AND 5

1970

ANOs 1-22/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
26 January 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10053/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

1—Australian Navy Orders

1. Navy Orders are printed orders and instructions having general application throughout the Navy. They are printed in three series, Australian Navy Orders (ANOs), In-Confidence Australian Navy Orders (ICANOs) and Confidential Australian Navy Orders (CANOs). The first two series take in matter up to RESTRICTED while the last are all CONFIDENTIAL.

2. Many of these orders are based on Defence Council Instructions in which case the relevant DCI number is shown in italics beneath the title of the Navy Order.

3. The orders are divided into sections by subject as follows:

Section *Title*

1—ADMINISTRATIVE AND GENERAL.
2—PERSONNEL.
3—OPERATIONAL AND TRAINING.
4—EQUIPMENT, STORES AND SERVICING.
5—BOOKS, CORRESPONDENCE, FORMS AND STATIONERY.
6—ESTABLISHMENTS.
7—CANCELLED LIST.

4. Navy Orders are not intended as a permanent book or reference and remain extant for three years before automatic cancellation unless they are otherwise cancelled. A disposal instruction is included in Navy Orders each month listing the orders no longer in force which may be disposed of.

5. So that packs of orders may be amended readily, any order referred to in the text of an order has its number printed at the end of that order.

6. Separate indexes are issued annually for Ordinary and Confidential series (ICANOs) being included in the Ordinary Index covering orders promulgated over the previous three years. Supplementary indexes for each series are compiled in June of each year listing orders promulgated in the previous six months.

7. The last Navy Order issued for 1969 was No 84.

8. Navy Order 1 of 1969 is hereby cancelled.

(CEO (GS) 47/8/7)

(*Navy Order 1 of 1969*)

UNCLASSIFIED

2—Commonwealth Savings Bank Agencies—Commission Payments—Taxation

1. Commencing with quarter ended 31 August 1969, Commonwealth Savings Bank Commission is paid directly by the Bank to each agent and such amounts paid will not be included in the figures for taxable earnings shown in Navy Taxation Group Certificates for 1969–70 and following years. Similarly, commission for quarter ended 31 May 1969 (which was credited in pay accounts and received by agents after 1 July 1969), will not be included as taxable earnings in Navy Taxation Group Certificates for 1969–70.

2. The provision of Article 300 of the Navy Accounts Manual (ABR 5018) will be amended in due course by the addition of the following:

'(5) A statement showing full details of commission earned is forwarded by the Bank to each agent with his commission cheque.

For the purposes of the Income Tax Assessment Act, Savings Bank commission falls within the definition of "Salary or Wages". The amount of commission earned by Naval agents is not included in the amount of taxable earnings shown in Navy Taxation Group Certificates.'

Existing Clause 300 (5) of ABR 5018 will be re-numbered 300 (6).

(DNA 207/51/61)

UNCLASSIFIED

3—EDP Operations

The Naval Board have decided that EDP operations in ships and establishments will be the responsibility of the Supply Officer and the maintenance of equipment that of the Weapons Electrical Officer.

(HPB 303/221/98)

Section 2

PERSONNEL

UNCLASSIFIED

4—Complements—May Be Any Branch Billets

1. The following information outlines Naval Board policy concerning 'any branch' billets for sailors.

2. There are many duties in shore establishments and some ships which can be undertaken by sailors of any branch, eg, Canteen Manager, Blocks PO, etc. Also certain duties require sailors of the Seaman Branch but can be undertaken by seamen of any category. To allow flexibility in posting and to offset shortages in some categories against surpluses in others these billets are shown in complements as 'May be any branch' (MAB) or as billets for seamen of a particular rank without any category specified.

3. The categories to which MAB billets are allocated are not static, varying from time to time as manpower planning and complementing changes occur.

4. Posting notes do not normally indicate which sailors are posted to fill 'May be any branch' billets particularly since the situation may well change between forecasts and actual posting due to such factors as promotion, DEE, hospitalisations, etc.

5. Navy Order 696 of 1966 is hereby cancelled.

(DMP 331/203/48)

(Navy Order 696 of 1966)

UNCLASSIFIED

5—Education Allowance—Members Serving in Australia

1. The maximum rates of Category 'A' and Category 'B' rates of Education Allowance payable per school year in accordance with NPI 122 have been increased to the amounts and with effect from the dates shown hereunder:

a. Category 'A'
from $1,115 to $1,205 from 1 January 1969;

b. Category 'B'
from $505 to $625 from 1 January 1969.

2. The increased rates of Education Allowance cannot be paid until Statutory Authority is obtained. Advice will be promulgated as soon as the necessary Statutory Authority has been obtained.

(HPB 252/10/2)

UNCLASSIFIED

6—Eligibility for Flying Pay

1. The following information is promulgated to update the conditions in NPI 24/1.

2. Officers of the Pilot and Observer subspecialisations, up to and including the rank of Captain, who might be required for flying billets and who keep in flying practice will be eligible for payment of flying pay.

3. In respect of Captains, the billets of Director of Naval Aviation Policy and the Commanding Officer, RANAS NOWRA, are regarded as flying billets.

4. Flying practice will be construed to mean flying currency within the following parameters:

a. All pilots are to be converted to a current RAN Aircraft type;

b. All Observers are to be familiarised in a current RAN Aircraft type;

c. A standard refresher course is to be undertaken each year by those Aircrew officers not currently employed on full flying duties as aircraft availability and posting requirements dictate. If for Service reasons an officer is unable to do the refresher course, he will not lose his flying pay.

5. The monthly return of conversions and refamiliarisations is to include Observers and Pilots who have completed refresher flying courses.

6. Flying Pay eligibility of Aircrew officers will be reviewed with each future posting giving at least four months notice of withdrawal of flying pay should the officer be considered ineligible.

7. NPI should be noted pending amendment.

(HPB 303/250/3)

UNCLASSIFIED

7—Uniform—Sailors—Introduction of No 7A and No 7B Dresses for CPOs and POs

1. New Dresses Nos 7A and 7B have been introduced in the RAN for wear by Chief Petty Officers and confirmed Petty Officers.

2. Dress No 7A is an informal tropical dress for wear as an optional alternative to Dress No 7, at the discretion of the senior officer, when the occasion does not demand full No 7's, but plain clothes are inappropriate. The Dress comprises:

Cap
Shirt, white, collar attached, with long sleeves and single cuffs
Badges, collar
Necktie, black, daywear, with thin plain chain, gilt or gold retainer
Trousers, drill, white, self-supporting
Socks, white
Shoes, white

3. Dress No 7B is a further optional alternative dress for wear in climates where blue self-supporting trousers, black socks and black shoes would be more appropriate than white.

4. Items required for wear with these Dresses which are not currently included in compulsory kits of CPOs and POs are:

Shirt, white, collar attached, with long sleeves and single cuffs
Collar badges (Petty Officers)
Tie retainer

5. On the conclusion of current trials, a drip-dry shirt, white, collar attached, with long sleeves and single cuffs, to replace shirts with separate collars, will be introduced in the RAN and Chief Petty Officers and confirmed Petty Officers will be expected to provide themselves with this type of shirt in the normal course of kit replacement. Meanwhile, however, it is recognised that commercial collar-attached shirts are being worn with uniform in lieu of shirts with separate collars and, until the Service pattern shirt is introduced, wearing of commercial shirts is to be accepted.

6. The plain gilt foul anchor (Catalogue No 67008) at present worn by Chief Petty Officers on the collar of tropical shirts with No 2A (schooner rig) and No 10 (tropical) Dresses is replaced by a gilt collar badge consisting of laurel leaves surrounding a foul anchor with crown above. For Petty Officers, a gilt collar badge with crossed foul anchors and a crown above, has been introduced.

7. The collar badges are to be positioned, crown upward, in the centre of the shirt collar, with the side of the badge approximately half an inch from the side edge of the collar points, ie, a line through the centre of the device would be at right angles to the top edge of the collar.

8. Chief Petty Officers will wear the new collar badge on tropical shirts in a similar manner to the badge currently being worn.

9. Rank and Branch badges are not to be worn on the sleeves of shirts by Petty Officers with Dresses Nos 7A and 7B.

10. Tie retainers of the type specified are readily available commercially and should be purchased privately, as required.

11. A gratuitous issue of one pair badges will be made to each serving Chief Petty Officer and confirmed Petty Officer whose engagement will not expire before 30 June 1970, or whose engagement will expire and who re-engages.

12. Collar badges, CPO, Catalogue No 67025 and PO Catalogue No 67026 are available on demand from the Superintending Victualling Store Officer, Royal Edward Victualling Yard. The issuing prices are $0.59 and $0.53 pair, respectively. HMA Ships and Establishments are to return stocks of collar badges, CPO, Catalogue No 67008, to the Victualling Yard.

13. Manual of Victualling Stores, ABR 93, Part 2, Section 2, Scale 9(A) will be amended.

(D of V 930/51/199)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

8—A Seamans Guide to The Rule of The Road

1. A programmed training booklet has been produced by the Bristol Tutor Group UK for the Royal Navy and Merchant Navy on the subject of the Regulations for Preventing Collision at Sea.

2. Personal issue on demand will be made to Leading Ranks of RAN and RANR Seamen categories on promotion and to Cadet Midshipmen and Supplementary List Midshipmen on initial courses.

3. An additional initial issue will be made on demand to all Seamen Leading Ranks and Petty Officers of the RAN and RANR, and to all Seamen officers of Lieutenants rank and below of the RAN and RANR.

(D of T 465/1/1285)

UNCLASSIFIED

9—Use of Aluminium Alloy Collapsible Paddle—20 Man Inflatable Liferaft Patt 5604

1. Trials have shown that 20 man liferafts can be propelled by paddling. In an emergency, a requirement may arise for liferafts to be propelled to collect survivors, or to gather after an incident for reasons of collective safety and simplification of search problems.

2. Aluminium alloy collapsible paddles are available for issue to all Patt 5604 Inflatable Liferafts, and will be fitted by refit authorities when liferafts are undergoing annual servicing.

3. Each liferaft shall be equipped with 2–No paddles, care being taken to ensure that all sharp edges shall be wrapped with vinyl tape. A canvas valise shall be provided for the paddles which shall be stowed between thwarts in the liferaft.

4. To propel the craft two paddles should be placed forward and personnel are to be instructed in liferaft propulsion when 'Leaving Ship Stations' are exercised and when liferaft instruction is given.

5. Sufficient paddles are held in stock for known requirements and have been allocated Catalogue Number 0472/257214—Collapsible Paddle for 20 Man Liferaft.

(ACDC 400/2/290)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

10—Ammunition—Cartridges Power—USA Cartridges Used in Skyhawk Aircraft—Cartridges Impulse Mark 2 MOD 1

The undermentioned Power Cartridge of USA manufacture is hereby introduced into Naval Service for use in Skyhawk Aircraft.

Item: Cartridge Impulse Mk 2 Mod 1.
FSN1377–293–8184–M190.

Description: The cartridge is electrically initiated and has an aluminium cup type case, in which the head and sides are integral.

The booster and main charge are each contained in a separate celluloid cup. The charged end of the cartridge is closed with a paper cover sealed with varnish. An aluminium shipping and handling cap is telescoped over the charged end of the case, and is sealed with adhesive aluminium foil or fibre tape. The aluminium cap is to be removed before installing the cartridge in the breech of the mechanism.

Dimensions of the Cartridge are:

Diameter of Head—1.150 inches.
Diameter of Case—1.053 inches.
Length with cap removed—1.188 inches.

Use: The Cartridge Impulse Mk 2 Mod 1 is used primarily for release and ejection of stores from an aircraft in flight. Aero 7A/1 Rack uses 2–No Mk 2 Mod 1 cartridges with loads weighing less than 124 lb. Aero 20A/1 Rack uses 2–No Mk 2 Mod 1 cartridges to release any load. TER-7 uses 3–No Mk 2 Mod 1 cartridges to release loads from the 3 stations.

Operation: When the cartridge is fired the resulting gas pressure operates the release/ejection mechanism to release and eject a store.

The operating temperature range of the cartridge is from −65° F to + 160° F.

Recommended firing current is 10 amperes at 20 volts.

Service Life: Service Life for the cartridge is established at five years, beginning from the date of manufacture stamped on the cartridge and on the hermetically sealed metal container, of which not more than one year shall have elapsed after opening of the hermetically sealed container.

Cartridges are overage if either of these time limits is exceeded.

When the hermetically sealed metal container is opened, the service life expiration date (month and year) shall be marked with indelible ink on the side of each cartridge.

Note: If packed in other than a hermetically sealed metal container, the total service life shall be two years from date of manufacture, of which not more than one year shall have elapsed after installation in the device of intended application.

Caution: Grease or oil shall not be applied to the cartridge.

Warning: Before installing the cartridge in the breech be sure that all circuits of the actuating system are open.

This cartridge shall not be resistance-checked either prior to or after installation in the device of intended application.

Classification: Group 6—Category X.

(DAS 727/58/182)

UNCLASSIFIED

11—Ammunition—Cartridges QF 40/60 Bofors—Restriction on Use of Cartridges Assembled with Cases of RLB 1955 Manufacture

(DCI (RN) 1468/69)

1. *Stores Concerned:* Cartridges QF 40/60 Bofors assembled with cartridge cases of RLB 1955 manufacture.

2. *Information:* Failures of 40/60 Bofors ammunition involving split cases have been encountered in service. This defect is attributable to season cracking and the presence of internal stresses in the cases.

3. *Safety Category:* BR 862, Article 1705, Category '(ff)'.

4. *Action:*

a. By HMA Ships, shore establishments and afloat support ships.

(1) Cartridges assembled with cases of RLB 1955 manufacture are not to be fired except in urgent operational circumstances.

(2) All affected cartridges held at present are to be returned to the nearest RAN Armament Depot at the first opportunity and replacements demanded in lieu.

b. By RAN Armament Depots.

(1) All present affected stocks and future receipts from service are not to be issued. They are to be set aside in store under Red Card, quoting this Instruction as the authority.

(2) Any empty cases of RLB 1955 manufacture held in store are to be similarly restricted.

(3) All stocks affected are to be declared to Navy Office.

(DAS 726/66/162)

UNCLASSIFIED

12—Ammunition—Pyrotechnics—Signal Distress Day and Night Mark 13 MOD 0—Phasing out of Service and Withdrawal of all Stocks Manufactured Prior to 1966

Purpose: To inform all concerned of the phasing out of service of SR365058 Signals Distress Day and Night Mk 13 Mod 0 in the RAN, and the withdrawal of all stocks manufactured prior to 1966.

Information: Reports have shown that an excessively high pull off force may be required to operate Signals Distress Day and Night Mk 13 Mod 0. This fault has been found to occur because of deterioration due to age: It is intended that no further procurement of Signals Distress Mk 13 Mod 0 will be arranged. Future procurement will be for the Signal Distress No 1 Mk 1 of UK origin, and this type of signal will gradually replace all signals of USA origin in service. A Navy Order providing details of Shelf and Installed Life, etc of the No 1 Mk 1 signal will be promulgated in due course.

Action: HMA Ships and Establishments—any Signals Distress Mk 13 Mod 0 held which were manufactured prior to 1966 are to be functioned and replacements demanded in lieu.

RANADS—Signals Distress Mk 13 Mod 0 are to be issued first to ensure that they are phased out of service as soon as possible. Any stock held which was manufactured prior to 1966 are to be reported for disposal.

(DAS 727/56/163)

UNCLASSIFIED

13—RAN Ships Operating with The Far East Fleet—Improved Logistic Support

Navy Order 784 of 1969 is to be amended as follows:

Paragraph 2 line 7

amend S1456 *to read* S145b.

(DSAP 400/51/296)

(*Navy Order 784 of 1969*)

UNCLASSIFIED

14—Stores General (Group Class 0581)—Electrical Lamp Fittings, Indicating and Fluorescent Fittings—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L59920	6220	00–885–8199	Screen, red
L59921	6210	00–854–8483	Screen, white
L59922	6210	00–858–4663	Screen, yellow
L59923	6210	00–930–6323	Screen, green
L59924	6210	00–975–8245	Screen, Split, red
L59925	6210	00–474–4989	Screen, Split, red-green
L59926	6210	00–986–3938	Screen, Split, amber-green

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/75/417)

UNCLASSIFIED

15—Stores General (Group Class 0585)—Ballasts, Lampholders and Starters—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L58610	6210	00–275–1968	Indicator unit
L58611	5930	00–751–9814	Indicator unit
L58612	6220	00–885–8198	Indicator unit
L58613	5930	00–731–5080	Indicator unit
L58614	6210	00–898–1824	Indicator unit
L58615	5930	00–446–5056	Indicator unit
L58616	5930	00–446–5057	Indicator unit
L58617	5930	00–446–2009	Indicator unit
L58608	6210	00–588–6165	Indicator unit
L58609	6210	00–798–4915	Indicator unit
L58607	6210	00–808–2311	Light, indicator

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/75/418)

UNCLASSIFIED

16—Stores General (Group Class 0632)—Resistors—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L59219	5985	00–957–1860	Attenuator
L59220	5985	00–993–1377	Attenuator
L59186	5905	00–835–9844	Resistor, fixed wire wound
L59190	5905	00–683–5991	Resistor, fixed wire wound

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/66/432)

UNCLASSIFIED

17—Stores General (Group Class 5910)—Capacitors—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L59018	5910	00–655–0625	Capacitor
L59019	5910	00–800–4027	Capacitor
L59021	5910	00–823–1552	Capacitor
00–L62837	5910	00–089–0997	Capacitor
00–L62817	5910	00–889–8773	Capacitor, fixed, mica dielectric
00–L59792	5910	00–668–8167	Capacitor, fixed, glass dielectric
66–L62822	5910	66–031–3497	Capacitor, fixed, ceramic dielectric
66–L62823	5910	66–012–7794	Capacitor, fixed, ceramic dielectric
66–L62824	5910	66–027–7246	Capacitor, fixed, ceramic dielectric
66–L62825	5910	66–031–3473	Capacitor, fixed, plastic dielectric
66–L62826	5910	66–031–3474	Capacitor, fixed, plastic dielectric
66–L62827	5910	66–031–3495	Capacitor, fixed, plastic dielectric
00–L62828	5910	00–879–3175	Capacitor, fixed, electrolytic
00–L62829	5910	00–964–7429	Capacitor, fixed, electrolytic
66–L62831	5910	66–021–9594	Capacitor, fixed, plastic dielectric
L58950	5910	66–016–3465	Capacitor, fixed, plastic dielectric
00–L62832	5910	00–828–9389	Bracket, capacitor
L59045	5910	66–017–9266	Capacitor, fixed, plastic dielectric
L59047	5910	66–021–9636	Capacitor, fixed, plastic dielectric
L59048	5910	66–021–9618	Capacitor, fixed, plastic dielectric
L59049	5910	66–017–9265	Capacitor, fixed, plastic dielectric
L59066	5910	66–015–1829	Capacitor, fixed, ceramic dielectric
L20097	5910	66–027–7890	Capacitor, fixed, ceramic dielectric
L18404	5910	66–016–8117	Capacitor, fixed, ceramic dielectric
L59069	5910	66–031–3334	Capacitor, fixed, ceramic dielectric
L18588	5910	66–017–7760	Capacitor, fixed, ceramic dielectric
L18651	5910	66–031–3355	Capacitor, fixed, ceramic dielectric
L18731	5910	66–031–3465	Capacitor, fixed, ceramic dielectric
L59070	5910	66–031–3372	Capacitor, fixed, ceramic dielectric
L20507	5910	66–018–2332	Capacitor, fixed, plastic dielectric
L20249	5910	66–018–1388	Capacitor, fixed, plastic dielectric
L59074	5910	66–031–3223	Capacitor, fixed, plastic dielectric
L20250	5910	66–017–2337	Capacitor, fixed, plastic dielectric
L59076	5910	66–031–3333	Capacitor, fixed, plastic dielectric
L20152	5910	66–031–3336	Capacitor, fixed, paper dielectric
L20366	5910	66–031–3349	Capacitor, fixed, paper dielectric
L19148	5910	66–024–4747	Capacitor, fixed, plastic dielectric
L59077	5910	66–031–3337	Capacitor, fixed, paper dielectric
L19274	5910	66–014–5647	Capacitor, fixed, paper dielectric
L19285	5910	66–016–8128	Capacitor, fixed, paper dielectric
L20245	5910	66–011–9169	Capacitor, fixed, paper dielectric
L18852	5910	66–014–5483	Capacitor, fixed, mica dielectric
L20137	5910	66–031–3348	Capacitor, fixed, ceramic dielectric

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L18818	5910	66–017–7886	Capacitor, fixed, ceramic dielectric
L59746	5910	00–853–1743	Capacitor
L59748	5910	00–815–0386	Capacitor
L59749	5910	00–702–5406	Capacitor
L59750	5910	00–716–3897	Capacitor
L59752	5910	00–031–0345	Capacitor
L20121	5910	66–023–1567	Capacitor, fixed, plastic dielectric
L20123	5910	66–021–2851	Capacitor, fixed, plastic dielectric
L20122	5910	66–021–9624	Capacitor, fixed, plastic dielectric
L19113	5910	66–021–9622	Capacitor, fixed, plastic dielectric
L20125	5910	66–021–9621	Capacitor, fixed, plastic dielectric
L20127	5910	66–016–3466	Capacitor, fixed, plastic dielectric
L19097	5910	66–021–9613	Capacitor, fixed, plastic dielectric
L19115	5910	66–021–2853	Capacitor, fixed, plastic dielectric
L19139	5910	66–021–2854	Capacitor, fixed, plastic dielectric
L19140	5910	66–021–9605	Capacitor, fixed, plastic dielectric
L19148	5910	66–024–4747	Capacitor, fixed, plastic dielectric
L59049	5910	66–017–9265	Capacitor, fixed, plastic dielectric
L59755	5910	66–020–7557	Capacitor, fixed, plastic dielectric
L59757	5910	00–989–8595	Capacitor
L59758	5910	00–828–9137	Capacitor
L59759	5910	00–811–7499	Capacitor
L59760	5910	00–892–7869	Capacitor
L59761	5910	00–855–1193	Capacitor
L59762	5910	00–849–8887	Capacitor
L59763	5910	00–813–8656	Capacitor
L59764	5910	00–850–0585	Capacitor
L20119	5910	66–016–3467	Capacitor, fixed, plastic dielectric
L19067	5910	66–016–8234	Capacitor, fixed, plastic dielectric
L19144	5910	66–021–9604	Capacitor, fixed, plastic dielectric
L59769	5910	00–834–8493	Capacitor
L19093	5910	66–021–9614	Capacitor, fixed, plastic dielectric
00–L62869	5910	00–082–4925	Capacitor
00–L62870	5910	00–958–3795	Capacitor
L62811	5910	00–917–3514	Capacitor
L62812	5910	00–087–9819	Capacitor
L62813	5910	00–087–1040	Capacitor
L62814	5910	00–883–8113	Capacitor
L62815	5910	00–882–6697	Capacitor
66–L59772	5910	66–032–6300	Capacitor, fixed, plastic dielectric
66–L59773	5910	66–032–6301	Capacitor, fixed, plastic dielectric
66–L59774	5910	66–032–6302	Capacitor, fixed, plastic dielectric
66–L59775	5910	66–032–6303	Capacitor, fixed, plastic dielectric
66–L59776	5910	66–032–6304	Capacitor, fixed, plastic dielectric
66–L19067	5910	66–016–8234	Capacitor, fixed, plastic dielectric
66–L19097	5910	66–021–9613	Capacitor, fixed, plastic dielectric
66–L19104	5910	66–021–2852	Capacitor, fixed, plastic dielectric
66–L19113	5910	66–021–9622	Capacitor, fixed, plastic dielectric
66–L19115	5910	66–021–2853	Capacitor, fixed, plastic dielectric
66–L19139	5910	66–021–2854	Capacitor, fixed, plastic dielectric

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number	Description
66–L19140	5910	66–021–9605	Capacitor, fixed, plastic dielectric
66–L19144	5910	66–021–9604	Capacitor, fixed, plastic dielectric
66–L19148	5910	66–024–4747	Capacitor, fixed, plastic dielectric
66–L20119	5910	66–016–3467	Capacitor, fixed, plastic dielectric
66–L20121	5910	66–021–9624	Capacitor, fixed, plastic dielectric
66–L20122	5910	66–021–1567	Capacitor, fixed, plastic dielectric
66–L20123	5910	66–021–2851	Capacitor, fixed, plastic dielectric
66–L20125	5910	66–021–9621	Capacitor, fixed, plastic dielectric
66–L59049	5910	66–017–9265	Capacitor, fixed, plastic dielectric
00–L59746	5910	00–853–1743	Capacitor, fixed, electrolytic
00–L59749	5910	00–702–5406	Capacitor, fixed, electrolytic
00–L59750	5910	00–716–3897	Capacitor, fixed, electrolytic
00–L59752	5910	00–031–0345	Capacitor, fixed, electrolytic
66–L59755	5910	66–020–7557	Capacitor, fixed, electrolytic
00–L59757	5910	00–989–8595	Capacitor, fixed, electrolytic
00–L59758	5910	00–828–9137	Capacitor, fixed, electrolytic
00–L59759	5910	00–811–7499	Capacitor, fixed, electrolytic
00–L59760	5910	00–892–7869	Capacitor, fixed, electrolytic
00–L59762	5910	00–849–8887	Capacitor, fixed, electrolytic
00–L59763	5910	00–813–8656	Capacitor, fixed, electrolytic
00–L59764	5910	00–850–0585	Capacitor, fixed, electrolytic
00–L62865	5910	00–904–5642	Capacitor, fixed, electrolytic
00–L62866	5910	00–722–3173	Capacitor, fixed, electrolytic
00–L62867	5910	00–344–4431	Capacitor, fixed, electrolytic
66–L59753	5910	66–031–3460	Capacitor, fixed, plastic dielectric
66–L59754	5910	66–031–3461	Capacitor, fixed, plastic dielectric
66–L62880	5910	66–031–3476	Capacitor, fixed, plastic dielectric

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/65/416)

UNCLASSIFIED

18—Stores General (Group Class 5945)—Relays, Contactors and Solenoids—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number	Description
00–L63520	5945	00–804–3606	Relay, armature
00–L63521	5945	00–856–4089	Relay, armature

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/72/181)

UNCLASSIFIED

19—Stores General (Group Class 5961)—Semiconductor Devices and Associated Hardware—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number	Description
00–L58731	5961	00–059–2904	Semiconductor device, diode
00–L58746	5961	00–067–8121	Transistor
00–L62721	5961	00–104–8378	Transistor
00–L62722	5961	00–997–1274	Transistor

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/54/387)

UNCLASSIFIED

20—Stores General (Group Class 5990)—Synchros and Resolvers—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number	Description
L56845	5990	00–677–6458	Synchro
L62001	5990	00–677–6470	Synchro

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/68/82)

UNCLASSIFIED

21—Stores General (Group Class 6240)—Electric Lamps—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
00–L58568	6240	00–295–1617	Lamp, incandescent
00–L58571	6210	66–031–3458	Light, indicator
00–L58572	6210	66–031–3459	Light, indicator

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/75/140)

UNCLASSIFIED

22—Stores General (Group Class 6250)—Ballasts, Lampholders and Starters—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L58623	6250	66–016–1753	Lamp holder
00–L58621	6210	00–786–8419	Light, indicator

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 10 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/75/141)

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HISTORIAN

ANOs 23-34/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
2 February 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10254/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

23—Commissioning

The following commissioning has been effected:

HMAS ONSLOW .. .. 22 December 1969

(AS (NS) 1218/58/20)

UNCLASSIFIED

24—Disclosure of Official Information

1. A case has recently occurred where a commercial firm quoted in correspondence to the Department, detailed information taken from an evaluation report on equipments which included one in which the particular firm was interested.

2. Although the report concerned did not bear a security classification the information it contained was for official use only, and its disclosure without authority was a contravention of RI 2402.

3. Disclosure of this type of information, particularly when the products of different firms are competing, could cause embarrassment to the Department, and care is to be taken to ensure that RI 2402 is observed.

(AS (NS) 465/7/19)

UNCLASSIFIED

25—Naval Agent—Rabaul

1. Mr B. F. Darcey has been appointed Naval Agent, Rabaul. The following particulars are relevant:

a.	Business address	PO Box 584, Mango Avenue, RABAUL, TPNG.
b.	Private address	Tunnell Hill, RABAUL, TPNG.
c.	Business telephone ..	RABAUL 2876.
d.	Private telephone ..	RABAUL 2876.
e.	Address to which telegrams should be sent	'DARCEY' RABAUL.

2. Mr Darcey a Company Director, is currently the Chairman of the Rabaul Town Advisory Council.

3. Requests for services at Rabaul should include NOIC Papua New Guinea as an information addressee, and should be made by letter if time permits.

(AS (NS) 2/204/54)

UNCLASSIFIED

26—Transfer of Supply Division Records to EDP (NAVSTOCK)

1. The accounts for all General Naval Stores and Victualling Stores except fresh provisions are now 'on EDP'. The conversion of Naval Stores (Electrical) will commence early in 1970 and of Air Stores later in 1970.

2. It is planned to issue appropriate sections of ABR 5074—RAN Catalogue of Stores—before each group class is converted and further details of this aspect will be included in a separate Navy Order to be promulgated in connection with cataloguing policy in the near future.

3. Demands for radio stores which are currently made on the Electrical Store, Woolloomooloo, will, after conversion to EDP be made on the Radio Store, Leichhardt, Management Code 0337. Details of Group Classes affected will be promulgated at the time of conversion.

4. Before each batch of stores is converted to EDP a signal will be originated by ACNB and addressed to All Ships, All Shore referencing this Navy Order and stating:

a. the Group Classes involved in this particular conversion

b. the Management Code, ie, the holding Store Depot

c. Start Date;

d. Conversion Date.

The interpretation of these signals is set out in Paragraph 5.

5. The Start and Conversion Dates mark the beginning and end of the conversion of accounts to EDP which will normally occupy about a week. Demands for items in the named Group Classes held by the nominated Store Depot are to be made on the following forms:

a. Demands lodged with the nominated Store Depot between 'Start Date' and the 'Conversion Date':

(1) Form SX12—By HMA ships and establishments.

(2) Form SX16—By dockyards and civil establishments.

b. Normal Demands submitted after 'Conversion Date':

(1) Forms SX13 or SX15—By HMA ships and establishments.

(2) Forms SX17 or SX19—By dockyards and civil establishments.

c. Urgent demands can be forwarded after 'Conversion Date' direct to the Store Depot made out on Form SX12 or SX16 as applicable. It is essential that this course of action be limited to requirements of such urgency that the time lag in EDP processing is not acceptable, vide ABR 5063, Vol 3, Article 5001.

6. Navy Orders will be issued at intervals of approximately six months setting out the state of the conversion. Authorities concerned should maintain their own records from the conversion signals referred to in Paragraph 4 to cover the intervals between Navy Orders.

(AS (EDP) 178/1/170)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

27—Sailors Course Programme 1970

1. The alterations and additions shown in Annexes A and B to this order are promulgated as an amendment to Navy Order 745 of 1969.

2. It will be noted that no 'As Required' courses which already appear in ABR 27 Vol 3 are included in Navy Order 745 of 1969.

Annex A—Additions

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
Seamen ..	903290	ASAC	WATSON ..	15	E	27.4.70	15.5.70	4–6
WRANS ..	907330	NCS Plotting ..	WATSON ..	*Note* 11	—	18.5.70	24.7.70	3–12
WRANS ..	907750	WRWTRST ..	Part A— CERBERUS	15	—	23.2.70 20.4.70	10.4.70 5.6.70	As required
			Part B—BUSINESS COLLEGE	20		28.9.70	13.11.70	
Naval Airmen	915730	NAPHOT ..	ALBATROSS .. PENGUIN ..	85 (5 NBCD)	—	10.8.70	7.12.70	2–4 *Note* 1
Career & PCT	954000	KW26C	HARMAN ..	60	D	23.2.70 3.8.70	22.5.70 23.10.70	4–8
WRANS ..	937760	WRSBA Sect 2 Pt 2	CERBERUS ..	60	—	16.3.70 27.7.70	10.6.70 16.10.70	3–20

Note 11—This course consists of six evening sessions spread over a six week period.

Annex B—Deletions

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
—	902340	PO Leadership ..	CERBERUS ..	30	D	16.2.70	27.3.70	
Naval Airmen	915930	PO A PHOT ..	ALBATROSS .. PENGUIN ..	75 (10 NBCD)	D	3.8.70	16.11.70	2–4 *Note* 1
WRANS ..	937760	WRSBA Sect 2 Pt 2	CERBERUS ..	60	—	27.7.70	4.9.70	3–20

(D of T 311/1/57)

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

28—Emergency Air Supply Equipment (EASE)

1. The Emergency Air Supply Equipment (EASE) has been introduced to be used in conjunction with the Surface Supply Breathing Apparatus. The EASE is a small, light weight cylinder carried on the divers back charged to 3,000 PSI air pressure, which will supply the diver should the air supply fail.

2. The EASE is to be used on all occasions when diving with SSBA equipment. The set has also been adapted for use by SAR Divers. Sets will be issued without demand to ships and authorities on the basis of one EASE for every SSBA. Issue will be made in order of priority and it is expected to be completed by mid 1970.

3. The equipment consists of:

Stock No		
Group Class	*Catalogue No*	*Description*
4220-66-034-3213		Harness, diving equipment; Bac-pac
4220-66-034-3214		Cylinder, compressed gas; 4 litre, aluminium, 3,000 PSI
4220-66-034-3215		Hose, low pressure non-return valve system
4220-66-034-3216		Hose, demand valve; complete with non-return valve
4220-66-035-0084		Reducing valve
0434-L90070		Demand valve

The total weight of the equipment is approximately 20 lb.

4. Demand valves will not be issued as they are already held. On receipt of the equipment, the demand valve hoses already held should be returned to store to enable them to be modified with non-return valves. A pressure gauge and charging connection will be issued to each authority.

Description of Components

5. a. *Bac Pac Harness*

This is a nylon-alloy contoured bac pac. The cylinder is securely attached by a stainless steel jubilee clip. The bac pac is secured to the wearer by a single adjustment terylene harness fitted with quick release buckles. An adjustable crupper strap is also provided to prevent any tendency for the harness to 'ride up' should any excessive strain be put on the air hose.

b. *Cylinder, Aluminium*

The cylinder is of aluminium alloy, and is 16.25 inches long and 5.9 inches in diameter. A control valve is incorporated into the cylinder and allowance is made to fit a reducer with a yoke fitting. Details of cylinder pressures and capacities as follows:

Test pressure	4,500 PSI
Working pressure (maximum)	3,000 PSI
Weight uncharged	18 lb
Nominal capacity	4 litres
Capacity at working pressure	28 cubic feet

c. *Reducing Valve*

The reducer is the porpoise 'Explorer' piston type reducing valve and is fitted to the cylinder with a yoke attachment. It is factory set to operate at a delivery pressure of approximately 100 PSI above the ambient water pressure. The operation and maintenance details of this reducer are given as Annexes A and B to this order.

d. *Reducer Low Pressure Hose Complete with Non-return Valve System*

The reducer low pressure hose connects the SSBA hose to the reducer. It has a bayonet connection at one end which connects it to the SSBA snap-release coupling. The non-return valve system on the other end has a knurled nut which is connected to the reducer outlet and a snap release coupling to which the demand valve hose is connected. (*See* Figure 1.)

Assembly

6. a. Fit the cylinder with the valve downwards and adjust for height, checking the cylinder control valve is readily accessible to the diver.

b. Gauge the cylinder pressure. As this equipment is a safety device, the pressure should always be in excess of 2,500 PSI.

c. Attach the reducing valve with the low pressure take off facing upwards. Do not overtighten the reducing valve yoke seal as this is an 'O' ring seal and overtightening can damage the seal.

d. Fit the non-return valve system and tighten the knurled nut finger tight.

e. Thread the demand valve hose through the right hand side of the bac pac and connect the male fitting to the snap release coupling on the non-return valve system.

f. Place the equipment on and secure the crupper strap by passing the waist belt through the adjustable loop of the strap. Adjust the crupper strap. Ensure the loop is over the buckle to enable it to be slipped quickly.

g. Lead the reducer low pressure hose under the right arm and connect to the SSBA snap release coupling on the right shoulder. (*See* Figures 2, 3, 4 and 5.)

Before Use Test

7. a. Turn on the cylinder valve, place the demand valve in the mouth and inhale a few times to check the air supply from the cylinder.

b. Turn off the cylinder valve and turn on the surface air supply. Inhale again to check the supply.

c. The equipment is now ready for use as an emergency air supply equipment. On entering the water the diver should be checked for leaks.

8. Other tests are as for CABA given in ABR 155 Article 0902. Details of the reducer are contained in Annexes A and B to this order.

Operation

9. a. In the event of a failure of the surface supply air, the diver should immediately turn on the cylinder control valve and ascend as convenient giving the appropriate lifeline signal.

b. The surface supply low pressure air passes through the reducer low pressure hose via the non-return valve (NRV) system through the demand valve hose to the diver. The lower NRV prevents the air pressure reaching the reducer. If the surface supply fails, the upper non-return valve in the NRV system prevents air escaping up the reducer low pressure hose. When the cylinder control valve is operated, air passes via the reducer through the lower non-return valve to the demand valve hose and hence to the diver. The non-return valve is fitted to the end of the demand valve hose to prevent escape of air in the event of the hose being released accidently. Without the NRV serious lung damage could occur. (*See* Figure 6.)

Endurance

10. The two curves shown in Figure 7 give the appropriate endurances to be expected from the equipment at various depths for a diver carrying out light work using a normal average of 18 litres of air per minute, and for a diver swimming using a normal average of 40 litres per minute. It is emphasised these are average consumption rates and actual endurances may vary depending on the divers experience and fitness and the work being undertaken. The endurances shown assume the set is fully charged to 3,000 PSI and are given as a guide only.

Notes:

(1) The equipment can work automatically by leaving the cylinder control valve on. Any break down in the surface air supply pressure will then automatically allow the emergency supply air to take over and continue supplying the diver until the surface air pressure is again raised to 110 PSI above the ambient pressure.

THIS IS ENTIRELY DEPENDANT ON THE SURFACE ATTENDANTS CONTROL OF THE PRESSURE AND SHOULD NOT BE USED AS THE DIVER DOES NOT KNOW WHEN HE IS USING HIS EMERGENCY CYLINDER.

(2) It is possible for the diver to detach himself from the surface supply air hose and use the EASE for free diving. THIS IS NOT TO BE DONE.

ANNEX A

Description of Operation of the Explorer Reducing Valve

General

1. The reducing valve is a single stage hydrostatically compensated valve which breaks down the high pressure from the cylinder to the required working pressure of 105 PSI ± 15 PSI.

2. An 'O' ring sealed, hollow stem piston, fitted with a valve seat in the end of the stem, is held in the 'Valve open' position by a compression spring fitted over the stem and bearing on the piston.

3. The spring chamber and the spring side of the piston head are open to water pressure admitted through a series of holes in the reducer bonnet, allowing hydrostatic compensation for depth.

Operation (*See* Figure 8)

4. On opening the cylinder valve, high pressure air passes through the sintered filter 15, the reserve supply disc (restrictor) 13, and through the low pressure take off connection 21, to the demand valve. At the same time, the air passes up the hollow stem of the piston, through an orifice in the piston head into the low pressure chamber formed by the piston in the bonnet.

ANNEX A—*continued*

5. When the incoming air reaches the present pressure 105 PSI ± 15 PSI, governed by the spring tension together with any additional ambient water pressure, the force generated by the air between the face of the piston and the bonnet chamber, overcomes the spring tension/water pressure, and causes the piston to move forward to close the valve seat 5, thus stopping any further high pressure flow.

6. When the demand valve is operated the air under pressure in the low pressure chamber is used, thus lowering the chamber pressure sufficiently for the spring tension/water pressure to move the piston back, with the resultant opening of the stem valve seat, so admitting a reflow of high pressure air.

7. When the incoming high pressure air again reaches the preset pressure of the spring/water, the piston is again moved forward to stop the high pressure air flow.

8. The movement of the piston opening and closing the high pressure valve seat in the stem occurs at such a rapid rate that it induces what is virtually a continuous flow of low pressure air at the required rate.

Safety

9. A spring loaded safety relief valve is fitted to the low pressure chamber of the reducer body, which in the event of any high pressure failure will automatically exhaust the excess air into the water.

10. The relief valve is designed as a 'one shot only' so that in the event of a spasmodic or intermittent failure of the high pressure system, the valve does not completely reseal, thereby insuring that the reducer is not used again before it is stripped and the fault rectified.

ANNEX B

Instructions for the Maintenance and Adjustment of the Porpoise Explorer Reducing Valve

After Diving

1. Wash thoroughly in fresh water and dry. If the reducing valve and associated air hoses and non-return valve system are removed from the cylinder for washing, then make sure that the Protection Cap 20, is fitted before immersion.

Monthly

2. Test and adjust. Attach the reducing valve to a fully charged cylinder, then connect the Low Pressure Take off 21, to the 0-200 PSI, Test Gauge. Before the cylinder is turned on, first open the bleed screw on the gauge. After flow begins, close bleed screw off slowly. Check that the pressure lies within the red sector of the test gauge (105 PSI ± 15 PSI). Allow the pressure to stand for approximately 10 minutes, should the gauge needle fluctuate outside the red sector within this period then the valve should be stripped and the seat replaced.

3. Adjustment to line pressure is made by inserting a spacer washer between the Reducer Body 7, and Spring 6. Each washer will add approximately 10 PSI.

4. Immerse the reducer in fresh water while still under pressure and check for leakage.

ANNEX B—*continued*

Annually or on Malfunction. Disassembly Procedure

5. Firmly grip the Bonnet 1 and screw off the reducer body. Remove the Piston 3, by hand. From piston remove the 'O' Ring Seals 2 and 4.

Note: Normally, it is not necessary to remove Seat 5, however, if required, push out the seat with a $\frac{1}{16}$ inch diameter rod 2 inches or 3 inches long, placed through the back end of the piston.

6. Unscrew the Yoke Screw 19, from Yoke 17, untie the Protection Cap 20 from the yoke. Remove 'O' ring with small hooked tool.

7. Unscrew the Yoke Locknut 18, from Body 7. Remove the Surclip 16, from the body with ring pliers, also remove Filter 15 and 'O' Ring 14.

8. Unscrew High Pressure Plug 9, and remove 'O' Ring 8. Unscrew Low Pressure Take off 21 and remove 'O' ring.

9. Unscrew Safety Relief Lockscrew 12, withdraw Safety Relief Spring 11, and Safety Relief Piston 10.

Inspection and Repair Procedure

10. Replace all 'O' rings. Valve Seat 5, this seat is reversible, check both ends for deep embedding, nicks, wear, etc. If one end is good, place it on one side next to the piston, for reassembly.

11. Check the valve seat in the body for any nicks or dents. Replace if necessary.

12. Check the Filter 15, for excessive foreign matter, dirt or verdigris. Replace if necessary. Replace safety relief piston seat. Check the aperture of the Reserve Supply Disc 13 is clear.

Cleaning Procedure

13. Clean all plastic and rubber parts ('O' rings and valve seat) and filter in warm soapy water, rinse thoroughly, and dry. Apply a very thin coat of silicone grease to all surfaces except the filter. Wipe with a clean cloth to remove excess silicone or loose dirt. All metal parts (with plastic and rubber parts first removed) should be washed in trichlorethylene or spirit rinsed thoroughly in fresh water and dried with an air hose or cloth.

Note: Should additional cleaning be necessary due to extra thick foreign matter or verdigris, then a fine wire brush or equivalent may be used with care.

Assembly Procedure

14. Place 'O' Ring 14, in Body 7, insert Filter 15, with ring pliers compress Surclip 16, ends together and push complete assembly down with the thumb. Fit Yoke Locknut 18, into Yoke 17, and screw onto Body 7. Tie on Yoke Protection Cap 20 after adding 'O' ring. Place large end of Piston 3 on bench. Align Seat 5 (good side up) on top of the small end of the piston. Press in the seat to the bottom of the recess in the piston stem.

15. Place 'O' Rings 2 and 4 on piston. Place Spring 6, into the body and insert the piston in place. Screw on Bonnet 1 securely. Fit Safety Relief Piston 10 to Spring 11, insert into body and screw in Safety Relief Lockscrew 12, two full turns after mating with the spring.

Note: Overtightening of the lockscrew will at this stage damage the piston seat.

ANNEX B—*continued*

Adjustment Procedure

16. Connect the assembled reducer to a fully charged cylinder, immerse in fresh water and adjust the safety valve by slowly unscrewing the lockscrew until single bubbles of escaping air keep slowly forming at the end of the hollow lockscrew. Tighten lockscrew ¼ turn to stop bleed of air. After adjustment of the safety relief valve, carry out the test and adjustment routine as for monthly maintenance.

(DUW 512/74/367)

RESTRICTED

29—Equipment—Removal of Equipment from Ships in Commission to Make Good Defects in Other Ships in Commission

1. Instances occur whereby, for good reasons, equipment requires to be removed from ships undergoing refit to make good defects in operational ships.

2. Whilst such measures should only be resorted to when all other solutions are impracticable, when this is necessary the following procedure is to be adhered to:

a. Ships or Dockyard requiring items of equipment is to raise demand on relevant stores authority.

b. If unable to satisfy demand, and removal of equipment from another ship is the only possible source of supply, FOCAF approval is to be requested by FOICEA, copy to ACNB and authorities concerned.

c. On receipt of approval by FOCAF, supplying ship is to raise return and demand notes and URDEF/REDEF for installation, test, tune and set to work of eventual replacement, as necessary. Relevant stores authority will then requisition Dockyard to remove the equipment.

d. When equipment has been supplied to the demanding ship, normal INDEF/URDEF action is to be taken for any dockyard assistance necessary to remove defective item, install replacement, test, tune and set to work.

e. Stores and Dockyard authorities are then to take action to repair originally defective equipment for re-installation in supplying ship.

f. Dockyard installs, tests, tunes and sets to work repaired item in supplying ship with least possible delay.

3. In cases where removal of equipment from ships out of commission is necessary, Naval Board approval is to be sought.

4. The above procedure will be incorporated in ABR 4.

(DWE 1211/52/207)

UNCLASSIFIED

30—Introduction of Ice Making Machines for Use on HMA Ships

1. Successful evaluation trials of the Ellis and Judges 'Ice-O-Tube' ice making machine have concluded. Subject to minor technical modifications as detailed in Navy Office Specifications SP821 (Hull) and 1221 (Electrical), these units are approved for general introduction in HMA ships.

2. The scale of allowances for ice making machines which are provided to meet the requirements for medical, bakery, galley and cool drink purposes is laid down in Navy Order 212 of 1968.

(ACDC 1112/251/10)

(*Navy Order 212 of 1968*)

UNCLASSIFIED

31—Numbering of Storerooms in HMA Ships

Navy Order 18 of 1969 is to be amended as follows:

Paragraph 2, Line 4 and following.

1. *Delete*—'This system is to apply to all storerooms, refrigeration compartments, rack stowages for stocks held outside storerooms (eg, boltstave racks), irrespective of who controls them.'

2. *and insert*—'This system is to apply only to those storerooms from which accountable stores are issued, plus those areas which contain stores which, by reason of their properties, etc, are kept in custody of Departmental Officers although still accounted for by the Supply Officer. (ABR 4—Chapter 15 refers in this latter regard).'

New Paragraph 3.

3. In ships in which Machinery Spares have been/or are to be transferred to the Supply Officer, and in the case of new construction ships commissioned with Spare Gear under the control of the Supply Officer (Navy Order 172 of 1968 refers), the storerooms so affected are to be reidentified to reflect the changed departmental responsibility, eg, Weapons Radio Store—Electrical—as Naval Storeroom—B. All other areas are to retain their existing storeroom nomenclature and be supplemented by the new numbering system, eg, Cool Room—Storeroom AA.

4. Renumber existing Paragraphs 3, 4, 5, 6 and 7, as 4, 5, 6, 7 and 8 respectively.

(DSAP 400/251/115)

(*Navy Orders 172 of 1968 and 18 of 1969*)

UNCLASSIFIED

32—Stores General (Group Class 0556)—Fire Control Equipment, Etc—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L56866	0556	100-3342	Control transformer
L56850	0556	972-7594	Control transformer
L56879	5990	00-677-6458	Synchro
L56843	5990	00-819-9949	Control transmitter
L56845	5990	00-677-6458	Control transformer
L56847	5990	00-950-6889	Control receiver
L43000	0556	900-3077	Synchro resolver

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 17 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/68/128)

UNCLASSIFIED

33—Stores General (Group Class 0621)—Electronic Valves, Transistors and Cathode Ray Tubes—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L62642	5961	00-811-3805	Semiconductor device, diode

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 17 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/54/513)

UNCLASSIFIED

34—Stores General (Group Class 0634)—Relays, Contactors, Solenoids, Filters, Networks and Labels—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

	New Stock Number		
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L59280	5945	00-714-3380	Relay

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 17 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/72/267)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANOs 35-46/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
19 February 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10474/70

CONTENTS

Section 1
ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

35—Cancellation of Navy Orders

The following Navy Orders, having been incorporated in RI (ABR 5016) by amendment Nos 18, 19 and 20, are hereby cancelled:

Navy Order Cancelled	*Superseded by RI Article*
1967	
14/1967	Appendix 5A
178/1967	Chapter 10
257/1967	Chapter 10
281/1967	6261
493/1967	Appendix 26B
498/1967	Chapter 10
525/1967	1232
1968	
273/1968	1601 (4) 1602 (2)
337/1968	1702
468/1968	Appendix 29A
489/1968	1734
595/1968	2986 (1)
606/1968	3507
735/1968	Chapter 10
808/1968	5605 (1)
811/1968	Chapter 10
1969	
44/1969	Chapter 10
240/1969	4943
305/1969	Chapter 10

(CEO (GS) 465/7/4)

UNCLASSIFIED

36—Dispatch of EDP Material to Navy Office

1. Many cases are occurring of EDP forms being dispatched to Navy Office in separate envelopes and on the same day as other mail dispatched to Navy Office. A recent example is that of an HMA ship using a 14 inch x 9 inch envelope with postage cost of 40 cents to dispatch three flimsy forms.

2. This practice is costly both in postage and envelopes.

3. So far as is possible EDP forms should be enveloped together with other mail intended for Navy Office. Central Registry will distribute the mail when received.

4. Form CG160 was expressly designed to expedite the dispatch of EDP material to the Navy EDP Centre, Navy Office Canberra and it is to be used for this purpose. Supplies

are obtainable direct from SVSO. Form CG160 has a gummed back; however, it should be stapled only to EDP forms. Where bulk warrants separate enveloping, form CG160 should be glued to the envelope.

5. For EDP forms intended for other Navy Office directorates, address slips, when necessary, should again be stapled on to the form.

(AS (EDP) 68/1/46)

UNCLASSIFIED

37—Reserves—Reserve Training Establishments—Organisation

1. The detailed internal organisation of each Reserve Training Establishment is the responsibility of the Captain of that establishment. It may vary slightly depending on numbers borne, facilities available and local requirements.

2. The following policy instructions are issued so that the general pattern will be the same in each Reserve Training Establishment and so that the training objectives on which the organisation is based may be met.

Definitions

3. a. The Captain is the officer posted by the Naval Board to command the Reserve Training Establishment.

b. The Staff Officer (Reserve Training) is the officer selected by the Captain to co-ordinate Reserve training.

c. The Commanding Officer (Reserves)—Short Title CO(R), is the Reserve Officer posted by the Naval Board as such.

d. The RANR Heads of Departments, RANR Executive Officer, RANR Captains Secretary, etc, are the officers detailed by the CO(R) to carry out the duty specified within the Reserves organisation.

Outline Organisation

4. The RANR component of the Reserve Training Establishment is to be considered as a self-contained ship within the overall organisation of the establishment.

5. This self-contained ship is commanded by the Commanding Officer (Reserves). He is to issue such orders as are necessary and is responsible to the Captain for the internal administration of the RANR.

6. The Staff Officer (Reserve Training) is to co-operate closely with the CO(R) in the administration of the Reserves. He is to keep the official records, deal with correspondence and in all Reserve matters provide the continuity which is required during normal working hours.

Correspondence and Signals

7. All correspondence and signals to and from the Reserve Training Establishment are to be in the name of the Captain except in HMAS WATSON where the Staff Officer (Reserves) to FOICEA has this delegated responsibility. In other RTEs the Captain may delegate responsibility to other officers to originate signals and deal with correspondence in accordance with normal Service practice.

(DRNP 2/4/88)

Section 2

PERSONNEL

UNCLASSIFIED

38—Conditions of Entry and Service—Direct Entry Legal Officers

1. The requirement exists for the recruitment of direct entry legal officers to fill vacant complement billets in the Naval Legal Service.

2. Current conditions of entry and service are laid down in this Navy Order and will be incorporated in RI in due course.

Conditions of Entry

General

3. A candidate for entry must:

a. be not more than 30 years of age—in special circumstances applicants over the age of 30 years may be accepted;

b. be an Australian citizen or British subject ordinarily resident in Australia;

c. pass the prescribed medical examination;

d. be recommended by the Dean or other responsible person of his Law School.

Professional Qualifications

4. An applicant must be a barrister or solicitor or barrister and solicitor of the High Court of Australia or of the Supreme Court of a State or Territory of Australia.

Conditions of Service

Period of Service

5. Successful applicants will be entered for four years on a short service commission. They will serve on the Supplementary List Legal Specialisation (SLJA). After their initial training they will be employed exclusively in legal billets.

Rank on Entry

6. Direct entry legal officers will be entered in the rank of Probationary Lieutenant and will be eligible for confirmation at the end of their first year of service. Commanding Officers are to submit Forms PP101 (AS206) on legal officers under their command during the tenth month of the officers naval service and containing a recommendation as to the officers confirmation in rank.

Pay Seniority

7. Pay seniority may be granted on entry in recognition of professional experience after graduation as follows:

Years of post-graduate Experience	*Pay Seniority*
less than 2	Lieutenant after 2 years
2–4	Lieutenant after 3 years
4–6	Lieutenant after 4 years
6–8	Lieutenant after 5 years
over 8	Lieutenant after 6 years

Extensions and Transfers

8. At the end of his four year short service commission the legal officer may volunteer to extend his period of service by two or four years while remaining on the Supplementary List. Six months before the expiration of his period of service he is required to indicate whether, and if so for how long, he desires an extension. Should the services of an officer who desires to continue beyond the period of his original appointment not be required he will normally receive three months notice to that effect.

9. At any time during his service the Supplementary List legal officer may volunteer to transfer to the General List, Supply and Secretariat Specialisation. Selected volunteers will be given the opportunity to obtain a Certificate of Competence and to qualify professionally for promotion to Lieutenant-Commander (GLSU). A legal officer who accepts a Permanent Commission on the General List will be required to serve under the normal conditions of service applying to the General List of Officers. Depending upon his age and experience on entry it may be necessary to adjust his seniority so that neither he nor his GL counterparts are at a disadvantage in comparison with each other.

Retirement Benefits

10. Officers are required to contribute to the DFRB Fund. On discharge on completion of their short service commissions officers will be eligible for a refund of contributions plus a gratuity of $100 for each completed year of service provided they transfer to the Emergency List. An officer who retires on or after reaching the retiring age prescribed for his rank will, provided he has completed the maximum of 20 years service be eligible to receive a pension on retirement. A reduced rate of pension is payable on retirement on reaching retiring age provided 15 years service for pension has been completed.

Promotion

11. Legal officers will be promoted to Lieutenant-Commander after five years service or age 31½ whichever is the later. Thereafter promotion to Commander will be by selection.

Training

12. Successful applicants will be entered and kitted up at HMAS CERBERUS. They will undergo initial training there of approximately four months duration before taking up their legal posts.

(DNLS 307/3/169)

UNCLASSIFIED

39—Promotion of Officers

1. It has been represented that officers are experiencing difficulty in maintaining an authentic personal record of their careers now that they are no longer being reposted on promotion and advised of this fact on form PH201.

2. Accordingly, approval has been given for an additional copy of the print out of an officers service record produced at the time of promotion to be forwarded direct to the officer for his retention. This will continue for a trial period of 12 months.

3. The need for such a scheme will be reviewed at the end of that period.

(HPB 333/4/139)

UNCLASSIFIED

40—Survey Party Allowance

1. Navy Order 734 of 1969 is amended as follows:

Delete Paragraphs 2b. and 6 (line 2) the words and figures fifty two cents (52c) per day and *insert* the amount of ninety two cents (92c) per day.

2. The increased rate is effective from 1 July 1969. Payment of this amount cannot be made until statutory cover has been obtained and further advice will be issued on receipt of this authority.

(HPB 252/4/61)

(*Navy Order 734 of 1969*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

41—Naval Stores (General)—Curtains and Overcases in HMA Ships—Conditions of Selection and Scale of Allowance

1. Scale of Allowances of curtains and overcases to HMA ships as shown in Annex A of this order are promulgated for information. These allowances together with instructions concerning selection of material for navigational reasons and to meet the approved colour scheme, are being included in RAN Allowance List (Category) No 85 which will be distributed shortly.

2. The cost price of double width material used to make up curtains and overcases is currently limited to $3.25 and $3.75 per yard respectively. Any variation to the cost will be notified by Navy Order as and when necessary.

Service	Curtains Door	Curtains Scuttle	Curtains for Screens	Overcases
1. Flag Officers ..	One set per cabin	One set per cabin	One set as and where shown on approved drawings (*See Note* 1)	Two sets
2. Class I Suites ..	One set per cabin	One set per cabin	One set as and where shown on approved drawings (*See Note* 2)	Two sets
3. Commanding Officers Cabins	One set per cabin	One set per cabin	One set as and where shown on approved drawings (*See Note* 2)	Two sets
4. Other Officers Cabins	One set per cabin	One set per cabin	One for cabin shelf and/or where used in lieu of a Wardroom Door	One set
5. Wardroom, Wardroom Ante-room and Combined Wardroom Ante-Rooms	One set ..	One set ..	One set as and where shown on approved drawings (*See Note* 2)	Two sets
6. Sick Bays.. ..	One set ..	One set ..	One set as and where shown on approved drawings (*See Note* 2)	One set for Armchair
7. Chief Petty Officers and Petty Officers Messes	One set ..	One set ..	One set as and where shown on approved drawings (*See Note* 2). Except where approved otherwise for senior ratings, this allowance will be one set for screening watchkeepers bunks only, where this is a necessity	Two sets for Chairs Pattern 3060, 3062 and 3054 club fenders settees with full back settee bunks (seat and back) including the new type Mark 1 and Mark 2 Bunk settees
8. Junior Ratings Messes	Nil	Nil	One set for screening watchkeepers bunks only where this is a necessity	One set for stool cushions settees with full back settee bunks (seat and back) including the new type Mark 1 and Mark 2 Bunk Settees (*See Note* 1)
9. Dining Halls ..	Nil	Nil	Nil	Nil
10. Bathrooms ..	One set (plastic)	One set (plastic)	Nil	Nil

Notes:

1. Overcases for Junior Ratings messes are intended primarily for use in hot weather rather than for decorative purposes.
2. Where curtain screens divide a compartment and both sides are visible they may be double sided.

(DSAP 514/51/4)

UNCLASSIFIED

42—Mortars—A/S Mortar Mark 10—Introduction of Fibreglass Cover Breech

(*DCI (RN) 969/69*)

1. *Information:* A fibreglass cover has been designed to provide protection to the Breech Mechanism. The components required for modification of the A/S Mortar Mark 10 Barrel and Cartridge Container are now being procured for distribution to RAN Armament and Weapon Equipment Depots.

2. *Action Required:*
   a. Depot stocks of items affected are to be modified in accordance with the instructions contained in CL (UG) No 40 Annex B.
   b. HMA ships are to be dealt with at short refits or as opportunity permits.
   c. Work to be done in conjunction with modification Serial No 37.

3. *Publications:* The schedule and record of modification is to be amended in manuscript by inserting new entry as follows:

Serial No	36
Part Affected	Barrel Assembly
Nature of Mod	Fit 159134 Cover Breech Assembly
Urgency	b.
To be done by	d.
Navy Order No	As quoted
Drawing No	Sch AME 6580, UCW 4020/52, 53, 54 and 55 UCW 4070/71 and 72 Sch AME 4022/1
CL No	CL (UG) No 40

(DAS 707/51/155)

UNCLASSIFIED

43—Mortars—A/S Mortar Mark 10—Modification to Cartridge Container and Supporting Ring

(*DCI (RN) 970 of 1969*)

1. *Information:* It has been considered necessary to provide an extra lead to the container cartridge to give a more positive earth return for the firing circuits (ie, earth path does not involve the threads of the container).

2. *Action Required:*
   a. Stocks in RAN Armament and Weapon Equipment Depots are to be modified in conjunction with modification Serial No 36.
   b. HMA ships to be dealt with in conjunction with the modification promulgated in Navy Order 42 of 1970.

3. *Publications:* The schedule and record of modifications is to be amended in manuscript by inserting new entry as follows:

Serial No	37
Parts Affected	Barrel Assembly
Nature of Mod	Provide facility to fit additional earth lead from container cartridge via Ring Supporting to the Barrel
Urgency	b.
To be done by	d.
Navy Order No	As quoted
Drawing No	AME 6361/18, AME 4022/1 and 2 UCW 4020/52
CL No	CL (UG) No 40

(DAS 707/51/155)

UNCLASSIFIED

44—Stores General (Group Class 0559)—Miscellaneous, Electrical and Electronic—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

		New Stock Number	
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
L56968	5940	66–018–7321	Terminal, lug
L56972	5940	66–107–9951	Terminal, lug
L56973	5940	66–031–3494	Terminal, lug
L56974	5940	66–031–3493	Terminal, lug
L56979	5940	66–018–7314	Terminal, lug
L56980	5940	66–018–7343	Terminal, lug

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 24 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/71/321)

UNCLASSIFIED

45—Stores General (Group Class 5220)—Inspection Gauges and Precision Layout Tools—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made:

		New Stock Number	
Catalogue Number	*Group Class*	*Catalogue Number*	*Description*
00–691–4884	3455	00–212–2633	Cutter

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Article 1815 with effect from 24 February 1970.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 506/71/974)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

46—Rendition of Performance Evaluation Reports Form PP1

1. The purpose of this Navy Order is to emphasise to Commanding Officers the importance of rendering forms PP1, Performance Evaluation Report, on all of the occasions required by ABR 10 of 1969. It is evident at present that in many cases this is not being done.

2. In addition to being converted to a performance evaluation points score for inclusion in a sailors composite points score for promotion purposes, information from forms PP1 is used to record details of a sailors employment and efficiency assessments on his EDP Service Record. To ensure that no gaps occur in the employment area it is essential that forms PP1 be rendered for all sailors of the rank of Able rank 2nd Class and above on posting as well as in accordance with the half yearly time scale laid down in the ABR.

3. Timeliness of reporting in regard to those forms PP1 rendered on posting is also important if details of a sailors last employment are to be included on the printout of his service record issued to his new ship on posting. These printouts are generated by the receipt of a movement gain from the joining ship, consequently the form PP1 must be received prior to this report. If details of the last employment are not available at the time this printout is issued up to twelve months could elapse before the employment area is updated as forms PP1 of themselves do not give rise to a new printout of a service record when applied to the EDP file.

4. To date follow up action on Forms PP1 has been taken in regard to sailors subject to selective promotion only. It is intended in future to take this action in regard to all sailors of the rank of Able Seaman Second Class and above.

(HPB 178/1/67)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

ANOs 47-60/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
25 February 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

47—ACNB General Messages

1. In accordance with Navy Order 593 of 1968, the state of ACNB General Messages at 1 January 1970, is as shown in the Annex to this order.

2. Navy Order 128 of 1969 is hereby cancelled.

ANNEX A

1. The following F Messages may now be withdrawn:

1968—

038 See Navy Order 537 of 1969.
123 See F Message 002 of 1969.

1969

001 See ABR 155
003 See ANO 78/69
011 See F Message 030
016 See ABR 5020 (NPI)
018 See ABR 5016 (RI)
020 See 1970 Training Desk Calendar
023 See ABR 5016 (RI)
024 See F Message 030
025 See F Message 030
031 See ABR 27
032 See F Message 033
035 See ABR 5018 (NAM)
036 See ABR 5020 (NPI)
038 See ABR 5076 Change 2
039 See ABR 5076 Change 2
052 See ABR 5020 (NPI)

2. At 0001Z 1 January, the following F Messages were in force:

1969

002, 005, 006, 007, 014, 015, 022, 026, 030, 031, 033, 034, 040, 041, 043, 044, 045, 047, 049, 050, 051, 063, 065, 067, 068, 069, 071, 072, 073, 075, 077, 079, 080, 081, 082, 083, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 097, 098, 099, 100, 101, 102, 104, 105, 106, 107, 109, 110, 111, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 124, 126, 127, 128, 129, 131, 133, 134, 135, 137, 138, 140, 142, 143, 144, 146, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168.

(AS (NS) 77/1/14)

(*Navy Orders 593 of 1968 and 128 of 1969*)

UNCLASSIFIED

48—Commissioning

The following decommissionings have been effected:

HAWK .. .. .. 7 November 1969
GULL .. .. .. 7 November 1969

(AS (NS) 1211/251/200)

UNCLASSIFIED

49—HMAS CRESWELL: Rail Forwarding Address

1. Advice has been received from Commonwealth Railways that goods and parcels forwarded by rail and intended for the RAN College, and personnel at the College, are from time to time being directed in error to the Canberra railway station, resulting in delays in delivery. The consignments are addressed 'Jervis Bay, ACT' and not Nowra, the railway station servicing the Jervis Bay area.

2. In order to ensure prompt delivery of consignments, 'Nowra, NSW' should be included in the address and consignment notes endorsed 'Rail to Nowra'.

(CEO (GS) 68/5/167)

UNCLASSIFIED

50—Photographs, Plans, Etc, Reproduced for Repayment Services

1. Charges to be levied for photographic reproduction and plan printing work for repayment services have been revised and are set out in Annex A to this order.

2. The general conditions relating to sale of stores as promulgated in Article 21 of Navy Accounts Manual (ABR 5018) are applicable to any issues of photographic reproduction and plan printing work. Application for a standing sales authority should be made by Administrative Authorities where regular requests for such issues are received; applications are to include full details as to the nature of the issues and normal source of supply.

3. No charge is to be made for photographic or plan printing work carried out on behalf of another Service Department, and subject to Ministerial approval photographs as under may also be supplied free of charge:

a. graves of deceased naval personnel; and

b. to publishers for illustrations in certain books. The normal charge, however, for publication rights is $6.30 per photograph.

4. Subject to Naval Board approval, photographs of HMA ships may be issued without charge where such issues can be justified on recruiting grounds. In such cases, care is to be taken that costs and size of prints are reasonable.

5. The above charges will be incorporated in ABR 5018 in due course.

ANNEX A

Photographs, Plans, Etc, Reproduced for Repayment Services

Item	*Cost Price*	*Commonwealth Departments (except Defence, Army, Air and Supply) and members of the RAN*	*State Governments and Other Administrations (including Foreign Governments)*	*Commercial and Private Interests*
	$	$	$	$
(1) Enlargements—½-Tone (Bromide Prints)				
8½ in × 6½ in	0.46 each	0.53 each	0.55 each	0.58 each
10 in × 8 in	0.67 each	0.77 each	0.80 each	0.84 each
15 in × 12 in	1.50 each	1.73 each	1.80 each	1.88 each
20 in × 16 in	2.67 each	3.07 each	3.20 each	3.34 each
(2) Enlargements—Line Work (Kodagraph Prints from ½-Plate Negatives)				
8¼ in × 13¼ in	1.40 each	1.61 each	1.68 each	1.75 each
16 in × 20 in	1.52 each	1.75 each	1.82 each	1.90 each
30 in × 20 in	1.70 each	1.96 each	2.04 each	2.13 each
40 in × 30 in	1.95 each	2.24 each	2.34 each	2.44 each
Over 40 in × 30 in ..	0.15 add'l per sq ft	0.17 add'l per sq ft	0.18 add'l per sq ft	0.19 add'l per sq ft
(3) Photostats				
24 in × 18 in (Full Sheet)..	1.50 each	1.73 each	1.80 each	1.88 each
12 in × 18 in (Half Sheet)	0.75 each	0.86 each	0.90 each	0.94 each
(4) Film				
Half Plate Negative ..	1.30 each	1.50 each	1.56 each	1.63 each
Full Plate Negative ..	1.40 each	1.61 each	1.68 each	1.75 each
(5) Plan Printing				
30 in Dyeline—				
Up to 4 ft long ..	0.30 p ft	0.35 p ft	0.36 p ft	0.38 p ft
Over 4 ft up to 8 ft long..	0.28 p ft	0.32 p ft	0.34 p ft	0.35 p ft
Over 8 ft up to 20 ft long	0.25 p ft	0.29 p ft	0.30 p ft	0.31 p ft
Over 20 ft up to 40 ft long	0.23 p ft	0.26 p ft	0.28 p ft	0.29 p ft
Over 40 ft up to 120 ft long	0.20 p ft	0.23 p ft	0.24 p ft	0.25 p ft
Over 120 ft long ..	0.15 p ft	0.17 p ft	0.18 p ft	0.19 p ft
40 in Dyeline—				
Up to 3 ft long ..	0.40 p ft	0.46 p ft	0.48 p ft	0.50 p ft
Over 3 ft up to 6 ft long..	0.37 p ft	0.43 p ft	0.44 p ft	0.46 p ft
Over 6 ft up to 15 ft long	0.34 p ft	0.39 p ft	0.41 p ft	0.43 p ft
Over 15 ft up to 30 ft long	0.30 p ft	0.35 p ft	0.36 p ft	0.38 p ft
Over 30 ft up to 90 ft long	0.27 p ft	0.31 p ft	0.32 p ft	0.34 p ft
Over 90 ft long ..	0.20 p ft	0.23 p ft	0.24 p ft	0.25 p ft

Item	Cost Price	Commonwealth Departments (except Defence, Army, Air and Supply) and members of the RAN	State Governments and Other Administrations (including Foreign Governments)	Commercial and Private Interests
	$	$	$	$
(5) Plan Printing—*continued*				
30 in Dyeline Linen (OPAQUE)—				
Up to 4 ft long ..	0.70 p ft	0.81 p ft	0.84 p ft	0.88 p ft
Over 4 ft up to 8 ft long..	0.68 p ft	0.78 p ft	0.82 p ft	0.85 p ft
Over 8 ft up to 20 ft long	0.65 p ft	0.75 p ft	0.78 p ft	0.81 p ft
Over 20 ft up to 40 ft long	0.63 p ft	0.72 p ft	0.76 p ft	0.79 p ft
40 in Dyeline Linen (OPAQUE)—				
Up to 3 ft long ..	0.94 p ft	1.08 p ft	1.13 p ft	1.18 p ft
Over 3 ft up to 6 ft long..	0.90 p ft	1.04 p ft	1.08 p ft	1.13 p ft
Over 6 ft up to 15 ft long	0.87 p ft	1.00 p ft	1.04 p ft	1.09 p ft
Over 15 ft up to 30 ft long	0.84 p ft	0.97 p ft	1.01 p ft	1.05 p ft
Process Tracings—				
30 in—Any length ..	0.80 p ft	0.92 p ft	0.96 p ft	1.00 p ft
40 in—Any length ..	1.07 p ft	1.23 p ft	1.28 p ft	1.34 p ft

(DNA 201/58/15)

Section 2

PERSONNEL

UNCLASSIFIED

51—Sailors—SAR Divers—Allowance

The last two lines of Paragraph 9 in Navy Order 708 of 1968 should be amended to read:

'Search and Rescue Divers are not entitled to receive winch operators flying pay vide NPI 76A or diving pay in accordance with NPI 117 concurrently with Search and Rescue Divers Allowance paid in accordance with NPI 117A.'

(HPB 303/221/77)

(*Navy Order 708 of 1968*)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

52—Ammunition—Underwater Explosive Stores—Amended Regulations

(*DCI (RN) 1494/69*)

1. Most of the general regulations for detonators in respect of handling, stowage, maintenance, etc, are at present incorporated in the current Article 0267 of NMERs which is particular only to Detonators Aircraft Bomb. It is now intended to incorporate much of the current Article 0267 into a revised Article 0226 to include all Underwater Weapon detonators. Consequential amendments will also be necessary to a number of other current Articles of NMERs and these will be inserted in the next change.

2. This Instruction contains advance information of the changed regulations concerning the life of Underwater Weapon detonators and the new method of marking opened tins of detonators. These revised instructions are to be adhered to from 1 January 1970.

a. **Detonators and Fuzes Electric-General**

(1) *Storage and Care in handling*

Detonators are always to be handled with the greatest care and are to be stored in the special lined cylinders or tins in which they are supplied, in the approved detonator (Stowage) locker. Detonators are not to be stored in Magazines nor for long periods in Ready Use Lockers, where they are liable to be subject to high temperature.

(2) *Detonator Life (General)*

The life of detonators is calculated from the date of filling shown on the label of the cylinder or tin in which they are supplied and to avoid wastage, stocks of earliest date of filling should be used first.

In general, a life of 20 years is being allotted for detonators in sealed tins or cylinders and the contents of any opened cylinder are allotted a remaining life of one year. Reduced lives for certain detonators which deteriorate rapidly with age or have been affected by moisture are given in relevant handbooks, Article 0267 of BR 862 (NMERs), or in (3) below.

(3) *Life of Certain Detonators for Torpedoes, Depth Charges and Mines*

Detonators Torpedo Electric No 1, Detonators Electric No 21 and Detonators Percussion Watertight Mk N8 are governed by clause (3) of Article 1511 of BR 862. These detonators together with Detonators LE N6 have a shelf life of 20 years in their sealed cylinders. Once a cylinder containing the detonators above has been opened, the remaining detonators not removed have a shelf life of 12 months from the date of opening. The date of expiry of this remaining life is to be marked indelibly, legibly and conspicuously on the cylinder. The detonators quoted above, when assembled to Torpedo Pistols or Mine Primers, have a life of six months. In the case of Torpedo Pistols assembled in torpedoes in submarines or when used in mines, the life of the detonators may occasionally have to be extended to suit operational requirements but is not to exceed 12 months from the date of opening the cylinder.

(4) *Detonators and Fuzes Electric (General)*

Detonators which become wetted are to be disposed of by dumping in deep water singly.

Detonators are not to be disposed of in their cylinders. Detonators which cannot be disposed of by dumping in deep water singly may be destroyed by lashing to a good detonator and countermining it under precautions.

b. **Opening and Resealing of Detonator Cylinders or Tins**

(1) Detonators cylinders or tins are not to be opened until the detonators are required for fitting to a store. The date of expiry of remaining life is always to be marked indelibly, legibly and conspicuously on the cylinder.

(2) After removal of any detonator, the cylinder must be closed and resealed with tape banding and should as far as possible be kept separate from unopened cylinders.

(DAS 715/51/374)

UNCLASSIFIED

53—Fitting of Zinc Anodes to Rudders

1. Following reports of anode losses from the bottoms of rudders of HMA ships, the fastening details have been modified and are now shown on Navy Office drawing 223/26 Tracing 2—'Standard Zinc Alloy Anodes and Method of Fitting'.

2. In order to prevent loss of the anodes due to vibration, and to minimise noise generation, the anodes are to be securely fastened, to the rudders, using UNC Nyloc self locking nuts tightened up on internal tooth lock washers. This procedure also ensures that good electrical contact is maintained for the life of the anode.

3. In anode manufacture, tolerances have been introduced on the positioning of the anode keep strap and the depth of head of the special fastening studs, to ensure consistent contact points and to avoid bending of the keep straps.

4. Before fitting new anodes, the areas of rudder plating behind the anodes are to be cleaned and painted in accordance with ABR 19.

5. At each anode replacement, new Nyloc nuts and new internal tooth lock washers must be fitted, but existing studs need not be replaced if in good condition.

6. Where anodes cannot be fastened to the underside of a rudder, they shall be arranged in a suitable configuration on the sides instead.

7. Rudders shall be bonded to the hull in accordance with ABR 5023.

8. The number of anodes required for rudder protection is to be calculated using the relevant particulars laid down in ABR 5023.

(ACDC 465/7/21)

UNCLASSIFIED

54—Machinery—Chadburn Turbometers—Replacement of Horo Mechanical Turbometers by Mark II Eddy Current Type Turbometers

1. The Chadburns Horo Mechanical Turbometers fitted in the following ships are now obsolete and are to be replaced with Chadburns Mk II Eddy Current Type Turbometers, complete with seven figure revolution counters and 5:1 increasing gear box, as indicated on Chadburns drawing No 40465:

HMA Ships VAMPIRE, VENDETTA, ANZAC and QUEENBOROUGH

2. For HMA Ships MELBOURNE and SYDNEY the existing Chadburn turbometers and revolution counters at the manoeuvring platforms are also to be replaced with Chadburns Mk II Eddy Current Type Turbometers, complete with seven figure revolution counters and

5:1 increasing gear box, as indicated on Chadburns drawing No 40465. In addition the repeat turbometers (without revolution counters) are to be replaced by electrical type revolution transmitters at the following positions:

a. HMAS SYDNEY—one in No 'Cirscale' shaft speed and direction indicator, pattern No 12833, for the repeat transmitter from the aft main machinery unit (Port) to be located at the Ford machinery compartment manoeuvring platform.

b. HMAS MELBOURNE:

(1) One in No 'Cirscale' shaft speed and direction indicator, pattern No 12833, for the repeat transmitter from the Aft main machinery unit (Port) to be located at the aft machinery control cabinet.

(2) One in No 'Cirscale' shaft speed and direction indicator, pattern No 12833, for the repeat transmitter from the aft main machinery unit (Port) to be located at the Ford machinery unit (stbd) control platform.

(3) One in No 'Cirscale' shaft speed and direction indicator, pattern No 12832, for the repeat transmitter from the Ford main machinery unit (stbd) to be located at the Ford machinery control cabinet.

3. For HMAS SUPPLY the existing Chadburn turbometer installation is also to be replaced with Chadburns Mk II Eddy Current Type Turbometer, complete with seven figure revolution counter, as indicated on Chadburns drawing Nos 40465 (and D1516), but without 5:1 increasing gear box.

4. Refit authorities are advised that from earlier experience with Chadburns Mk II instruments, fitted in RAN Type 12 Destroyer Escorts, extreme care is necessary in lining up and 'balancing of angles' when aligning the drive shafting for Mk II turbometers as slight inaccuracies in alignment cause cyclic variations at the turbometers, induced by varying angular accelerations.

5. The work is to be undertaken by defect action at the first available opportunity. The Mk II turbometers are available from Machinery Spares Depot and will be issued on demand.

(ACDC 1118/51/184)

UNCLASSIFIED

55—Made-to-measure Uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney—1969-70

1. Consequent upon amendments to prices charged by the Commonwealth Government Clothing Factory for made-to-measure uniforms, as from 1 January 1970, Annex A of Navy Order 603 of 1969 is to be amended as follows:

ANNEX A

Commonwealth Government Clothing Factory—Made-to-measure Uniforms for RANNS and WRANS OFFICERS 1969-70

Item	*Price* $
Coat, womans, cloth, wool, barathea No 1	40.70
Coat, womans, cloth, wool, barathea No 2	41.30
Coat, womans, cloth, wool, venetian No 1	43.95
Greatcoats, womans, officer, with shoulder straps	*
Skirt, womans, cloth, wool, barathea No 1	11.20
Skirt, womans, cloth, wool, barathea No 2	11.55
Skirt, womans, cloth, wool, venetian No 1	13.30
Shoulder straps, WRANS (plain)	2.90

* Price to be advised

Braiding: Per coat and per pair shoulder straps for:	$
Superintendent	4.60
Chief Officer	4.00
First Officer	3.90
Second Officer	3.40
Third Officer	2.80

Commonwealth Government Clothing Factory—Made-to-measure Uniforms for WRANS—1969-70

Item	*Price* $
Coat, womans, cloth, wool, twill No 1, with horn buttons	*
Dress, womans, white	9.40
Raincoat, womans	25.05
Skirt, womans, cloth, wool, serge No 1	9.70
Skirt, womans, cloth, wool, twill No 1	*
Slacks, womans, cloth, wool, serge No 1	11.00
Slacks, womans, drill, blue	7.50

* Price to be advised

2. This order will be reprinted for posting on notice boards.

(D of V 930/52/40)

(*Navy Order 603 of 1969*)

UNCLASSIFIED

56—Made-to-measure Uniforms for Sailors at Melbourne, Sydney, Brisbane and Perth—1969-70

1. Consequent upon amendments to prices charged by the Commonwealth Government Clothing Factory, as from 1 January 1970, for made-to-measure uniforms for RAN sailors, Navy Order 604 of 1969, Paragraph 2, is to be amended as follows:

Item	*CGCF Melbourne* $
Coat, mans, cloth, wool, serge No 2, double breasted with gilt buttons, CPO	37.25
Coat, mans, cloth, wool, serge No 2, double breasted with gilt buttons, PO	36.85
Coat, mans, drill, white with blue facings, w/o buttons	7.10
Coat, mans, drill, white, with gilt buttons, CPO	8.15
Coat, mans, drill, white, with gilt buttons, PO	7.15
Coat, mans, drill, white, w/o buttons, Class I and III	6.55
Jacket, mans, cloth, cotton, twill, working dress	10.10
Jacket, mans, cloth, wool, serge No 1, working dress	14.20
Jacket, mans, cloth, wool, serge No 2, working dress	14.10
Jumper, mans, cloth, wool, serge No 1	9.60
Jumper, mans, drill, white	5.25
Raincoat, mans, sailor	30.35
Trousers, mans, action working	6.65
Trousers, mens, cloth, wool, serge No 1, Class II	11.40
Trousers, mens, cloth, wool, serge No 1, gymnastic	10.05
Trousers, mens, cloth, wool, serge No 1, working dress	13.55

Item	*CGCF Melbourne* $
Trousers, mens, cloth, wool, serge No 2, Class I and III	12.05
Trousers, mens, cloth, wool, serge No 2, working dress	13.45
Trousers, mens, drill, white, Class I and III	4.95
Trousers, mens, drill, white, Class II	5.25

2. This order will be reprinted for posting on notice boards.

(D of V 930/52/40)

(*Navy Order 604 of 1969*)

UNCLASSIFIED

57—Naval Dockyard Police—Made-to-measure Uniforms at Melbourne, Sydney and Perth—1969-70

1. Consequent upon amendments to prices charged by the Commonwealth Government Clothing Factory, as from 1 January 1970, for made-to-measure uniforms for Naval Dockyard Police, Navy Order 605 of 1969, Paragraph 2, is amended as follows:

Item	*CGCF Melbourne* $
Coat, mans, cloth, wool, serge No 2, Chief Inspector, with buttons	50.90
Coat, mans, cloth, wool, serge No 2, Inspector, with buttons	48.35
Coat, mans, cloth, wool, serge No 2, Sub-Inspector, with buttons	45.05
Coat, mans, cloth, wool, serge No 2, police, with buttons	36.50
Shoulder straps, Chief Inspector	8.65
Shoulder straps, Inspector	7.50
Shoulder straps, Sub-Inspector	6.85
Trousers, mens, cloth, wool, serge No 2, police	12.05
Trousers, mens, khaki, officers, NDP, cloth, wool/polyester	8.30
Trousers, mens, khaki, police, cloth, wool/polyester	8.30

2. This order will be reprinted for posting on notice boards.

(D of V 930/52/40)

(*Navy Order 605 of 1969*)

UNCLASSIFIED

58—Naval Stores (General)—Introduction Chalk Marking

The following item has been added to the authorised List of Consumable Naval Stores.

Group/Class	*Catalogue No*	*Description*	*Acc Cl*	*DQ*
7510	66–035–0093	Chalk, marking, white, dustless	C	BX

(DSAP 514/62/366)

UNCLASSIFIED

59—RAN, RANR and ASCC Officers and Chaplains—Made-to-measure Uniforms at Melbourne, Sydney, Brisbane and Perth—1969-70

Consequent upon amendments to prices charged by the Commonwealth Government Clothing Factory for made-to-measure uniforms, etc, as from 1 January 1970, Annexes E and F of Navy Order 606 of 1969 are to be amended as follows:

ANNEX E

Commonwealth Government Clothing Factory, Melbourne

Made-to-measure Uniforms for RAN Officers—1969-70

—	*Coat, Mans, Undress, Officer*			*Coat, Mans, Undress Tail, Officer*		*Jacket, Mans, Mess Officer*		*Shoulder Straps (per pair)*
	Wool, Serge No 2	*Venetian No 1*	*Barathea No 2*	*Venetian No 1*	*Barathea No 2*	*Venetian No 1*	*Barathea No 2*	
	$	$	$	$	$	$	$	$
Midshipman (with white turn-backs) ..	41.45	47.60	44.50	—	—	45.15	42.85	4.60
Sub-Lieutenant	46.35	52.50	49.40	—	—	50.05	47.75	6.85
Lieutenant	49.65	55.75	52.70	—	—	53.55	51.00	7.50
Lieutenant-Commander	52.20	58.35	55.25	—	—	55.90	53.60	8.65
Commander	52.85	59.00	55.90	—	—	56.55	54.25	8.80
Captain	56.10	62.20	59.15	73.75	70.70	59.80	57.45	9.70
Commodore	53.85	60.00	56.95	71.55	68.50	57.60	55.25	9.20
Rear-Admiral	56.15	62.25	59.20	73.80	70.75	59.85	57.55	29.45
Vice-Admiral	59.75	65.85	62.80	77.40	74.35	63.45	61.15	32.60

Uniform for Officers—RANR

The above schedule of prices is applicable, with the addition of $1.20 per garment or set of Shoulder Straps for addition of letter 'R'.

Note: The above prices include the cost of distinctive cloth between lace where required.

Uniform for Officers—ASCC

The above schedule of prices, less (i) $0.20 per Uniform Coats; (ii) $0.50 per pair Shoulder Straps } is applicable

Note: ASCC Officers do not wear 'Australia' flashes.

Prices: Nett, for/fob, Melbourne.

ANNEX E—*continued*

All Ranks	*Cloth, Cotton, Drill, White*	*Cloth, Cotton Marcella*	*Cloth, Wool and Cotton Gabardine*	*Cloth, Wool, Serge No 2*	*Barathea No 2*	*Cloth, Wool, Venetian No 1*
	$	$	$	$	$	$
Cloak, boat	—	—	—	—	38.00	41.45
Coat, mans, bush, drill, white (for Commander and above) ..	15.60	—	—	—	—	—
Coat, mans, drill, white, officer, with gilt buttons	9.40	—	—	—	—	—
Coat, mans, drill, white, officer, without buttons	8.00	—	—	—	—	—
Jacket, mans, mess, drill, white, officer with gilt buttons ..	10.55	—	—	—	—	—
Jacket, mans, mess, drill, white, officer without buttons ..	8.60	—	—	—	—	—
Raincoat, mans, officer	—	—	28.90	—	—	—
Trousers, mens, officer, plain	6.00	—	—	12.60*	15.15*	17.60*
Trousers, mens, officer, mess, dress	—	—	—	—	15.15*	17.60*
Vests, mans, mess, officer	—	5.45	—	—	12.30	13.10

Lace, gold, $\frac{9}{16}$ inch (complete with curl for cuffs) .. .. $4.15 per pair

Lace, gold, $\frac{1}{2}$ inch (complete with curl for shoulder straps) .. .. $2.50 per pair

Khaki Clothing

Officers taking up appointment in North America or South-East Asian Area

Coat, mans, cloth, wool/polyester, khaki, with buttons .. .. $40.10 each

Coat, mans, drill, khaki, with buttons .. .. $18.70 each

Trousers, mens, cloth, khaki, wool/polyester .. .. $9.85* pair

Trousers, mens, drill, khaki .. .. $8.15* pair

Note: Permanent creasing by Si-Ro-Set method, of trousers marked * can be effected, if desired, at an additional cost of $0.20 per pair.

Prices: Nett, fob/for, Melbourne.

11150/70—3

ANNEX F

Commonwealth Government Clothing Factory, Melbourne—Made-to-measure Uniform for Naval Chaplains

Item	*Price* $
Coat, mans, undress, black serge, cloth (without gold lace)	40.40
Coat, mans, undress, serge No 2	39.80
Coat, mans, undress, venetian No 1	45.90
Coat, mans, undress, barathea No 2	42.85
Trousers, mens, black, serge, cloth	13.10
Trousers, mens, serge No 2	12.60
Trousers, mens, venetian No 1	17.60
Trousers, mens, barathea No 2	15.15

(D of V 930/52/40)

(*Navy Order 606 of 1969*)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

60—Supersession of ABR 5062—RAN Catalogue of Forms—by ABR 5074 Group Class 'Forms'

Further to Navy Order 279 of 1967 ABR 5062, RAN Catalogue of Forms, has been rendered obsolete by the issue of ABR 5074 Group Class 'Forms' and copies are to be disposed of in accordance with normal procedure.

(DSAP 464/99/165)

(*Navy Order 279 of 1967*)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANO 61/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
26 February 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

11149/70

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

61—Introduction of New Modification Procedure for Ships and Equipment (Ships and Establishments Excluding Submarine and Aircraft)

Introduction

1. A new procedure for the promulgation of modifications to ships (excluding submarines and aircraft) and all ship fitted equipment is being introduced into the Fleet. The main features of the procedure are as follows:

a. It will cover all modifications at present dealt with under BR 1917, BR 1653, BR 1870, CB 3349 and all other eq ıipment BRs procedure including Ikara, but in addition includes all A and As, Ordalts, Shipalts and Field changes. The word modification as used below is to be taken to embrace all of these. The procedure will not apply to equipment under development or ship fitted for trial purposes, or to UK originated ordnance and underwater weapons which will continue under the present system for the time being. The terms 'A and A' and 'Shipalt' are used to describe a change in the arrangement of a ships structure, cabling, fixed services or built in equipment, where such a change involves departure (other than repairs or modifications) from the present authorised drawings or specifications, and is a significant contribution to the improvement of the ships capabilities in some manner. Other forms of modification may be treated as an A and A where the work involved is extensive, involves a departure from existing ships drawings or is required to be undertaken by dockyard or contract labour.

b. Modifications will be promulgated in standard loose leaf format to all ships, establishments and authorities concerned. The modification leaflet will specify all documentation affected by the modifications and list tools, stores and special test equipment required and give the priority code. The leaflet will constitute authority to undertake the modification, demand material, etc, excepting where stated otherwise on the leaflet. Specially provisioned stores, eg, kits and manufactured articles, will be bulk purchased to satisfy total fleet modification requirements. Costing instructions, where relevant, will be given in the leaflet.

c. Modification leaflets will not be issued until the necessary stores ordering action has been initiated, an approximate date of availability of stores can be given, all drawings have been approved, an estimate of availability and resources required given, and refitting implications resolved. Clearly, in some cases leaflets will be issued before the mod could be undertaken and will give a stores availability date. This should enable refit planning where inability to do so would prohibit embodiment at the first opportunity.

Leaflets will be accompanied by advanced technical information (titled 'Advance Change Notice') for the relevant handbooks.

d. Ships will receive normally only those leaflets which relate to equipment which they hold. For administrative convenience, in some cases, it may be necessary to give wide distribution.

The mod leaflet will note 'general distribution'. When ships receive mod leaflets for equipment not held the leaflet should be destroyed. Where ships receive a non general distribution leaflet and do not hold the equipment concerned, the 'mod complete form' should be returned with a note 'equipment not held'. Administrative Authorities, Refitting Authorities, relevant establishments and authorities will receive copies of all leaflets. An initial issue of spring lock covers

will be made to all ships and authorities concerned, in which mod leaflets are to be filed in EIC (Equipment Identification Codes *see* Annex C) order—Form No TM188–1 Restricted and TM 188–2 Unclassified. Separate covers should be used for the different classes of mods (eg, A and A, Field Change, *see* Paragraph 2). In the case of some classified equipment, in particular crypto, mod leaflets and all supporting documentation produced in the Modifications Section of Navy Office will be forwarded to ships and authorities concerned by DAM in the normal course. Classified leaflets are to be taken on charge only when specific instructions to do so appear on the leaflet. Classified spring lock covers will be issued for this documentation, crypto being dealt with as a separate subject under the regulations governing charge books.

e. All modifications will be given a composite serial number, which will embody the first three groups of the EIC and the relevant equipment change number.

f. Documentation and information feed back is arranged to ensure the absolute minimum of clerical effort in ships whilst enabling comprehensive records at Navy Office.

g. Promulgation of modifications in BR 1917, 1653 and 1870, etc, will cease from the date of this Navy Order, however, these books must be retained until such time as all modifications covered by them have been incorporated in equipment. Navy Office modifications already published in these books will not be re-issued in the new format. In selected major equipments retrospective promulgation of mods in the new format will however, be made, where such is essential.

h. Shore Establishments and Naval Communication Stations will be fully integrated into the new procedure the same way as ships.

j. Documentation for base maintained vessels will be forwarded to appropriate bases only.

k. Ships may raise proposed modifications in the normal way in part C3 of form TM179 (AS2022), but where a ship has investigated the requirement, produced and tested its own mod, it is preferable to support the TM179 by completing mod proposal Form TM187, *see* Annex A to this order. Under such circumstances, the ship is required only to answer those questions upon which it is readily able to give reliable information in Part 'A'.

All other authorities are to use the format in Annex A, again leaving blank those questions in which it would be unreasonable to expect them to answer. The authority concerned will be informed of action intended as soon as this has been agreed. At item marked 'TDL' the ship should insert its EDP code No followed by a numerical serial No, eg, 1066/7—indicates HMAS DUCHESS, proposed mod (A and A) No 7.

l. Ships are to raise A and A proposals on Form TM187, TG103 (AS1182) is no longer to be used.

Filing and Serial Numbers of Modifications

2. a. To facilitate identification and filing, all modifications will be given a composite serial number. The first part of this serial number contains one letter indicating the class or origin of the modification to the following code.

A .. A and As
F .. Field Change
O .. Ordalt
S .. Shipalt
M .. Modification (which does not affect ships structure, permanent cabling or pipework).

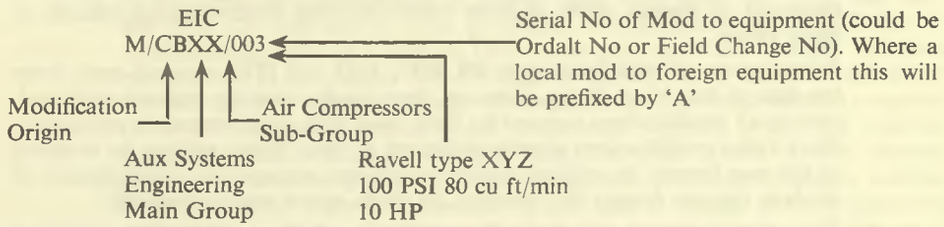
Followed by the first four characters of the EIC.

b. The second part shows the serial number of the modification relative to a particular system, ship, equipment or sub-unit or the original ordalt/shipalt/Field Change number. A separate unique Serial number and priority will be allocated by Navy Office for internal use under heading NO Identity No, this unique serial number will also be used as the second component of the Navy Office File No.

Priority Code

(A) Essential Personnel/Ship Safety
(B) Priority—Mandatory Status
(C) Normal
(D) Non-retrospective
(E) Special—specify conditions.

Example of Serial Number



Emergency MOD Procedure

3. Where experience in operation shows that a design contains features which, if allowed to continue, would constitute a hazard to life or to the seaworthiness of the ship in which it is installed, the appropriate interim safety measures to be adopted, pending the issue of a modification, will be promulgated by signal.

Execution of Modifications by Dockyard

4. Ships officers are to submit with their main defect list a separate list of outstanding modifications grouped in order of priority indicating those which are:

a. Dockyard/contract items
b. SS/FMU items.

SS Items which, for any reason SS cannot complete before the end of refit, are to be annotated with an asterisk. The dockyard will normally be responsible for demanding list a. parts above, the SS for list b.—any demand variations from this, known to the ship, for a particular mod are to be indicated against the appropriate item. The stores demand state of all items annotated with an asterisk is to be noted.

Modifications are to be considered by dockyards along with defects. Priority A and B mods are to be regarded as mandatory; priority C should be progressed as effort and defects allow, but it is the intention of the Naval Board that a ship shall be fully up to date on priorities A, B, and C by the end of a main 2 or 3 year refit period.

Modification work, both labour and material, is to be costed separately from general repair and refit work and is to be based upon contract rates. All funds for defects PM items and modifications will be within a single EA and whilst this will allow a degree of flexibility within the dockyard, funds are only to be cross transferred from mods to repair work or vice-versa, provided such is without prejudice to originally programmed work. The dockyard is to identify the component of total cost to be set against modifications in the refit estimate proposals.

Report of Completion of Modification

5. A pre-printed 'Modification Complete' reply Form (TM190) will be enclosed with the modification leaflet sent to the ship. As soon as the ship dockyard or other authority has completed the modification the date of completion is to be inserted by the ship, the form signed and forwarded to Mod Sect Navy Office, Canberra.

TM145—(AS2061Z) reports of completion will no longer be required. Admin Refit authority and appropriate supply authority records will be periodically updated from Navy Office records.

a. Where a number of particular equipment are fitted in a ship, the 'modification complete' report is to be forwarded upon completion of each individual equipment, quoting serial numbers.

b. When a modification is completed the mod number specified in the leaflet is to be marked off the modification label fitted to the unit/sub-unit, etc, where applicable. When necessary, modification labels will be supplied as part of the modification kit. In some cases, where due to physical size or other restrictions, mod labels are inappropriate, the mod leaflet will direct the nature of the mod complete identification to be carried out.

c. The completion of the modification is also to be recorded in the appropriate section of the Equipment Card in the Planned Maintenance Documentation. Where a modification has been substantially progressed during a refit, but cannot be completed, the mod complete, form is to be returned, marked 'progressed—per cent'. A completion form, indicating progress will be forwarded to the ship by Navy Office for future use.

d. Ships will be issued with a Mod Record Book (TM183) for recording single line descriptions of all mods in EIC order. This will enable quick identification of all outstanding mod work and is to have the date of completion inserted.

Supply of Modification Kits, Stores, etc

6. As a general rule, stores/kits, etc, are to be demanded by the ships/authority undertaking the mod work. A separate list of stores required will be included with the mod leaflet, where possible this will take the form of pre-printed SX12–15 as appropriate, except registration details—source, year, reg No and register, date. Drawings and information required to undertake a modification may be supplied within the kit of parts, otherwise all information will be supplied with the modification leaflet or direct to a dockyard where A and A action is appropriate. Items of equipment returned to storing authorities for modification are to have a mod Advices Note label (LB163) attached.

Modifications Before Supply of Equipment

7. Modification states of equipment/units/sub-units are to be checked during pre-issue testing and approved modifications incorporated by the Dockyard prior to issue.

The modification leaflet will state whether the modification is to be embodied during storage or not until called for by a user, or on completion of modification of all equipment in service, in this instance The Supply Directorate concerned being so informed by Navy Office. In general, immediate embodiment action will need to be taken by Storing Authorities for priority A and B modifications to spares held. The user is to specify the mod standard required when specifying an equipment where technical compatability with the remainder of a system is affected.

Scope of Modification Leaflet

8. All modification leaflets will comply with a standard format. In cases where the comprehensive instructions are already issued in some other format, eg, Ordalts, the modification leaflet will take the form of a cover instruction only. In the case of A and As, full details of the A and As will normally be given. The brief format of the Mod Leaflet is shown as Annex B.

Promulgation

9. Modification leaflets, supporting documentation, eg, Ordalts, advanced technical handbook information, stores demand instruction, drawings, etc, will be issued without demand by DFM to ships and establishments concerned and to Admin and Refit Authorities, relevant storing authorities FOCAF, RANTAU, and FMS.

Final handbook amendments will be issued by D of V or DAM to all handbook holding authorities in the normal course—the advanced technical handbook information (supplied only to authorities concerned with the modification) is to be removed upon inserting the final amendments.

Priority A mods will normally be promulgated initially by signal to those directly concerned giving enough information for the necessary immediate action to be taken.

At appropriate intervals, a Navy Order will be issued, listing the latest modification leaflet state issued within the last 3 months. Ships which have not received applicable mod leaflets within 3 months of the issue date shown in the Navy Order are to inform Navy Office. This Navy Order will also list mods for which stores are now available.

Equipment Catalogue

10. An equipment catalogue is being built up in the Modification Section of Navy Office. This section will hold details of mod state of all equipment fitted throughout the fleet and in order to keep such records up to date it is essential that:

a. Ship reports quote serial numbers and mod status.

b. The mod status of new equipment bought and equipment in store is notified to Navy Office by Storing Authority or GOSI as appropriate as soon as it is received in the country and confirmed upon installation by the installing authority.

HQ Processing of Modifications

11. The new procedures for processing modifications, the requirements for relevant committees (eg, A and A Committee) organisational flow charts, action details, etc, are dealt with in NTS Administrative Memo No 2 distributed without demand to all relevant authorities.

Implementation of the New Procedure

12. The new procedure represents a radical change to many areas covered and clearly cannot be introduced 'overnight'. It is intended that it should be phased in gradually, and be non-retrospective, excepting in certain very limited areas in which such action proves to be essential. Phased introduction is expected to be as follows:

a. *As and As*

As from the date of this order all new A and A proposals are to be submitted on Form TM187. An initial supply of forms will be available from SVSO, but demands are to be limited to six months supply.

As and As already submitted will be dealt with by the old procedure, though any which are not published within six months of this order if approved, will be issued in mod leaflet form.

Over the period of the next year the priorities of all existing outstanding As and As will be reviewed to the new definition, this will undoubtedly result in the effective cancellation of some, the new priorities will be announced by Navy Order together with instructions for dealing with As and As still outstanding at that time.

b. *Shipalts*

As with As and As, those already processed or being processed will be dealt with by the old system. New shipalts will come under the new procedure as from the date of this order.

c. *Modifications (Old Style)*

Modifications (old style) received in Navy Office will start to be processed under the new system gradually. Those at present being processed will be issued under the old system. Retrospective action may be taken in some cases, but will be confined to equipments having a long expectation of life remaining, and equipment in which a unified system is felt to be essential.

d. *Ordalts and Field Changes*

These will be gradually introduced into the new system. A summary statement will be issued for particular equipments as such equipments are brought fully into the new system.

In all the above action required by ships will remain as at present until such time as the new documentation for any particular mod is received.

It is hoped that the introduction of the new mod procedure and phasing out of all aspects of the old procedure will be complete by the end of 1971.

ANNEX A

TM187

Modification Proposal

PART 'A' (To be completed by ship submitting proposal)

ORIGINATOR.....SHIP/DEPT.....DATE.....

INITIATING AUTHORITY WHERE OTHER THAN ORIGINATOR OF THIS FORM — APPROVED (CAPTAIN/HEAD DEPT) PROPOSED MOD TDL.....

EQUIPMENT CONCERNED EIC.....TM179 REF.....

SYSTEM OR LOCATION.....MAJOR UNIT.....SUB UNIT.....

CAT NO/NSN/FSN

MODULE/COMPONENT.....OF UNIT MODIFIED.....

TITLE OF MOD (BRIEF AND UNAMBIGUOUS).....

BRIEF OUTLINE OF PROPOSALS IN MIND

1. SHORTCOMINGS WHICH LEAD TO REQUIREMENT AND IMPROVEMENT WHICH WILL RESULT FROM MOD
2. LIMITATIONS IF MOD IS NOT CARRIED OUT EXCEPT IMPLICATIONS FROM (1)
3. SAFETY ASPECTS
4. URGENCY OF MOD
5. EFFECTS OF PROPOSED MOD ON ASSOCIATED EQUIPMENT

11149/70—3

ANNEX A—*continued*

6. DEPENDENCY OF MOD ON:
   a. Other Mods
   b. Other Considerations
7. RESULTS OF TRIALS CARRIED OUT:
   a. To justify requirement
   b. To prove proposed mod
8. CHANGE IN MAINTENANCE EFFORT ANTICIPATED AND EFFECT ON COMPLEMENT
9. REVISION OF DOCUMENTATION REQUIRED
   a. Ref Book
   b. Planned Maintenance
   c. Spares—Action required to update ships allowances and base holdings.
   d. Drawings
10. VARIATION OF TRAINING REQUIRED
    APPROVED
    Admin Authority approved to process.....
    .....

TM187/1

A and A Modification Proposal

PART B

11. ASPECTS UPON WHICH DESIGN EFFORT WILL BE REQUIRED
12. BY WHOM SHOULD MOD BE CARRIED OUT
    SS, Dockyard, FMU, Contractor (Delete as appropriate)
13. ESTIMATED MANHOURS FOR EACH ASPECT OF SHIP FITTING
    a. Aspect.....Manhours.....
    b. Aspect.....Manhours.....
    c. Aspect.....Manhours.....
14. ESTIMATED COST OF MATERIAL PER OUTFIT MODIFIED
15. AVAILABILITY OF MATERIAL AND STORES
16. PROPOSED METHOD OF SUPPLY (eg, Kit)
17. DISPOSAL OF REDUNDANT EQUIPMENT
18. WEIGHT VARIATION RESULTING FROM MOD (and proposed compensation where applicable and Position)
19. METHOD OF RECORDING MOD
    a. On equipment
    b. Documentation
20. NUMBER OF EQUIPMENTS AFFECTED/SHIPS AND ESTABLISHMENTS INVOLVED
    a. In ships and other services
    b. In stores.
    c. Additional in following five years
       Ships/Establishments involved—list.
       Total No of kits required.

DISTRIBUTION

Two copies of this forms are to be forwarded to the Administrative Authority.

The Administrative Authority is to forward one copy noting approval or otherwise, and adding remarks as considered necessary to the various sections, to the Modification Section, Navy Office, Canberra.

ANNEX A—*continued*

TM187/2

PART C

Modification Proposal Decision—Field Change Category

FIELD CHANGE NO.....

Decision on requirement and priority for the above field change, applicable to services listed under Item 20 of the proposal below.

(Mod section suggested priority.....)

TICK AS APPROPRIATE

	Proposed Priority	Essential	Desirable	Debatable	Unjustified	Unnecessary
*NAVAL STAFF						
*DWEED						
*DFM ( )						

Field Change Committee Chairman.....

Finance approved and ordering action to be initiated.

..... DNEP

..... DNS*

..... DAS*

..... DMS*

ANNEX A—*continued*

TM187/3

PART C

Modification Proposal Decision—Ordalt/ECP Category

ORDALT/ECP No.....

Decision on requirement and priority for the above Ordalt/ECP applicable to Services listed under item 20 of the proposal is given below.

(Mod section suggested priority.....)

TICK AS APPROPRIATE

	Proposed Priority	Essential	Desirable	Debatable	Unjustified	Unnecessary
*NAVAL STAFF						
*DNOI						
*DNQA						
*DFM ( )						
*DWEED						

Ordalt Committee Chairman.....

Finance approval and ordering action to be initiated.

..... DNEP

..... DNS*

..... DAS*

..... DMS*

ANNEX A—*continued*

TM187/4

PART C

Modification Proposal Decision—Shipalt Category

SHIPALT No.....

Decision on requirement and priority for the above Shipalt applicable to Services listed under Item 20 of the proposal is given below.

(Mod section suggested priority.....)

TICK AS APPROPRIATE

	Proposed Priority	Essential	Desirable	Debatable	Unjustified	Unnecessary
*NAVAL STAFF						
*DSD						
*DMED						
*DWEED						
*DFM						

Shipalt Committee Chairman.....

Finance approval and ordering action to be initiated.

..... DNEP

..... DNW*

..... DMS*

..... DNS*

* Delete as appropriate.

ANNEX A—*continued*

TM187/5

PART C

Modification Proposal Decision—Miscellaneous Mods

MOD NO.....

Decision on requirement and priority for the above mod applicable to Services listed under item 20 of the proposal is given below.

(Mod section suggested priority.....)

TICK AS APPROPRIATE

	Proposed Priority	Essential	Desirable	Debatable	Unjustified	Unnecessary
*NAVAL STAFF ( )						
*DFM						
*DMED						
*DNOI						
*DNQA						
*DSAW						
*DWEED						
*DSD						

Finance approval and ordering action to be initiated.

..... DNEP

..... DNS*

..... DMS*

..... DAS*

* Delete as appropriate.

ANNEX A—*continued*

TM187/6

PART C

Modification Proposal Decision—A and A Category

A and A NO.....

Decision on requirement and priority for the above A and A applicable to Services listed under item 20 of the proposal is given below.

(Mod section suggested priority.....)

TICK AS APPROPRIATE

	Proposed Priority	Essential	Desirable	Debatable	Unjustified	Unnecessary
*NAVAL STAFF ( )						
*DSD						
*DMED						
*DWEED						
*DFM						

A and A Committee Chairman.....

Finance approval and ordering action to be initiated.

..... DNEP

..... DNS*

..... DMS*

* Delete as appropriate.

ANNEX B

TM188

Modification Instruction

O/ACOO/123

MOD ORIGIN —EQUIPMENT —IDENTIFICATION —CODE

RELEVANT EQUIPMENT CHANGE No

N.O. IDENTITY No.....

APPLICABLE TO	Ships and Services concerned.
EQUIPMENT	Usual Service nomenclature.
PURPOSE OF MOD	Brief reasons for introduction.
DEPENDENCY OF MOD AND COMPATABILITY	On other mods or considerations and also compatability between different mod states of parent equipment and modules.
BY WHOM TO BE DONE	Dockyard/Ships Staff.
WHEN TO BE DONE	Note when stores are available and any special instructions on timing, eg, only after weight compensation as required is provided.
TIME TAKEN DURING INSTALLATION TRIAL	Manhours.
STORES/PARTS	Stores demand/list enclosed or detail how obtained.
SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED	List and how obtained.
SPARES	Lists of spares being supplied and how supplied.
COSTING	Cost accounting where relevant.
DISPOSAL OF REDUNDANT EQUIPMENT	Action to be taken.
WEIGHT VARIATION/RESTRICTION	Anticipated weight variation resulting, any weight restriction or weight compensation requirements.
DRAWINGS AND REFERENCES	List of drawings concerned. These should be supplied with this leaflet, direct to dockyard, or in kit parts as applicable, but full details of how supplied will be given here. Procedure for updating or supply of new 'As Fitted' drawings to be given.
DOCUMENTATION	Advance technical handbook information necessitated by mod to be included with this mod leaflet. A list is to be included of all documentation affected, action being taken by Navy Office and action required

ANNEX B—*continued*

	by ships/dockyards other authorities Revision to PM documentation forwarded with leaflet.
PROCEDURE	Full procedure to be given, safety aspects, etc. *Note:* This procedure will be proved prior to issue of mod instructions.
TESTS AFTER COMPLETION	Details of tests and performance required.
RECORDING	Enclose mod complete reply letter. Note of all recording actions required.

ANNEX C

The Equipment Identification Code (EIC)

1. The EIC is being developed as a means of tagging equipment in order that system/equipment information may be computed stored, processed and retrieved and thereby enable computor analysis of defects, etc.

2. The principles underlying the construction of the EIC are almost identical to those of the American EIC and the first 3 groups are indeed of exactly the same construction, ie:

Main Group .. 1 character, eg, Aux systems engineering.
System .. 1 character, eg, Salt water system.
Equipment .. 2 characters, eg, Hull and fire pump/motor.

This code embodies a further 3 groups, but these are not used in the Mod Serial Number, namely:

Unit, Sub Unit, Module.

3. The RAN code used, and the main groups, differ in letter allocation from the USN EIC and it will be realised they could not indeed be the same without restricting the use of the code solely to US coded equipment.

4. The code will be used as a basis of filing, for spares holdings, analysis, mod state, etc, and the mod serial number therefore starts with the first 3 groups. This will not only enable ready classification of any mod and indentify the parent equipment; but will relate with other facets of the equipment, eg, maintenance schedules, which will shortly embody the EIC in their numbering.

5. At present only the first two groups of the EIC are available and for the time being only these will be used in the mod serial number. These codes are given in the remainder of Annex C.

Equipment Identification Code—Group Index

Main Group

A .. .. MAIN PROPULSION SYSTEM—STEAM
B .. .. MAIN PROPULSION SYSTEM—DIESEL AND GAS TURBINE—ELECTRIC
C .. .. AUXILIARY SYSTEM ENGINEERING—FIRE EXTINGUISHING SYSTEMS
D .. .. AUXILIARY SYSTEM—SHIP CONTROL

ANNEX C—*continued*

Main Group—*continued*

E .. .. ELECTRO-MECHANICAL—HYDRAULIC HANDLING GEAR AND DECK EQUIPMENT
F .. .. MINESWEEPING AND MINE HUNTING—SPECIALISED TASK SHIP HANDLING EQUIPMENT (eg, BOOM DEFENCE, CABLE LAYING, DG VESSEL)
G .. .. ELECTRICAL DISTRIBUTION SYSTEMS AND EQUIPMENTS
H .. .. DOMESTIC EQUIPMENT
J .. .. DECK EQUIPMENT (EXCLUDING THAT IN 'E' ABOVE) (eg, BOATS, MOORING, RIGGING, ETC)
K .. .. HULL STRUCTURE
L .. .. AVIATION SHIP INSTALLATION (EXCLUDING FUELLING)
M .. .. UNASSIGNED
N .. .. UNASSIGNED
P .. .. UNASSIGNED
Q .. .. WEAPONS SYSTEMS—GUNS
R .. .. WEAPONS SYSTEMS—SURFACE MISSILES
S .. .. WEAPONS SYSTEMS—UNDERWATER
T .. .. UNASSIGNED
U .. .. EXPENDABLE ORDNANCE AND SPECIALISED ORDNANCE EQUIPMENT
V .. .. COMMUNICATIONS EXTERNAL AND COMPUTERS
W .. .. UNASSIGNED
X .. .. UNASSIGNED
Y .. .. COMMUNICATIONS INTERNAL AND ADMINISTRATION—OFFICE EQUIPMENT—PHOTOGRAPHIC EQUIPMENT—ALARMS
Z .. .. COUNTER MEASURES EQUIPMENT ELECTRONIC
1 .. .. RADAR—IFF—RADAR NAVIGATION SYSTEMS AND ASSOCIATED DATA SYSTEMS
2 .. .. UNASSIGNED
3 .. .. NAVIGATION SYSTEMS—SHIP (NON-ELECTRONIC)
4 .. .. UNASSIGNED
5 .. .. UNASSIGNED
6 .. .. MEDICAL EQUIPMENT — SAFETY — DIVING — SURVIVAL EQUIPMENT
7 .. .. UNASSIGNED
8 .. .. UNASSIGNED
9 .. .. TEST EQUIPMENT AND TOOLS
0 .. .. UNASSIGNED

'A' Main Propulsion System—Steam

AA .. .. BOILERS MAIN
AB .. .. TURBINES—MAIN ENGINES
AC .. .. TURBINE GLAND AND DRAIN EVACUATION SYSTEM
AD .. .. RECIPROCATING ENGINES
AE .. .. GEARING AND PLUMMER BEARINGS
AF .. .. MAIN THRUSTS, SHAFTING, STERN TUBES AND 'A' BRACKET BEARINGS
AG .. .. PROPELLORS
AH .. .. COMBUSTION AIR SUPPLY SYSTEM
AJ .. .. PROPULSION CONTROL EQUIPMENT

ANNEX C—*continued*

'A' Main Propulsion System—Steam—*continued*

AK .. .. MAIN STEAM SYSTEM
AL .. .. AUXILIARY STEAM RANGE
AM .. .. EXHAUST STEAM SYSTEM
AN .. .. FEED AND CONDENSATE SYSTEM AND AIR EJECTORS
AP .. .. MAIN CIRCULATING AND COOLING WATER SYSTEMS
AQ .. .. FUEL COMBUSTION SYSTEM
AR to AO .. UNASSIGNED

'B' Main Propulsion—Diesel and Gas—Electric

BA .. .. DIESEL MAIN ENGINE
BB .. .. UNASSIGNED
BC .. .. GAS TURBINE MAIN ENGINE
BD .. .. UNASSIGNED
BE .. .. GEARING AND PLUMMER BEARINGS
BF .. .. SHAFTING, MAIN THRUST, STERN TUBES, 'A' BRACKET BEARINGS
BG .. .. PROPELLORS
BH .. .. INDUCTION AIR SUPPLY SYSTEM
BJ .. .. MAIN WATER COOLING SYSTEM
BK .. .. UNASSIGNED
BL .. .. GENERATORS AND EXCITERS—PROPULSION
BM .. .. ELECTRIC MOTORS—MAIN PROPULSION
BN .. .. CONTROLS—PROPULSION
BP to BO .. UNASSIGNED

'C' Auxiliary Systems—Engineering

CA .. .. AIR COMPRESSOR—HP
CB .. .. AIR COMPRESSORS—LP AND GENERAL SERVICE
CC .. .. GAS GENERATING AND STORAGE PLANT
CD .. .. REFRIGERATING SYSTEMS
CE .. .. AIR CONDITIONING SYSTEMS
CF .. .. VENTILATION AND HEATING
CG .. .. AUXILIARY STEAM BOILER
CH .. .. DISTILLING PLANT
CJ .. .. FRESH WATER SYSTEMS
CK .. .. SALT WATER SYSTEMS—FIRE MAIN
CL .. .. PUMPING AND BALLASTING SYSTEMS
CM .. .. SANITATION SYSTEMS
CN .. .. COOLING WATER SYSTEMS
CP .. .. UNASSIGNED
CQ .. .. LUBRICATING OIL SYSTEMS
CR .. .. FUEL SERVICE AND TRANSFER SYSTEMS
CS .. .. DIESEL GENERATORS
CT .. .. GAS TURBINE GENERATORS
CU .. .. STEAM TURBINE GENERATORS
CV .. .. DAMAGE CONTROL EQUIPMENT
CW .. .. ENGINE TURNING GEAR
CX .. .. INSTRUMENTATION, CONTROL SYSTEMS/CONSOLES IN MACHINERY SPACES
CY .. .. FEED AND CONDENSATE SYSTEMS, STEAM TURBINE (NON-MAIN PROPULSION)
CZ to CO .. UNASSIGNED

ANNEX C—*continued*

'D' Auxiliary Systems—Ship Control

DA .. .. STEERING GEAR
DB .. .. STEERING EQUIPMENT CONTROL CONSOLES
DC .. .. SUBMARINE STEERING GEAR AND DIVING CONTROLS
DD .. .. UNASSIGNED
DE .. .. BOW THRUSTERS
DF .. .. STABILISERS (FIN) AND ROLL DAMPERS
DG .. .. RUDDERS
DH to DQ .. UNASSIGNED

'E' Electro-mechanical—Hydraulic Handling and Deck Equipment

Note: This section includes power operated equipment only.
Hand operated equipment reported under appropriate sections, ie, Deck Equipment (J) or Test Equipment and Tools (9).

EA .. .. WINCHES—HOISTING EQUIPMENT
EB .. .. CAPSTANS
EC .. .. CHAIN HOISTS
ED .. .. LIFTS
EE .. .. CONVEYORS
EF .. .. CRANES
EG .. .. POWER OPERATED DOORS
EH .. .. REPLENISHMENT POWER EQUIPMENT
EJ .. .. UNASSIGNED
EK .. .. BOAT DAVITS
EL .. .. MOBILE HANDLING EQUIPMENT
EM to EQ .. UNASSIGNED

'F' Mine Sweeping, Minehunting, Torpedo, Salvage, Specialised Ship Handling Equipment, (eg, Boom Defence, Cable Laying, DG Vessel)

FA .. .. MINESWEEPING GEAR
FB .. .. MINEHUNTING GEAR (EXCLUDING MINEHUNTING SONAR)
FC .. .. TORPEDO COUNTERMEASURES GEAR
FD .. .. SALVAGE EQUIPMENT
FE .. .. MINESWEEPING GENERATING MACHINERY AND CONTROL GEAR
FF to FQ .. UNASSIGNED

'G' Electrical Equipment Distribution Systems

GA .. .. SWITCHBOARDS—MAIN AC
GB .. .. SWITCHBOARDS—MAIN DC
GC .. .. SWITCHBOARDS—SUBMARINE
GD .. .. SWITCHBOARDS AUXILIARY SERVICES
GE .. .. SWITCHES AND BREAKERS
GF .. .. DISTRIBUTION ANCILLARIES
GG .. .. LIGHTING
GH .. .. POWER CONVERSION ROTATING MACHINERY AND ASSOCIATED ANCILLARIES AND CONTROL GEAR (SHIP SUPPLIES)
GJ .. .. STATIC CONVERSION EQUIPMENT AND ASSOCIATED ANCILLARIES
GK .. .. UNASSIGNED

ANNEX C—*continued*

'G' Electrical Equipment Distribution Systems—*continued*

GL .. .. CATHODIC PROTECTION SYSTEMS
GM .. BATTERIES AND CHARGING EQUIPMENT (NOT PART OF MAIN SWITCHBOARDS)
GN .. .. DE-GAUSSING EQUIPMENT
GP to GO .. UNASSIGNED

'H' Domestic Equipment

HA .. .. GALLEY MOTORISED EQUIPMENT
HB .. .. GALLEY ELECTRIC COOKING
HC .. .. GALLEY STEAM COOKING
HD .. .. GALLEY OIL/GAS COOKING
HE .. .. DOMESTIC WATER HEATING
HF .. .. SERVERY EQUIPMENT AND FOOD PREPARATION EQUIPMENT
HG .. .. DOMESTIC REFRIGERATORS, COLD COUNTERS, COOL WATER DRINKING UNITS
HH .. .. SCULLERY EQUIPMENT
HJ .. .. CANTEEN EQUIPMENT
HK .. .. CLEANING EQUIPMENT
HL .. .. LAUNDRY EQUIPMENT
HM .. TAILORS, COBBLERS, BARBERS, SAILMAKING EQUIPMENT
HN .. .. GENERAL DOMESTIC FURNISHINGS
HP to HO .. UNASSIGNED

'J' Deck Equipment (Non-power Operated)

JA .. .. BOATS
JB .. .. STOWAGE FOR LIFE RAFTS AND KISBIE LIFEBUOYS
JC .. .. HANDWINCHES AND WINDLASSES
JD .. .. WIRE REELS
JF .. .. BOOMS
JG .. .. LADDERS AND BROWS
JH .. .. GRATINGS
JJ .. .. GUARD RAILS
JK .. .. RIGGING
JL .. .. REPLENISHMENT GEAR
JM .. .. DECK LOCKERS
JN .. .. DAVITS
JP .. .. ANCHORS, MOORING AND TOWING GEAR
JQ .. .. DECK GEAR GENERAL
JR .. .. BUOYS AND FENDERS (PORTABLE)
JS to JO .. UNASSIGNED

'K' Hull Structure

KA .. .. OUTER BOTTOM PLATING AND SHELL
KB .. .. LONGITUDINALS AND TRANSVERSE FRAMING
KC .. .. INNER BOTTOM PLATING
KD .. .. DECKS AND PLATFORMS
KE .. .. SUPERSTRUCTURE
KF .. .. MAIN MACHINERY AND BOILERS BEARERS
KG .. .. AUXILIARY MACHINERY BEARERS

ANNEX C—*continued*

'K' Hull Structure—*continued*

KH ..	.. WEAPON MOUNTING SUPPORTS
KJ ..	.. BULKHEADS
KK ..	.. PORTABLE AND REMOVABLE PLATES, TRUNKS, ACCESS, etc
KL ..	.. SPONSONS
KM	.. PROTECTIVE PLATING DOORS AND HATCHES
KN ..	.. METALLIC MATERIALS, CASTINGS, FORGINGS
KP ..	.. SEA TUBES AND HOLES IN OUTER BOTTOM
KQ ..	.. DOORS, HATCHES, MANHOLES AND SKYLIGHTS
KR ..	.. MASTS AND SPARS
KS ..	.. SPECIAL STRUCTURES
KT ..	.. RIVETING AND HUCKBOLTING
KU ..	.. KEELS
KV ..	.. STEM AND STERN
KW	.. SHAFT TUBES 'A' BRACKETS AND EDDY PLATES
KX ..	.. GRP STRUCTURES
KY ..	.. UNASSIGNED
KZ ..	.. UNASSIGNED
KI to KO	.. UNASSIGNED

'L' Aviation Ship Installation (Excluding Fuelling)

LA ..	.. FLIGHT DECK AND ASSOCIATED GEAR
LB ..	.. FLIGHT DECK GEAR—PORTABLE
LC ..	.. CATAPULT AND ASSOCIATED EQUIPMENT
LD ..	.. CATAPULT PROPULSION MACHINERY
LE ..	.. AIRCRAFT STARTING EQUIPMENT
LF ..	.. SPECIAL SUPPORT EQUIPMENT
LG ..	.. ACR EQUIPMENT
LH to LO	.. UNASSIGNED

'Q' Weapons Systems—Guns

Note: DIRECTORS are part of a system. Systems include built-in test, checkout and recording equipment.
Target designation systems not integral with gun system are reported under Main Group (1).

QA ..	.. MRS 3
QB ..	.. UNASSIGNED
QC ..	.. GFCS 68
QD ..	.. GDS 2 and 2*
QE ..	.. GDS 5
QF ..	.. WDS
QG ..	.. UNASSIGNED
QH ..	.. 4.5 inch MK 6 MOUNTING
QJ ..	.. 5 inch DDL LIGHTWEIGHT
QK ..	.. 5 inch 54 MK 42 (DDG)
QL ..	.. M22/6-38AU
QM ..	.. M22/5-49AU
QN ..	.. M22/5-63AU
QP ..	.. M44/1-39AU
QQ ..	.. 40/60 MOUNTS, ALL MARKS

ANNEX C—*continued*

'Q' Weapons Systems—Guns—*continued*

QR and QS ..	UNASSIGNED
QT ..	.. MACHINE GUNS, SMALL ARMS, SALUTING GUNS
QU ..	.. ROCKET LAUNCHERS
QV and QW ..	UNASSIGNED
QX ..	.. TRAINING AND TEACHING EQUIPMENT AND SIMULATORS
QY ..	.. SPECIALISED TEST CHECKOUT AND RECORDING EQUIPMENT
QZ ..	.. AMMUNITION HANDLING EQUIPMENT NOT INCLUDED UNDER 'MOUNTING'
QI to QO	.. UNASSIGNED

'R' Weapons Systems—Surface Missiles

RA ..	.. MISSILE HANDLING, LAUNCHER CONTROL, FIRING SYSTEM
RB ..	.. MISSILE GUIDANCE AND CONTROL SYSTEM
RC ..	.. TELEMETERING AND MONITORING SYSTEM
RD ..	.. FIRE CONTROL COMPUTER SYSTEMS AND FIRE CONTROL RADAR AND DIRECTOR SYSTEMS
RE ..	.. PERIPHERAL EQUIPMENT (CAPTAINS OPERATIONAL COMMAND EQUIPMENT)
RF ..	.. SPECIALISED TEST, CHECKOUT AND RECORDING EQUIPMENT
RG ..	.. DEPOT STATION INSTALLATION KIT (TARTAR)
RH ..	.. DEPOT TEST AND ASSEMBLY FACILITY (SEACAT)
RJ ..	.. 'TARTAR' SYSTEM
RK ..	.. 'SEACAT' SYSTEM
RL ..	.. UNASSIGNED
RM ..	.. UNASSIGNED
RN ..	.. UNASSIGNED
RP to RO	.. UNASSIGNED

'S' Weapons Systems—Underwater

SA ..	.. IKARA CONTROL SYSTEM
SB ..	.. MORTAR CONTROL SYSTEM 10 (MCS 10)
SC ..	.. SONAR TYPE 177
SD ..	.. SONAR TYPE 170
SE ..	.. ANTI SUB. MORTAR MOUNTING 10
SF ..	.. UNASSIGNED
SG ..	.. AN/SQS 23
SH ..	.. SONAR TYPE 187
SJ ..	.. SONAR TYPE 179
SK ..	.. SONAR TYPE 2007
SL ..	.. TORPEDO CONTROL SYSTEM SUBMARINE MK 9 (TCSS 9)
SM ..	.. MISSILE AND MORTAR HANDLING EQUIPMENT
SN ..	.. TRAINING EQUIPMENT
SP ..	.. SPECIALISED TEST CHECKOUT AND RECORDING EQUIPMENT (SHIP)
SQ ..	.. IKARA MISSILE
SR ..	.. DEPOT TEST AND ASSEMBLY FACILITY (IKARA)
SS ..	.. UNASSIGNED
ST ..	.. UNASSIGNED

ANNEX C—*continued*

'S' Weapons Systems—Underwater—*continued*

SU ..	.. TORPEDO AND ASSOCIATED EQUIPMENT
SV to SZ	.. UNASSIGNED
S 1 ..	.. SONAR SEARCH
S 2 ..	.. SONAR ATTACK
S 3 ..	.. SONAR CLASSIFICATION/MONITORING
S 4 ..	..
S 5 ..	.. SONAR COMMUNICATIONS
S 6 ..	.. SONAR BATHYTHERMOGRAPH
S 7 ..	.. SONAR MISCELLANEOUS
S 8 to S 0	.. UNASSIGNED

'U' Expendable Ordnance and Specialised Equipment

UA ..	.. GUIDED MISSILE WARHEADS
UB ..	.. ROCKET AMMUNITION
UC ..	.. GUN AMMUNITION
UD ..	.. SMALL ARMS AMMUNITION, HAND GRENADES
UE ..	.. DEPTH CHARGES
UF ..	.. MINES
UG ..	.. AIRCRAFT EXPLOSIVES
UH ..	.. DEMOLITION EXPLOSIVES
UJ ..	.. TORPEDO WARHEAD, IGNITERS, TORPEDO PISTOLS
UK ..	.. PYROTECHNICS
UL to UO	.. UNASSIGNED

'V' Communications External and Computers

VA ..	.. ANTENNAS
VB ..	.. FEEDERS AND TRUNK OUTFITS
VC ..	.. MULTICOUPLERS, TUNERS, ANTENNA TRANSFORMERS, BASE TUNER AND REMOTE CONTROL, etc
VD ..	.. FREQUENCY STANDARDS, SYNTHESISERS AND DRIVE EQUIPMENT
VE ..	.. COMMUNICATIONS TRANSMITTERS
VF ..	.. COMMUNICATIONS RECEIVERS
VG ..	.. COMMUNICATIONS TRANCEIVERS
VH ..	.. MICROWAVE COMMUNICATION EQUIPMENT
VJ ..	.. TERMINAL SWITCHING SYSTEMS
VK ..	.. CONTROL OUTFITS AND REMOTE CONTROL AUXILIARY DEVICES
VL ..	.. VOICE TERMINAL SYSTEMS
VM ..	.. CHANNELLING AND DE-CHANNELLING EQUIPMENT
VN ..	.. TELETYPE AND TELETYPE TERMINAL EQUIPMENT
VP ..	.. CRYPTO
VQ ..	.. COMPUTERS (NON WEAPON) DIGITAL
VR ..	.. COMPUTERS DATA PREPARATION AND TERMINAL EQUIPMENT
VS ..	.. COMPUTERS INPUT/OUTPUT TERMINAL EQUIPMENT
VT ..	.. INFRA RED AND LASER TRANSMITTERS AND RECEIVERS
VU ..	.. FACSIMILE EQUIPMENT
VV ..	.. SPECIALISED TEST CHECKOUT AND RECORDING EQUIPMENT
VW to VO	.. UNASSIGNED

ANNEX C—*continued*

'Y' Communications—Internal and Administrative Office and Photographic Equipment

Note: Pneumatic message systems reported under (CB).

YA ..	.. TELEPHONE AND INTERPHONE SYSTEMS
YB ..	.. BROADCAST SYSTEMS
YC ..	.. ENTERTAINMENT EQUIPMENT
YD ..	.. WARNING SYSTEMS
YE ..	.. VISUAL COMMUNICATIONS, ORDER INDICATORS, etc
YF ..	.. OFFICE EQUIPMENT
YG ..	.. PHOTOGRAPHIC EQUIPMENT
YH ..	.. VCS SYSTEMS
YJ ..	.. SIRS RADIAC
YK ..	.. TELEVISION
YL to YO	.. UNASSIGNED

'Z' Electronic Warfare Equipment

ZA ..	.. ANTENNA SYSTEMS
ZB ..	.. FEEDERS AND TRUNK OUTFITS
ZC ..	.. RECEIVING EQUIPMENT
ZD ..	.. ANALYSIS EQUIPMENT, TAPE RECORDERS, CAMERAS, REFERENCE OSCILLATORS, COUNTERS, etc
ZE ..	.. ANALYSIS EQUIPMENT, DATA STORAGE SYSTEMS, COMPUTER ANALYSIS, COMPUTER ANCILLARIES
ZF ..	.. TRANSMITTER JAMMING EQUIPMENT
ZG ..	.. PULSE BLANKING EQUIPMENT
ZH ..	.. REPEATER JAMMERS
ZJ ..	.. DIRECTION FINDING EQUIPMENT
ZK to ZO	.. UNASSIGNED

'1' Radar, IFF, Radar Navigation Systems and Associated Data Systems

Note: Gunnery, and missile (including Ikara) Radars are to be reported under the particular system to which they belong.

1A ..	.. LWO
1B ..	.. AN/SPS 52
1C ..	.. AN/SPS 40
1D ..	.. 293/277
1E ..	.. AN/SPS 10
1F ..	.. AR1
1G to 1J	.. UNASSIGNED
1K ..	.. 975
1L ..	.. 8GR301AU
1M ..	.. 829
1N ..	.. 1002
1P to 1T	.. UNASSIGNED
1U ..	.. AN/URN 20 TACAN
1V ..	.. INTAC
1W ..	.. NTDS
1Y ..	.. IFF
1Z ..	.. TARGET DESIGNATION SYSTEMS
1.1 ..	.. RADAR DISPLAYS
1.2 ..	.. NAVIGATION RADARS (NOT INCLUDED ABOVE)
1.3 ..	.. SURFACE SEARCH RADARS (NOT INCLUDED ABOVE)

ANNEX C—*continued*

'1' Radar, IFF, Radar Navigation Systems and Associated Data Systems—*continued*

1.4 ..	.. AIR SEARCH RADAR (NOT INCLUDED ABOVE)
1.5 ..	.. GCA EQUIPMENT
1.6 ..	.. AERIAL SYSTEMS, FEEDERS AND TRUNK OUTFITS, AIR DRIERS
1.7 ..	.. TRACKERS AND SIMULATORS
1.8 ..	.. RADAR SWITCHBOARDS
1.9 ..	.. SPECIALISED TEST CHECKOUT AND RECORDING EQUIPMENT
1.0 ..	.. UNASSIGNED

'3' Navigation Systems—Ship

3A ..	.. COMPASSES
3B ..	.. COMPASS REPEATERS AND RETRANSMISSION SYSTEMS
3C ..	.. UNDERWATER LOG SYSTEMS
3D ..	.. WIND DIRECTION AND WIND SPEED INDICATOR SYSTEMS
3E ..	.. ECHO AND DEPTH SOUNDING SYSTEMS
3F ..	.. WINDSCREEN EQUIPMENT
3G ..	.. BAROMETERS, CHRONOMETERS, etc
3H ..	.. OPTICAL SYSTEMS
3J ..	.. LORAN, HIFIX, LAMBDA
3K to 3O	.. UNASSIGNED

'6' Safety, Survival, Diving, Medical Equipment

6A ..	.. SUBMARINE ESCAPE EQUIPMENT
6B ..	.. LIFE SAVING EQUIPMENT (NON ELECTRICAL)
6C ..	.. DIVING EQUIPMENT
6D ..	.. SURVIVAL EQUIPMENT
6E ..	.. SICKBERTH AND DENTAL EQUIPMENT
6G ..	.. SAFETY EQUIPMENT
6H to 6O	.. UNASSIGNED

'9' Test Equipment and Tools

9A ..	.. METERS
9B ..	.. OSCILLOSCOPE
9C ..	.. SIGNAL, PULSE GENERATORS AND DISTORTION METERS
9D ..	.. FREQUENCY AND TIME MEASURING INSTRUMENTS
9E ..	.. POWER MEASURING INSTRUMENTS
9F ..	.. PROGRAMMED TEST SETS AND DATA LOGGING TESTING SYSTEMS
9G ..	.. ATTENUATORS, ADAPTORS, DUMMY LOADS ANCILLARIES
9H ..	.. GAUGES (ELECTRICAL OR MECHANICAL)
9J ..	.. RECORDERS
9K ..	.. OPTICAL INSTRUMENTS
9L ..	.. CALIBRATION AND STANDARD EQUIPMENTS
9M ..	.. LABORATORY EQUIPMENT
9N to 9R	.. UNASSIGNED
9S ..	.. TOOLS, HAND
9T ..	.. TOOLS, POWER, FIXED
9U ..	.. TOOLS, POWER, PORTABLE
9V ..	.. TOOLS, COMPRESSED AIR
9W ..	.. WELDING EQUIPMENT

ANNEX C—*continued*

'9' Test Equipment and Tools—*continued*

9X ..	.. WORK BENCHES, LOCKERS, BINS AND CABINETS
9Y ..	.. SPRAY AND PAINTING EQUIPMENT
9Z ..	.. FURNACES AND OVENS
9.1 ..	.. SPECIALISED SHOP EQUIPMENT
9.2 ..	.. TOOL ROOM AND MATERIAL STANDARDS
9.3 to 9.0	.. UNASSIGNED

Note: (1) All built in Test Equipments in systems are classified as specialised test checkout and recording equipment, and is to be reported under the main group or system with which it is associated.

(2) Fixed workshop test equipment is to be reported under its relative section above.

AN 'ALPHA NUMERICAL' SYSTEM HAS BEEN USED IN THIS GROUP INDEX. ANY 'CHARACTERS' NOT USED ARE TO BE CONSIDERED 'UNASSIGNED' AT THIS STAGE.

(DGDM 465/1/1128)

Printed for the Government of the Commonwealth by W. G. MURRAY, at the Government Printing Office, Canberra

HISTORIAN

RESTRICTED

2-75/70

AUSTRALI
NAVY ORD

ANO 61/70 will be issued at a later date.

Nav a,
970.

The enclosed orders are promulgated for in ice and necessary action.

By direction of the Naval Board,

The Flag Officer Commanding H
Flag Officer and Naval Officers in (
and Commanding Officers of HMA
in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10948/70

RESTRICTED

HISTORIAN

RESTRICTED

ANOs 62-75/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
26 February 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10948/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

62—Diving Watches—Policy

1. The policy relating to diving watches allowed to diving teams in the fleet for use by the diving supervisor has been reviewed by the Naval Board and the revised policy is promulgated for information and action as necessary.

2. Allowances of watches for ships diving teams are based on the number of personnel qualified to supervise in accordance with Confidential Navy Order 37 of 1968. Due to the more specialised nature of clearance diving operations where the use of a diving watch is sometimes essential, allowances for clearance diving teams are increased accordingly. Allowances to HMA Ships and Establishments are contained in the following lists and watches held in excess of allowances should be returned to SNSO, Sydney.

RANAL (CAT) No 80—Allowance List for Clearance Diving Teams Minehunters and Explosive Ordnance Disposal.

RANAL (CAT) No 81—Allowances for CTD4 and DT11.

RANAL (CAT) No 82—Allowances for Ships Diving Teams.

RANAL (CAT) No 83—Allowances for Diving Training.

RANAL (CAT) No 84—Allowances for RANR Teams.

Distribution of the above lists will be completed shortly.

3. The procedure detailed in ABR 4 Article 1213 is to be observed for the issue of watches to entitled personnel in HMAS PENGUIN. In all other cases, diving watches are to be issued on permanent loan to the Departmental officer in accordance with ABR 4 Article 1201 (a), who will arrange for personal issues as appropriate.

4. Diving Watches may be worn at the discretion of the holder.

(DSAP 519/53/781)

(*Confidential Navy Order 37 of 1968*)

UNCLASSIFIED

63—Fire Prevention and Control—Establishments

1. A recent fire in a naval establishment involved a Silica Gell Drying Unit made by the ships staff, and combustible components utilised in the manufacture contributed to the outbreak.

2. Whilst efforts of self help are appreciated electrical items of this nature should be obtained from commercial sources and be duly approved by the Electrical Officer.

3. Local Manufacture even though in conformity with SAA Wiring Rules is not acceptable.

(DNW 1426/22/361)

Section 2

PERSONNEL

UNCLASSIFIED

64—Certificate of Discharge for Sailors (Form PH100)

Navy Order 426 of 1969 is to be amended as follows:

Paragraph 3

Causes of Discharge

Insert 'j. Optional Discharge'.

Insert under heading:

Notation on Certificate of Discharge

'Honourable'.

(HPB 320/1/4)

(*Navy Order 426 of 1969*)

UNCLASSIFIED

65—Defence Forces Retirement Benefits Act—Transfer of Life Assurance Policies to the Defence Forces Retirement Benefits Board Under Section 75 of the Principal Act

1. Contributors to the DFRB Fund may apply to have transferred to the DFRB Board ordinary commercial Life Assurance Policies on their lives where financial hardships are experienced in meeting commitments for both schemes.

2. The object of the privilege is to relieve contributors, who are already adequately insured, from having to pay both insurance premiums and DFRB contributions. Once a policy is transferred the Board assumes the burden of paying premiums. On maturity of the policy the Board shall pay to the member or his personal representative to be administered as part of his estate any sums received on the policy, less the amounts of the premiums paid by the Board with compound interest on those amounts from the respective dates of payment at such rate as is prescribed. The conditions which will apply when considering applications for the transfer of Life Assurance Policies to the DFRB Board are as follows:

Conditions for Acceptance

a. The Company which has written the Policy is operating in Australia under the provisions of the Life Assurance Act 1945-1965 as amended to date of consideration.

b. The Policy is an endowment Assurance Policy to mature at an age appropriate to the rank and terms of appointment or engagement of the applicant.

c. Age has been admitted for the purposes of the Policy.

d. Premiums are payable on a yearly basis and are not in arrears: interest on premiums which have been outstanding at any time are payable by the Member before the Policy can be accepted on transfer by the Board.

e. The Policy is unencumbered and the bonuses are intact.

f. The 'Assured' is also the 'Assurer'.

g. The Policy has been in force for a sufficient period to ensure that the Board would recoup premiums paid plus an interest thereon if surrendered at any time or on maturity.

h. Whole of Life Policies may be considered if the above criteria would otherwise be satisfied so that the accumulated debt will not exceed the sum insured and likely bonuses.

Administrative Procedures

3. a. The Board will require Re-transfer of Assurance Policies when the Transferor ceases to be a contributor.

b. The Board will surrender Policies where the Transferor declines to pay the premiums plus interest accrued on ceasing to be a contributor (the Board will advise intending transferors of the requirements for re-transfer on ceasing to be a contributor).

Interest Rate

4. The prescribed rate shall be 5 per cent per annum compound interest: this rate may be subject to review from time to time.

5. Any member requiring information applicable to his own case should write direct to the Secretary, Defence Forces Retirement Benefits Board, West Block, Parkes, ACT 2600, giving full details of his proposal.

6. This order will be reprinted for posting on notice boards.

(HPB 263/1/213)

UNCLASSIFIED

66—Members on Long and Intermediate Termy Duty Overseas—Travelling Allowance

1. The rates of Travelling Allowance as shown in Paragraph 2 of Navy Order 704 of 1969 have been varied as follows:

Table A

Delete the rate for Netherlands and *insert* the following rates in their stead and *insert* new rates for Iran:

Country	*Currency of Payment*	*Rates of Payment per day*		
		Leut, Leut SD or relative rank, officers of lower rank and sailors	*Capt, Cmdr (SD) or relative rank, Lcdr, Lcdr (SD) or relative rank*	*Cdre and above*
Iran—Abadan and Isfahan	Rials	1,620	1,690	1,760
Elsewhere ..	Rials	1,280	1,350	1,420
Netherlands ..	Florins	55	60	66

Table C—*Delete* the rates for Indonesia and *insert* the following rates in their stead:

Indonesia ..	$A	2.00	2.50	3.00

2. The effective dates for changes in rates or inclusion of new rates in the above tables are as follows:

a. Indonesia from 14 January 1969;

b. Netherlands from 29 May 1969; and

c. Iran from 18 July 1969.

(HPB 252/4/46)

(*Navy Order 704 of 1969*)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

67—Alteration and Addition Item—100-foot Patrol Boats

The following Alteration and Addition Item is approved to be carried out in 100-foot Patrol Boats:

Class List Item No 1 (Ex TDL 'NXD').

a. *Item:* 'Remove the portable boats compass on the upper Bridge and fit a tape steering repeater AP 3012 M in parallel with the steering repeater in the wheelhouse.'

b. The weight of the repeater is 52 lb per vessel but weight compensation is required for 30 lb additional wegiht.

(CNTS 1236/255/2)

UNCLASSIFIED

68—Alteration and Addition Item—River Class Destroyers

The following Alteration and Addition Item is approved to be carried out in River Class Destroyers:

Class List Item No 400 (Ex TDL 'DWER').

a. *Item:* 'To resite SIFF Control Coder MODE 1 (5895-AP164335) in the Operations Room over the LOP. Stowage Box 4 inches × 3¼ inches × 2½ inches will need to be manufactured. 12 Core Cable to be run from CRO to Operations Room, say 80 feet.'

b. Weight Compensation for the estimated additional 30 lb weight is to be provided from the weight saving resulting from 'A' and 'A' Item TDL 'DWEO'—To remove 6 way multi-unit control panel for heated bridge windows.

c. *Reference:* HMAS DERWENTs Form AS1182 (TG103) TDL 'DWER' dated 24 July 1968 forwarded under cover of FOCAF Memorandum dated 4 February 1969.

(CNTS 1224/72/298)

UNCLASSIFIED

69—Ammunition—Pyrotechnics—Submarine Signalling Stores—Candles Smoke White Mark N6 Withdrawal

1. *Item* .. .. 39211811—Candle Smoke White Mark N6 of the following filling dates and lot numbers:

SPRA 6/66 lot 66; SPRA 6/66 lot 67; SPRA 7/66 lot 74; SPRA 7/66 lot 77; SPRA 7/66 lot 79; SPRA 8/66 lot 83; SPRA 9/66 lot 90; SPRA 9/66 lot 93.

2. *Action to be taken* .. a. By HMA Submarines—Exchange any Candles of these lots for unrestricted Candles at the first opportunity.

b. By RANADs—All stocks and receipts of Candles of these lots are to be brought on unservicable charge and declared for disposal.

3. *Reason for withdrawal* Failures at proof.

4. *Safety Category* .. BR862, Article 1705, Category 'ff'.

(DAS 725/52/203)

UNCLASSIFIED

70—Electrical—Ships Main AC Generators—Insulation Resistance of Rotor and Stator Windings

1. Consequent on reports from a number of ships of generator rotor insulation resistance readings of less than the one megohm minimum specified in Standard Electrical Specifications this requirement has been investigated with a view to obtaining a more realistic acceptable minimum figure which could be attained under service conditions.

2. Insulation resistance is affected by the machine construction, moisture, temperature, cleanliness, and age and condition of the windings, and the best indication of the condition of the insulation is given by a comparison of the observed insulation resistance reading with previously measured values, a significant change from the last measured value being more important than the numerical value.

3. It is difficult, therefore, to set a rigidly fixed value for the minimum permissible insulation resistance and to state positively that, if the measured value is less, the machine will fail or, if higher, the machine will operate satisfactorily.

4. Experience has shown, however, that the insulation resistance of a generator rotor which operates on a low dc voltage can be considered acceptable at a minimum value of 0.1 megohms measured cold (20° C to 25° C). When figures less than this are obtained copper and carbon dust, oil and grease, etc, should be removed from the slip-rings and brushgear and, in machines where the slip-rings have not been isolated from the main generator enclosure, the windings and coil clamps should be similarly cleaned (Navy Order 671 of 1969 refers). This should normally increase the insulation resistance well above the minimum limit. Failing this, more detailed inspection and remedial measures should be taken.

5. The insulation resistance of stator windings should not be lower than one megohm.

6. The values quoted above are the minimum acceptable and normally would be expected to be exceeded.

7. With the introduction of brushless generators and consequent absence of copper and carbon dust, rotor and stator insulation resistances should normally remain high, but no experience to date is yet available.

(DWE 400/1/798)

(Navy Order 671 of 1969)

UNCLASSIFIED

71—Fixed Issuing Prices for Provisions and Victualling Allowances as from 1 January 1970

1. The price list for dry provisions, fresh meats and smallgoods and supplementary price list for fresh fruit and vegetables which have operated from 1 January and 1 October 1969, respectively, have been amended from 1 January 1970.

2. Revised price lists have been distributed to all HMA Ships and Establishments.

3. Consequent upon the revision of these prices, the following rates of victualling allowance will apply as from 1 January 1970:

	Ashore $	*Afloat* $
Messes of 50 or less victualled from a separate galley ..	0.79	0.81
All other messes of 300 or less	0.77	0.79
Messes of more than 300	0.75	0.77
Additional for ships of the Strategic Reserve and for ships deployed with the United States Navy in the Far East ..	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC, DIAMANTINA, DUCHESS and QUEENBOROUGH	—	0.01
HMAS MELVILLE	0.81	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of NOIC PNG	0.83	—
Cadet Midshipmen at RANC .. .. .. / Junior Recruits at Training Establishments .. / Apprentices at RANATE .. .. .. / Australian Sea Cadets attending camps and courses	0.86	*

* The allowance of 86 cents per day for Cadet Midshipmen, Junior Recruits, Apprentices and Australian Sea Cadets, is increased to 88 cents per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 708 of 1969 is hereby cancelled.

(D of V 903/51/163)

(Navy Order 708 of 1969)

RESTRICTED

72—Guided Weapons—Ikara Missiles—Propellant Records

Navy Order 396 of 1969 is to be amended as follows:

Paragraph 6, last line:

'10 years' is to be *amended to read* '8½ years'.

(DNOI 740/252/833)

(Navy Order 396 of 1969)

RESTRICTED

73—Guns (Other Than Aircraft)—OQF 4.5-inch Mark 5—Introduction of Modified 14103012 Needle Assembly and Modified 14121212 Needle

(DCI (RN) 981/66)

1. *Introduction* .. .. The following modified items have been introduced for the QF 4.5-inch Mark 5 guns:
   14103012 NEEDLE electric firing-assembly
   14121212 NEEDLE electric firing (Part of the 14103012 assembly)
2. *Parts affected* .. 141004 MECHANISM breech left guns assembly
   141017 MECHANISM breech right guns assembly
   141030 NEEDLE electric firing-assembly
   141212 NEEDLE electirc firing
3. *Drawing* .. .. NOD 3175/22 dated 16 September 1965
4. *Purpose of Modification* .. To improve electrical contact when using certain primers by a modification of the needle point profile
5. *Store references* .. Needles are to be held on charge as follows:
   a. *Unmodified*
      14103011 NEEDLE electric firing-assembly
      14121211 NEEDLE electric firing
   b. *Modified*
      14103012 NEEDLE electric firing-assembly
      14121212 NEEDLE electric firing
6. *Exchange* .. .. Stocks of modified Needles are available at the Weapon Equipment Depot, Garden Island. HMA Ships concerned are to demand their requirements of 14103012 Needle assemblies from RAN Weapon Equipment Depot, Garden Island, and unmodified 14103011 Needle assemblies are to be landed
7. *When to be done* .. a. HMA Ships—at next series inspection or at earliest opportunity, after receipt of stores
   b. RANA Depots—at earliest opportunity, but before issue
8. *Schedule of Modification Part 1* Add Serial No 40
9. *Publications affected* .. Warrants of NA stores will be amended.

(DAS 706/251/50)

UNCLASSIFIED

74—Naval Stores (General) Allowances of Portable Power Cleaning and Descaling Tools

1. Allowances of portable power, cleaning and descaling tools to HMA Ships listed in the annex to this order together with relevant Stock Numbers are repromulgated for information.

2. The heavy duty all purpose saw which was introduced vide Navy Order 540 of 1966 is now out of production and is being progressively replaced by a Saw, heavy duty, 115 VAC and 220 VDC, Stock Numbers 5130-66-TSN-9560 and 5130-66-TSN-9561 respectively, as shown in Annex A.

3. Demands to complete to the authorised allowances should be forwarded to the Superintending Naval Store Officer, Sydney. Tools held in excess of authorised allowances should be returned to store.

ANNEX A

Group Class	Catalogue Number	Accounting Classification	DQ	Description	Allowances													Remarks
					CVS	AP	AOR	DDG	DD DARING	DD BATTLE	DE TYPE 12	DE TYPE 15	AGOR	AGS	AG	AGSC	MSC and MHC	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0565	L21278	P	No	Machine drilling 110V, AC/DC	—	—	—	—	—	—	—	—	—	—	—	1	—	(*a*)—HMAS KIMBLA only
0565	L21279	P	No	Machine drilling 220V, AC/DC	—	—	—	—	—	—	—	—	1(*a*)	—	—	—	—	(*b*)—1 No only to HMAS KIMBLA
0565	L21283	P	No	Machine drilling 115V, AC	—	—	—	—	—	—	—	—	—	1	—	—	—	(*c*)—HMAS DIAMANTINA only
0565	L21284	P	No	Machine drilling 220V, AC/DC	—	1	2	—	2	3	—	—	—	—	—	—	—	(*d*)—1 No only to HMAS DIAMANTINA
0565	33091	P	No	Machine drilling 220/250V	1	1	—	—	—	1	—	1	4(*d*)	—	—	1	—	(*e*)—1 armature and 1 set of brushes, allowed to each ship as spares
0565	33092	P	No	Machine drilling 110/115V, AC/DC OR	—	—	—	—	1	—	1	—	—	—	—	—	—	(*f*)—Includes 7 No for each ship for use with 5130–66–021–5525
0565	L21271	P	No	Machine drilling 115V, AC/DC														
0565	33095	P	No	Machine drilling HD 220/250V, AC/DC	7	7	—	—	—	2	—	—	1(*a*)	—	—	—	1	
0565	33096	P	No	Machine drilling 100/115V, AC/DC OR	—	—	2	—	2	—	1	—	—	—	—	—	—	
0565	L21276	P	No	Machine drilling 115V, AC/DC														
0565	33101	P	No	Machine drilling 1" morse taper 220V, AC/DC OR	5	5	—	—	—	—	1	1	1(*c*)	—	—	—	—	
0565	L21287	P	No	Machine drilling 220V, AC/DC														
0565	3311	P	No	Machine grinding and sanding 220/230V, DC	6	6	4	—	—	3	—	2	2(*b*)	—	—	1	—	
0565	33120	P	No	Machine grinding and sanding HD 110V, AC/DC	—	—	—	—	3	—	3	—	—	—	—	—	—	
5130	00–288–7767	P	No	Drill 115V, AC..	—	—	—	2	—	—	—	—	—	—	—	—	—	
5130	00–293–0167	P	No	Drill 115V, AC..	—	—	—	1	—	—	—	—	—	—	—	—	—	
5130	66–L24335	P	No	Hammer scaling 220V, DC	—	—	—	—	—	—	—	1	1	—	—	1	—	
5130	66–L24411	P	No	Hammer scaling 115V, AC	—	—	—	—	—	—	—	—	—	1	—	—	—	
5130	66–L45147	P	No	Kit power 220V, DC	1	1	1	—	—	1	—	1	1(*c*)	—	—	—	—	
5130	66–L45148	P	No	Kit power 115V, AC	—	—	—	—	1	—	1	—	—	1	—	—	—	
5130	66–TSN–9560	P	No	Saw HD 115V, AC	—	—	—	1	1	—	1	—	—	1	—	—	—	
5130	66–TSN–9561	P	No	Saw HD 220V, DC	1	1	1	—	—	1	—	1	1(*c*)	—	—	—	—	
5130	66–021–5525	P	No	Carrier, pneumatic hammer	1	1	1	—	—	—	—	—	—	—	—	—	—	
5130	66–021–5526	P	No	Hammer pneumatic	15(*f*)	15(*f*)	11(*f*)	—	1	1	2	1	3(*c*)	—	2	1	—	
5130	66–023–3175	P	No	Sander Oscillating pad 115V, AC/DC	—	—	—	2(*e*)	2(*e*)	—	2(*e*)	—	—	1(*e*)	—	—	—	
5130	66–023–3176	P	No	Sander Oscillating pad 220V, AC/DC	3(*e*)	3(*e*)	2(*e*)	—	—	2(*e*)	—	2(*e*)	2(*b*)(*e*)	—	1(*e*)	1(*e*)	1(*e*)	
5130	66–030–4138	P	No	Planer 220V, DC	1	1	—	—	—	—	—	—	—	—	—	—	—	

(DSAP 506/71/418)

(Navy Order 540 of 1966)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

75—Form CG154—Urgent Reply Memorandum

1. A specially constructed three part form with interleaved carbon has been introduced to provide a speedy means of making routine requests for information in those cases where a signal is not warranted and where a typewritten memorandum or letter is not necessary. The form is titled Urgent Reply Memo and is intended for manuscript use.

2. The various parts of the form should be handled in accordance with the instructions printed at the top of the form. On completion of the 'Reply' section the addressee should return the original to the originator, retaining the pink copy.

3. Supplies of Form CG154 should be demanded from SVSO, Sydney (D of Q for this form is 'ST').

(DOM 464/71/15)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANO 76/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
26 February 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

10949/70

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

76—Diving—Decompression Sickness—Treatment

1. Therapeutic recompression is normally to be carried out under the supervision of an officer qualified Minewarfare and Clearance Diving or Clearance Diving. In emergency, a Senior Sailor Clearance Diver may supervise therapeutic treatment. They should, however, call for the assistance, as soon as possible, of a suitably qualified Officer.

2. The diving officer supervising the therapy is to be advised by the medical officer. A medical officer specialised in Underwater Medicine may recommend the modification of decompresion routines if he considers it indicated in that specific case.

3. Any diver who is thought to have decompression sickness is to be treated strictly in accordance with the instructions in these articles except in extreme emergency or on the advice of a medical officer (*see* Paragraph 5 'Unusual or difficult cases' below). Even symptoms which could be attributable to some other cause, for instance, a recent injury, are to be considered as bends since such an injury can bring on a bend and only recompression will give the answer. Recompression is most unlikely to do harm and may prevent very serious consequences.

4. If the medical officer is available promptly and there are no serious symptoms present, the patient is to be examined carefully before treatment. If no medical officer is immediately available or if the sypmtoms are serious the patient is to be placed in a recompression chamber, with an attendant whenever possible, and the chamber pressurised without delay. The choice of treatment is summarised in Annex E to this Order.

Unusual or Difficult Cases

5. Although the majority of cases of decompression sickness will respond to the treatment laid down here, there are occasions, including those specified below, when the advice of a specialist medical officer with considerable experience in the treatment of decompression sickness should be sought. An unusual or difficult case should be regarded as an emergency and an immediate telephone call should be made as follows:

a. *In working hours* .. The Officer-in-Charge,
School of Underwater Medicine,
HMAS PENGUIN,
Sydney 9691444 ext 311

OR

The Diving Training Officer,
HMAS PENGUIN,
Sydney 9691444 ext 337.

b. *Out of working hours* .. The Duty Diving Supervisor,
HMAS PENGUIN,
Sydney 9691444.

If the use of the telephone is not possible the request should be sent by priority signal to HMAS PENGUIN for information ACNB and should include details of the previous dive, the present clinical condition, and the chamber and gas-mixture available.

All Cases

6. In cases where specialist advice is not necessary a signal should be made at the earliest opportunity, in accordance with ABR 155 Article 3601. The therapeutic table being used and estimated time of arrival at the surface should be included under Paragraph k.

7. **If the symptoms are pain only and there is no evidence of a more serious condition,** the patient is first to be treated as in a. or b. depending on the availability of oxygen:

a. **If oxygen is available** the patient is to start breathing oxygen before leaving the surface. The attendant may breathe chamber air throughout unless it is a repetitive dive for him in which case he should breathe oxygen for the last 30 minutes, from 30 feet to surface. Descend to 60 feet in one to two minutes. Do not stop descent to verify a report of symptom relief. Do not include descent time as bottom time but begin to record elapsed time from arrival at 60 feet (ie, set hands of clock to 0000 on arrival at 60 feet).

If symptoms are fully relieved within 10 minutes at 60 feet decompress in accordance with treatment Table 6A.

If symptoms are not fully relieved within 10 minutes at 60 feet breathing oxygen, the patient should breathe air and be recompressed to 165 feet. He should then be decompressed on Table 5B. When a suitably experienced medical officer is available (*see* Paragraph 5), **on his advice only,** Table 6B may be used. Table 6B can be lengthened on the advice of such a medical officer by an additional 25 minutes at 60 feet (20 minutes 0_2-5 minutes air) or an additional 75 minutes at 30 feet (60 minutes 0^2-15 minutes air) or both.

b. **If oxygen is not available,** the chamber is to be pressurised at a steady rate of 25 feet per minute to 65 feet. **If pain is fully relieved** within 10 minutes at that depth the chamber pressure is to be increased, as soon as the relief is reported, to 100 feet and Table 5A used. **If pain is not fully relieved** within 10 minutes at 65 feet and sooner if pain continues to be severe, the chamber pressure should be increased to 165 feet and Table 5B used. (These Tables are detailed in the Anexes.)

Next, following a. or b., **if pain is not relieved both quickly and completely on arrival at 165 feet** specialist medical advice is to be sought immediately (Paragraph 5 refers). Treatment will be advised based on the particular circumstances of the case and, until this advice is received, use Table 5B if pain is fully relieved within 30 minutes at 165 feet and Table 5D (if oxygen is available) or Table 5E (if no oxygen is available) if the pain is not fully relieved within 30 minutes.

8. **If there are serious symptoms (with or without concurrent bend pain)** the chamber is to be pressurised without delay with air to 165 feet at the fastest rate that can be tolerated by the patient. If pain increases during the descent, descent must be halted and then continued at a slower rate more tolerable to the patient. The treatment of serious cases on oxygen at 60 feet with Table 6B may be advantageous when there has been delay (relief of secondary hypoxia may be of greater importance than the shrinkage of the primary bubble) but this treatment can be used only under specialist medical advice. The serious symptoms include:

a. *'Spinal Bends'* Weakness or paralysis, tingling or numbness in the limbs; girdle pains of body; difficulty in passing urine.

b. *'Cerebral Bends'* Unconsciousness; visual disturbance; convulsions, headache, loss of speech or hearing; depression; confusion or other unusual behaviour.

c. *'Staggers'* Staggering gait, inability to balance, giddiness or vomiting.

d. *'Chokes'* Pain or tightness in chest, breathlessness, shallow rapid respiration; collapse, shock.

If symptoms are fully relieved on arrival at 165 feet, treatment Table 5C is to be used. Only a suitably experienced medical officer can authorise the use of treatment Table 5B for such cases.

If symptoms are not fully relieved on arrival at 165 feet, specialist medical advice is to be sought immediately (Paragraph 5 refers). Pending such advice and if the symptoms are fully relieved within 30 minutes at 165 feet, use treatment Table 5C, but where there is the slightest doubt about the completeness of recovery, remain at 165 feet for two hours and use Table 5D (when oxygen is available) or 5E (when oxygen is not available). When Table 5D is used, both patient and **attendant** are to breathe oxygen as indicated.

If the conventional therapies outlined in these paragraphs do not succeed promptly the therapeutic depth of 165 feet may be exceeded but only on the advice of suitably experienced medical officers. The treatment Table 7, ie, to 230 feet is included as a guide to the type of decompression that may then be followed.

9. a. *Treatment in the Chamber*

The medical officer should question and examine the patient as soon as possible and satisfy himself that the correct table is in use. He must not hesitate to advise recompression or a change to a longer Table if he suspects any residual or new lesion. In consideration of the difficulties of making a satisfactory physical examination of the patient while under pressure in a chamber, it needs to be emphasised that, in the absence of abnormal signs, it is necessary to treat the patient symptomatically.

The following checks are to be made by the medical officer, if present, or by the attendant. On reaching maximum depth, the patient is to be questioned and examined as completely as possible to detect incomplete relief or the presence of any symptoms previously unnoticed. The patient must at least be stood up and made to walk the length of the chamber. Rechecking is required before commencing each ascent. The patient is to be asked how he is on arrival at each stop and periodically during the longer stops. The patient should be woken from sleep through changes in depth and at approximately hourly intervals at stops since symptoms can recur during sleep.

b. *Chamber Ventilation.* The chamber needs to be flushed through periodically in order to avoid accumulation of carbon dioxide and to ensure the comfort of those within. The frequency and degree of ventilation will depend on the size of the chamber and the number of persons within but the continued comfort of the patient and attendant should be the guide. Ideally a minimum flow of 10 cubic feet of compressed air should be delivered per man per minute, the volume being 10 cubic feet at the appropriate depth.

10. *Onset of new symptoms in patient or attendant or a recurrence of previous symptoms,* whether occurring during treatment or after arrival at the surface. Recompress to the depth of relief of symptoms and if this is less than 30 feet recompress to 30 feet. In all cases, inform HMAS PENGUIN (as in Paragraph 5) to obtain specialist medical advice. Do not exceed 165 feet without this advice even if symptoms are not fully relieved. After 30 minutes at the depth of relief (or two hours at 165 feet if incompletely relieved) reduce pressure to next stoppage and continue on Table 5D (or, if either the previous treatment was 5D or if oxygen is not available, on Table 5E). If a suitably qualified medical officer is in attendance and the patient is on Table 6A, on the medical officers advice, the depth may be increased to 60 feet and the patient treated in Table 6B. The schedule may be lengthened as considered appropriate by the medical officer.

11. *On arrival at surface* the patient should be kept close to a chamber for six hours and within one hours travelling time for the next 18 hours.

12. *Stand-off Period.* Any diver who has had decompression sickness must have a period of recovery after completion of treatment. Decompression sickness leads to many difficulties in assessing the degree of recovery even after therapeutic recompression. If the diver had such minor symtoms that recompression was not carried out, no restrictions need to be imposed. If his symptoms were limited to pain in his limbs and recompression on Table 5A was completely successful in clearing his trouble then he should not be allowed to dive at all for 24 hours and no deeper than 25 feet (ie, safe oxygen depth) for a further two days. If his symptoms are cleared by any other therapeutic regime, then his restriction would be complete for 24 hours and limited for a further four days, to 25 feet. If any symptoms or signs of decompression sickness persist and further recompression is not advised, no diving is to be allowed until he has been examined by the School of Underwater Medicine. The periods given are to be considered the minimum acceptable duration and in certain cases a period of seven days complete rest from diving may be considered suitable.

13. Avoid these errors:

a. Divers failure to report symptoms early.

b. Failure to treat dubious cases.

c. Failure to treat promptly.

d. Failure to recognise serious symptoms.

e. Failure to treat adequately.

f. Failure to keep patient close to chamber after treatment.

Treatment of Decompression Sickness When There Is No Recompression Chamber Available at The Diving Site

14. These instructions are issued as a guide because the action to be taken must be decided upon in consideration of the rapidity of onset and severity of the illness, and the duration and means of transfer to the nearest chamber.

a. *Transfer of the Patient to a Chamber must be achieved wherever possible.*

(1) Get in touch by telephone or signal with the nearest authority controlling a chamber and request that chamber be made available.

(2) Dispatch patient by the quickest available means. If he has to be sent by air the aircraft cabin pressure should not exceed that of a height of 1,000 feet.

(3) Patient should be accompanied by a diving supervisor who was in charge of diving operations and, if available, a medical officer. If it is not possible for the Diving Supervisor to attend, the patient must be accompanied by another diver who knows the full details of the case.

(4) If a civilian-manned chamber is to be used, the Diving Supervisor must accompany the patient and be responsible for treatment.

(5) Oxygen should be administered from the time of diagnosis to arrival at the chamber.

b. **If there is no chamber** in which the patient can be treated, consideration must be given to dressing the diver and sending him down again. **Success is uncertain** and if the diver is brought up too quickly after recompression due to adverse conditions in the water,the symptoms **may recur in more severe form** than they were originally. Sufficient compressed air for the duration of the treatment is obviously essential and the diver is to be dressed quickly and sent down with another diver to attend him. The diver is to be supported, eg, a suspended chair and the efficiency of the support and the degree of exhaustion of the diver is to be taken into account when deciding which Table is to be used.

c. The diver is to be lowered to 100 feet and is to remain at this maximum depth for five minutes. He is then to be brought back to the surface in accordance with Table 8A if this is at all possible. Conditions of cold, tide, weather and the exhaustion of the diver may make it necessary to bring the diver up on Table 8B but this reduces the chances of success of these heroic measures.

Therapeutic Recompression in One-man Recompression Chamber

15. a. One-man recompression chambers are provided for surface decompression (particularly in Minehunters) but they can be used in an emergency for the treatment of decompression sickness. However, apart from the confined space within them, they have two other major disadvantages:

(1) An attendant or doctor cannot enter to be with the patient.

(2) When the patient is under pressure there is no means of access for food, hygiene or treatment.

b. For these reasons if a **two-compartment chamber** is available it should **always** be used. Successful treatments can, and have been, carried out in one-man chambers, although conditions may be extremely uncomfortable and unpleasant.

c. If serious symptoms are present, the patient should be recompressed in the one-man chamber without delay. If only mild joint pain is present the patient may be kept in the vicinity of a one-man chamber pending treatment in a two-compartment chamber **provided** that the delay between the onset of symptoms and arrival of the patient at the two-compartment chamber is less than two hours. If only mild joint pain is present, air transfer (below 1,000 feet altitude) is possible provided that the hazardous interval, during which the patient is away from the immediate vicinity of both chambers, is less than 15 minutes. However, if joint pain markedly worsens, or a new site is affeced, or if any of the more serious symptoms occur, treatment is **not** to be delayed further and the one-man chamber is to be used.

d. As far as is practicable, treatment is to be governed by the same rules as those for treatment in larger chambers. If the patient is unconscious, there is a danger that vomit may be inhaled. He is to be placed in the chamber prone and the head is to be turned to one side with the airway clear. The transfer of a patient from a one-man chamber to a two-compartment chamber, by a surface decompression technique, should only be considered in a real emergency, and then only on the advice of a medical officer, preferably one qualified and experienced in diving physiology (Paragraph 5). However, the patient within a one-man chamber should be taken to the vicinity of a two-compartment chamber, if this is possible, so that should symptoms recur after surfacing the patient can be treated in the large chamber. A transfer under pressure system can be improvised.

e. A one-man chamber containing a man is not to be lifted by helicopter.

f. In view of the limitations referred to above it is recommended that the following be kept readily available for all one-man chambers:

(1) About six pints of fresh water in suitable containers with a length of non-collapsible flexible polythene tubing to assist drinking.

(2) Glucose sweets.

(3) Other food.

(4) Reading material.

(5) Writing pad and pencil.

(6) Fireproof mattress.

(7) Fireproof blanket.

(8) Urine bottle with stopper.

(9) Towel.

(10) Box of paper tissues.

g. Due to its small size it will be necessary to vent a one-man chamber more frequently than a larger one.

h. In hot conditions salt tablets and extra fluids should also be provided for the patient. The chamber should be kept in the shade and cooled as necessary by directing fans onto wet towels placed over the chamber. The temperature within is to be determined by the comfort of patient. A mercury thermometer is not allowed within the chamber.

Method of Treating Pulmonary Barotrauna Using a Multi-man Chamber

16. a. Use recompression with air at the fastest rate that can be tolerated by the patient to 165 feet.

b. Decompression in accordance with Table 5 (B-E). If symptoms are fully relieved on arrival at 165 feet use Table 5C. If symptoms are not fully relieved on arrival at 165 feet seek medical advice and meanwhile use Table 5D if O_2 is available or 5E if O_2 is unavailable. Where medical advice is available and the symptoms indicate that further relief is needed, Table 7 may be used, ie, maximum compression using air descent to 230 feet.

Note: If there has been delay in instituting treatment and if **medical advice is available** use Table 6B, ie, oxygen at 60 feet.

Oxygen Administration, Rules, Routines, Reactions and Precautions

17. a. *If Oxygen Intolerance Occurs or is Anticipated*

(1) Halt ascent, remove mask at once, maintain depth constant.

(2) Protect a convulsing patient from injury due to violent contact with fixtures, deckplates or hull, but do not forcefully oppose convulsive movements.

(3) With a padded mouthbit protect the tongue of a convulsing patient.

(4) For non-convulsive reactions, have patient hyperventilate—with chamber air for several breaths.

(5) Administer sedative drugs upon direction of a medical officer.

(6) Fifteen minutes after the reaction has entirely subsided resume the schedule at the point of its interruption.

(7) If the reaction occurred at 60 feet, on the 135 minute schedule upon arrival at 30 feet switch to 285 minutes schedule (15 minutes air–60 minutes oxygen, 15 minutes air–60 minutes oxygen).

b. *Oxygen Reactions—Symptoms*

Twitching (fascinculations or tremors) of facial muscles and lips, nausea, dizziness and vertigo, vomiting, convulsions, anxiety, confusion, restlessness and irritability, malaise, disturbances of vision and narrowing of visual fields, inco-ordination, tremors of arms or legs, numbness or 'tingling' of fingers or toes, fainting, spasmodic breathing.

c. *Oxygen Administration Preparedness*

(1) Sufficient cylinder supply.
(2) Demand valves operative.
(3) Emergency kit stocked.
(4) Tenders trained to manage reactions.
(5) O_2 humidified if possible.
(6) Depth gauges currently calibrated.

d. *Oxygen Administration Routine Practices*

(1) Ensure patient is as comfortable as possible.
(2) Patient at complete rest.
(3) Ensure snug face-mask fit.
(4) Follow air-O_2 schedule closely.
(5) Be alert for signs or symptoms of reactions.
(6) Patient to take a few deep breaths every five minutes during treatment.
(7) Fireproof clothing must be worn.

e. *Fire Warning*

Danger of ignition and propagation of fire is increased under pressure as O_2 is exhaled into the chamber atmosphere the hazard is magnified. Ample ventilation must be provided. Do not use electrical appliances, keep combustibles clear of the chamber.

ANNEX A

Air Recompression Therapies—Table 5

Descent time is NOT included with bottom time.

Record elapsed time (which is given below as hours and minutes in brackets) *from the time of arrival at maximum pressure.*

Stoppage in hours (hr) and minutes (m) at different gauge pressures and depths. Time of leaving (L) a stop is also given.

Ascent between each stoppage is to take five minutes and has not been included in the times.

Patient is to remain in chamber for at least one minute after arrival on surface.

ANNEX A—*continued*

psig	*Feet Sea-water*	*5A*	*5B*	*5C*	*5D*	*5E*
73.4	165	—	30m (L00 30)	30m (L00 30)	2hr (L02 00)	2hr (L02 00)
62.3	140	—	12m (L00 47)	12m (L00 47)	30m (L02 35)	30m (L02 35)
53.4	120	—	12m (L01 04)	12m (L01 04)	30m (L03 10)	30m (L03 10)
44.5	100	30m (L00 30)	12m (L01 21)	12m (L01 21)	30m (L03 45)	30m (L03 45)
35.6	80	12m (L00 47)	12m (L01 38)	12m (L01 38)	30m (L04 20)	30m (L04 20)
26.7	60	30m (L01 22)	30m (L02 13)	30m (L02 13)	6hr (L10 25)	6hr (L10 25)
22.3	50	30m (L01 57)	30m (L02 48)	30m (L02 48)	6hr (L16 30)	6hr (L16 30)
17.8	40	30m (L02 32)	30m (L03 23)	30m (L03 23)	6hr (L22 35)	6hr (L22 35)
13.4	30	1hr (L03 37)	2hr (L05 28)	12hr (115 28)	11hr (Air)	12hr (L34 40)
					1hr (O_2) (L34 40)	
8.9	20	1hr (L04 42)	2hr (L07 33)	2hr (L17 33)	1hr (Air)	4hr (L38 45)
					1hr (O_2) (L36 45)	
4.5	10	2hr (L06 47)	2hr (L09 38)	2hr (L19 38)	1hr (Air)	4hr (L42 50)
					1hr (O_2) (L38 50)	
Surface		Arrive 06 52	Arrive 09 43	Arrive 19 43	Arrive 38 55	Arrive 42 55

ANNEX B

Table 6

Oxygen Recompression Therapies

Commence oxygen breathing prior to descent; the attendant may remain on air unless it is a repetitive dive for him or the treatment schedule is lengthened in which case he must breathe oxygen for the final 30 feet to the surface.

Descend in one to two minutes; descent time is NOT included with bottom time. If serious symptoms are present descend as rapidly as possible. If symptoms are of pain only do not exceed a rate tolerable to the patient.

Record elapsed time from the time of arrival at 60 feet.

Ascent is at a continuous bleed rate 1 foot/minute; do not compensate for slowing by subsequent acceleration. If necessary halt ascent if rate has been exceeded. Also halt chamber if rate cannot be maintained accurately during flushing of chamber.

Oxygen toxicity has not yet occurred on these tables but the attendant and supervisor must be prepared in case it does. If so, halt ascent, remove mask, maintain depth, protect the tongue of convulsing patient, protect him from injuring himself, 15 minutes after fit or other reaction is over continue ascent on Table 5E.

Treatment 6A

Elapsed Time (hrs and mins)	*Depth*		*Breathing mixture*	*Duration*
	psig	*ft seawater*		
00.00	26.7	60	O_2	20m
00.20			Air	5m
00.25			O_2	20m
00.45	Begin Ascent		O_2	30m
01.15	13.4	30	Air	5m
01.20			O_2	20m
01.40			Air	5m
01.45	Begin Ascent		O_2	30m
02.15	Arrive Surface		Air	—

Treatment 6B

Elapsed Time (hrs and mins)	*Depth*		*Breathing mixture*	*Duration*
	psig	*ft seawater*		
00.00	26.7	60	O_2	20m
00.20			Air	5m
00.25			O_2	20m
00.45			Air	5m
00.50			O_2	20m
01.10			Air	5m
01.15	Begin Ascent		O_2	30m
01.45	13.4	30	Air	15m
02.00			O_2	60m
03.00			Air	15m
03.15			O_2	60m
04.15	Begin Ascent		O_2	30m
04.45	Arrive Surface		Air	—

ANNEX C

Table 7

Maximum Recompression Using Air

(Only to be used on the advice of a medical officer experienced in diving physiology—*see* Paragraph 5)

Descent from, and previous time at, 165 feet or below is not included in bottom time.

Maximum pressure may be less than given and depends on maximum working pressure of the chamber available.

Record elapsed time (which is given below in hours and minutes) from time of arrival to maximum pressure.

Ascent is to be continuous at the rates indicated. Do not compensate for slowing by subsequent acceleration. Halt ascent if rate has been unintentionally exceeded. Also halt chamber if rate cannot be maintained accurately during flushing of chamber or use of air lock. (Particular attention is required for the last few feet; if air begins to escape around door seal, compensation by admitting more compressed air may be needed. The gauges may indicate arrival on the surface while there are still some inches of water pressure within the chamber, and in this circumstance continue to vent at the established rate until equalised.)

Elapsed Time (hrs and mins)	*Depth*		*Stoppage*	*Rate of Ascent*
	psig	*ft seawater*		
00.00	102.2	At 230	30	—
00.30	102.2	L 230	—	6 ft/min
00.35	88.9	L 200	—	15 ft/hr
03.35	68.9	L 155	—	10 ft/hr
07.05	53.3	L 120	—	6 ft/hr
15.25	31.1	L 70	—	4 ft/hr
22.55	17.8	L 40	—	2 ft/hr
Approx 42.55	Arrive Surface		—	—

ANNEX D

Table 8

Emergency Treatment in the Water

Descent is to take about one minute and is not included in bottom time. *Elapsed* time begins on arrival at 100 feet.

Treatment 8A

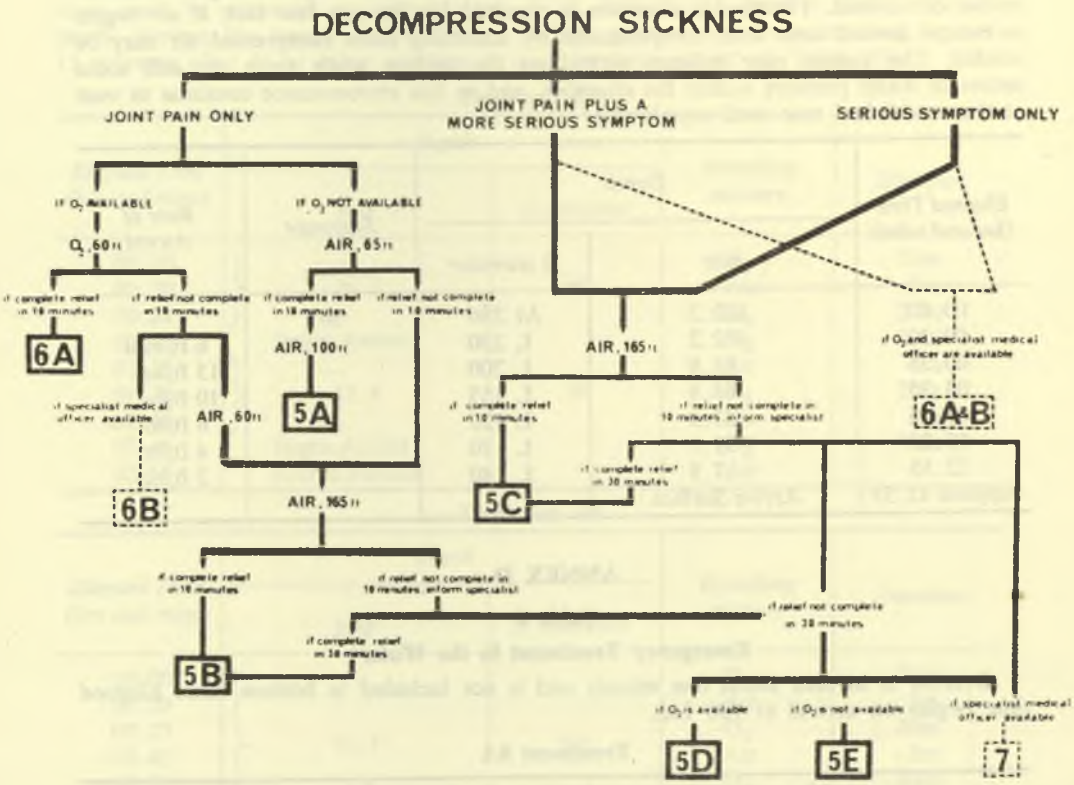
Elapsed Time	*Depth*	*Stoppage*	*Rate of Ascent*
00.00	At 100	5	—
00.05	L 100	—	2 ft per 3 mins
00.50	L 70	—	2 ft per 5 mins
02.17½	L 35	—	2 ft per 8 mins
04.37½	Arrive Surface	—	—

ANNEX D—*continued*

Treatment 8B

Elapsed Time	*Depth*	*Stoppage*	*Rate of Ascent*
00.00	At 100	5	—
00.05	L 100	—	2 ft per 1 min
00.20	L 70	—	2 ft per 2 mins
00.55	L 35	—	2 ft per 3 mins
01.10	L 25	—	2 ft per 5 mins
02.12½	Arrive Surface	—	—

ANNEX E



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ANOs 77-89/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
4 March 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

77—Quarantine Regulations—Granting of Pratique to Naval Ships

1. The quarantine procedure for granting pratique to naval ships has recently been amended to provide for naval aircraft carried on aircraft carriers.

2. Radio-pratique will continue to be granted to ships of the Royal Australian Navy, the Royal New Zealand Navy and the Royal Navy and at the same time will be granted automatically to their aircraft, provided that:

a. The ships, or where there is more than one ship, the flag ship of the Flotilla or Squadron, carries a Medical Officer; and

b. a satisfactory radio message is received by the Quarantine Officer of the port to which the request for radio-pratique is directed approximately 24 hours, but not less than 12 hours, prior to the estimated time of arrival of ship or ships. The message may be sent through the Flag or Naval Officer-in-Charge or Local Naval representative or authority.

The wireless message in order to be satisfactory must include, in addition to the name of the ship and details of arrival, the following information:

(1) that all persons on board are currently vaccinated against smallpox (to be currently vaccinated against smallpox a person must have been satisfactorily revaccinated not more than three years prior to arrival or, in the case of a primary vaccination, not more than three years and not less than eight days prior to arrival in Australia);

(2) that there is on board no case of quarantinable disease or suspected quarantinable disease, nor has there been any such case during the current voyage;

(3) that there is on board no case of chickenpox, nor has there been any such case during the current voyage;

(4) details of any other infectious disease present on board the ship at the time that the message is transmitted or which has occurred during the current voyage;

(5) that all aircraft on board the ship (if any) have been disinsectised since leaving the last overseas port, are free of soil and other debris and are not carrying quarantinable food items (emergency air rations excepted); and

(6) a request for radio-pratique.

3. Radio-pratique, if granted, will apply to all Australian ports. This will be subject to collection at the first port of entry of a satisfactory Form Q17 which is entitled 'Health Report for War Vessels' (in duplicate).

4. When radio-pratique is granted:

a. the ship(s) may proceed direct to a berth without boarding by a Quarantine Officer and without displaying the quarantine signal; and

b. aircraft from the ship may fly freely between the ship and Australia without being subject to quarantine formalities on arrival at an Australian airport.

5. After berthing at its first port of entry into Australia, Form Q17 (in duplicate), signed by the Commanding Officer and by the Medical Officer, will be collected by a

member of the Commonwealth Department of Healths quarantine staff unless satisfactory alternative arrangements have been made with the local naval authority or representative for these documents to be delivered promptly to the local Quarantine Officer by a member of the Navy.

6. When radio-pratique is not granted to a ship of the Royal Australian Navy, the Royal Navy or the Royal New Zealand Navy, the ship will display the quarantine signal and await inspection by a Quarantine Officer at a mooring ground outside the quarantine line at its first port of entry into Australia. Radio-pratique will not be granted if:

a. any person on board the ship is not currently vaccinated against smallpox;

b. any person on board the ship is, or has been, during the current voyage suffering from a quarantinable disease (smallpox, cholera, yellow fever, typhus fever or leprosy);

c. any person on board the ship is, or has been during the current voyage suffering from chickenpox.

7. Naval ships not carrying a Medical Officer (other than those in company with a ship which is carrying a Medical Officer) are not eligible for the concession of radio-pratique. These ships are required to display the quarantine signal on arrival within one league of the first port of entry into Australia and await boarding and inspection by a Quarantine Officer at a mooring ground outside the quarantine line unless the Quarantine Officer for the port has specifically authorised the ship to cross the quarantine line and proceed to a berth prior to inspection. Even in the latter event, the ship will still be required to display the quarantine signal until pratique is granted by the Quarantine Officer.

8. Naval Ships not carrying a Medical Officer must, not more than 24 hours and not less than 12 hours, prior to the estimated time of arrival at their first port of entry into Australia, forward to the Quarantine Officer for that port a radio message setting out the following information:

a. The name of the ship and estimated time of arrival at the port;

b. Confirmation that there is no case of infectious disease on board. If there is a case or suspected case of infectious disease on board the vessel at the time that the message is transmitted or has occurred during the current voyage, details will be required in the radio message.

c. Confirmation that all persons on board the ships are currently vaccinated against smallpox (to be currently vaccinated against smallpox, a person must have been satisfactorily revaccinated not more than three years prior to arrival, or in the case of a primary vaccination not more than three years and not less than eight days, prior to arrival in Australia).

d. A request for pratique.

9. RI 2602 will be amended in due course.

(AS (NS) 156/1/9)

Section 2
PERSONNEL

UNCLASSIFIED

78—Emergency Travel to and from Oversea Place of Duty

1. Conditions relating to the transfer of compassionate leave travel entitlements for members serving oversea have been broadened, and the following are effective forthwith:

a. *Transfer of travel entitlement to wife*

Where a member is serving on long term duty oversea, any entitlement to compassionate leave travel from the oversea post may be transferred to his wife, provided that:

(1) the wife had travelled to the oversea post at Departmental expense; and

(2) compassionate leave had been granted to the member, or would have been so granted but for the exigencies of the Service, in respect of a child who had been left in Australia and is seriously ill or dies, or who in some other way justifies a grant of compassionate leave to the member; and

(3) the member is prevented by the exigencies of the Service from taking the compassionate leave, or prefers that his wife should utilise the compassionate leave travel entitlement in his place.

Transfer of entitlements is subject to *all* the conditions in Sub-paragraphs (1), (2) and (3) above being fulfilled.

Where it is subsequently necessary for the member to join his wife in Australia in connection with such compassionate travel, he will have no entitlement to travel at Departmental expense. For the purposes of considering transfer of entitlement to travel, the definition 'child' will be defined for entitlement to travel at Departmental expense by a child when accompanying a member on long term duty oversea.

b. *Special provisions for Emergency Travel*

The following provisions for emergency travel at Departmental expense of a person other than the member between the post and Australia will also apply:

(1) In cases of very serious illness, with the probability of death, of a parent or child of the members wife, details or other suitable evidence should be submitted for determination by the Naval Board to permit reunion of the members wife with her parent or child in Australia.

(2) Other cases of travel may also be submitted to Navy Office. Details supported by medical or other suitable evidence should be submitted for consideration in the following types of cases, each of which will be examined on its merits:

(a) cases similar to, but not fully in accordance with those described in Sub-paragraph (1) of this paragraph;

(b) the travel of another person to the post in the case of very serious illness, with the probability of death, of a members wife or child while at the post, or, in respect of children being educated in Great Britain and for whom Child Education Allowance is payable, the travel of a members wife or close relative to Great Britain;

(c) the very serious illness, with the probability of death, of close relatives other than those mentioned in Sub-paragraph (1) of this paragraph, where in addition past relationship has been very close;

(d) where upon the death of a very close relative, and in the absence of any equally close relative or other suitable person, the members wife desires to attend the funeral or it is claimed to be necessary for the members wife to return to attend to arrangements made necessary by the death;

(e) where upon the death of one parent or member of a family it is claimed that the presence of a members wife is necessary for the welfare of the surviving parent or member of the family;

(f) where the travel of more than one person is claimed to be necessary in cases of clear emergency.

c. *Payment of fares*

The following conditions will apply in cases of emergency travel authorised for a person other than a member unless otherwise approved by the Naval Board:

(1) Fares to be met by the Department will not exceed for any person the return tourist class air fare between the post and Australia, or if appropriate, the post and Great Britain;

(2) payment will be considered only in respect of travel between the post and Australia, or between the post and Great Britain;

(3) fares will be considered only once during a posting in respect of the same person whose condition gave rise to the travel requirement, and a subsequent illness or the decease of that person, will not normally give any entitlement for a second journey; and

(4) fares for only one person will be paid in respect of an emergency.

2. In cases considered under Paragraph 1 b, the presence of an equally close relative at, or available to attend at, the place of emergency will be an important factor.

3. Departmental liability for fares of the member, or a person other than the member, will cease at the locality within Australia which was defined as the members home town immediately prior to posting oversea. Further travel within Australia will be the responsibility of the member.

4. RI will be amended in due course.

(HPB 252/4/46)

UNCLASSIFIED

79—Introduction of Minor War Vessels Coxswains Bridge Watchkeeping Certificate

1. Of necessity only two or three officers will be borne in most RAN Minor War Vessels in the foreseeable future. In order to assist these officers and with a view to enhancing the status of senior sailors by providing the opportunity to assume greater responsibilities it has been decided to introduce a Minor War Vessels Coxswains Bridge Watchkeeping Certificate for which all Seamen Chief Petty Officers posted to patrol boats Minesweepers, Minehunters and HMA Ships KIMBLA and PALUMA for coxswain duties will be expected to qualify.

Pre-commissioning Training

2. Selected sailors will undergo PCT as follows:

Course 902490—Minor War Vessels Coxswain Course (OOW DUTIES)

a. At HMAS WATSON—four weeks:

(1) General Navigation, Ship Handling and Rule of the Road, elementary Fleet Work, Voice Procedure.

(2) Practical Ship Handling (in conjunction with HMAS WATERHEN).

b. Sailors of the Coxswain Category will undergo a victualling course, the details of which will be promulgated separately.

c. Should a sailor of a category, other than the Coxswain category, be posted for Coxswains duties he will be given a special course covering Organisation, First Aid, Victualling and Discipline.

Conditions of Award

3. The following conditions are applicable to the award of Minor War Vessels Coxswains Bridge Watchkeeping Certificate—Qualification No 02490:

a. Successful completion of course 902490.

b. A minimum of four months sea experience performing the duties of a Coxswain of a Minor War Vessel before award of the certificate for watchkeeping by day only (sunrise to sunset).

c. A further two months sea experience before awarding a full certificate to include night watchkeeping.

d. The certificate is only to be awarded by the Captain of a Minor War Vessel.

4. Sometimes it will be necessary for the Coxswains to be employed on watchkeeping duties in areas where local knowledge is of great importance. Captains may therefore wish to allow these sailors a period for familiarisation as assistant Officer-of-the Watch. The duration of such periods is at the discretion of the Captain.

5. The form of the certificate is to state that the Chief Petty Officer/Petty Officer concerned 'Has a sound knowledge of the duties laid down in Annex A to Navy Order 79 of 1970 and is competent to take charge of a watch at sea in a Minor War Vessel'. Two copies each are to be completed, one being presented to the sailor concerned and one retained in the ship. Form PA6 is to be raised in order that the appropriate qualification number can be recorded on the sailors service record.

6. The Naval Board wish to make it quite clear that the award of this certificate will not restrict future sea service of sailors concerned to Minor War Vessels of the RAN.

7. This order replaces Navy Order 5 of 1969 which is cancelled.

ANNEX A

General Responsibilities and Duties of the Minor War Vessels Coxswain of The Watch

The following are the general responsibilities and duties of the sailor holding a Minor War Vessel Coxswains Bridge Watchkeeping Certificate when acting as Minor War Vessels Coxswain of the watch at sea.

General Responsibilities

Safety of the Ship

1. The Minor War Vessel Coxswain of the watch is responsible for the safety of the ship in all its aspects particularly her safety from collision and grounding subject to any order that he receives from the Captain.

Conduct and Appearance

2. *He is responsible for:*
   a. the outward appearance of the ship;
   b. the safety and orderly conduct of all on board;
   c. appropriate marks of respect being paid to passing vessels;
   d. routine duties on deck being properly carried out.

Before Taking Charge of a Watch

3. *The coxswain of the watch:*
   a. on every occasion before taking charge of a watch is to ensure that the ship is in her correct station or position;
   b. if the ship is out of station or position, is not to take over until the Captain has been informed and his order received to take charge. Under these circumstances the Captain is to direct what action is to be taken.

After Taking Charge of the Watch

4. *The coxswain of the watch:*
   a. is not until properly relieved to leave the primary conning position unless otherwise directed by the Captain;
   b. is to be careful that all signals are recorded as the Captain directs;
   c. is to inform the Captain of all occurrences worthy of notice;
   d. at the end of the watch is to ensure that the ships log and magazine log have been properly written up and initial them.

Rounds

5. The coxswain of the watch is to ensure that a sailor goes round visting every part of the ship on frequent occasions at night.

Radio, Radar and Exhaust Precautions

6. Before granting permission for any sailor to proceed aloft or into the vicinity of any radio or radar aerials or exhaust pipes the coxswain of the watch is to ensure that it is safe for them to do so.

On Being Relieved

7. On giving up charge of the watch the coxswain of the watch is to inform his relief:
   a. of all orders whether conveyed by signal or otherwise that remain unexecuted;
   b. when in company with other ships of the position of:
      (1) the officer in tactical command;
      (2) the guide;
      (3) other ships;
   c. of all information which is likely to enable him to keep the ship out of danger and in an efficient state.

General Duties

8. The coxswain of the watch is to carry out the following duties in addition to those prescribed above.

Relieved of Duties by the Captain

9. All the duties and responsibilities of the coxswain of the watch at sea remain with him wherever the Captain may be unless he is relieved of all or any of them by specific order of the Captain. If the Captain gives a direct wheel or engine order he will be deemed to have relieved the coxswain of the watch of his responsibility for handling the ship.

Resumption of Relieved Duties

10. When the Captain has relieved the coxswain of the watch of some or all of his duties and responsibilities the coxswain of the watch is not to resume the duties and responsibilities of which he has been relieved unless and until the Captain specifically orders him so to do. Before giving such an order the Captain is to satisfy himself that the coxswain of the watch is ready and able to resume these duties and responsibilities.

Insufficient Information

11. If at any time the coxswain of the watch feels that he has or is likely to receive insufficient information on which to discharge these duties fully he is to inform the Captain without delay.

Position of the Ship

12. At all times so far as practicable the coxswain of the watch is to keep himself informed of the position of the ship.

Course, Distance, Notations in the Ships Log

13. *He is to be careful that:*
   a. the ship is properly steered;
   b. a correct account of her way is kept by using the log and engine revolutions;
   c. the notations necessary to reconstruct the track of the ship are made in the ships log.

Station Keeping

14. When in company with other ships he:
   a. is to keep station with other ships;
   b. if unable to keep station is immediately to report to the Captain.

Altering Course and Speed

15. The coxswain of the watch is to alter course and speed as requisite:
   a. to maintain station;
   b. to avoid immediate danger.

On all other occasions he is not to alter the course or the speed without directions from the Captain.

Lookout

16. He is to ensure that a proper lookout is kept.

Important Occurrences

17. The coxswain of the watch is to inform the Captain or cause him to be informed of:

a. strange vessels sighted;

b. signals of which in his opinion or in accordance with the Captains orders the Captain should be made immediately aware;

c. changes of formation course or speed.

Approaching Land or in Pilotage Waters

18. When approaching land or in pilotage waters the coxswain of the watch is to ascertain:

a. whether land or lights are in sight and if not;

b. whether any are likely to be seen;

c. all other particulars which may be of use in keeping the ship out of danger;

d. the Captains instruction regarding the use of radar and other navigational aids as well as the taking of soundings and the clearing away of anchors and cables.

Safety of Men on the Upper Deck

19. He is to give the necessary orders to prevent any person going on the upper deck when weather conditions or alterations of course are likely to make it dangerous.

Navigation Lights

20. He is responsible that the authorised navigation lights are displayed between the hours of sunset and sunrise and that no lights are displayed from outboard which might cause authorised lights of the ship to be obscured or mistaken. Unless specifically ordered by the senior officer present masthead obstruction lights are only to be burned when it is clear that the ships mast constitutes a hazard to aircraft operation in the vicinity.

Visual and Sound Signals

21. He is to take care that a good lookout is kept for all visual signals and that a careful listening watch is kept for sound signals when appropriate; and that no unauthorised visual or sound signals are made; and that all apparatus necessary for making signals is in good order and ready for instant use.

Watertight Integrity

22. *The coxswain of the watch:*

a. is to make himself aware of the watertight state of the ship;

b. is to have control of the opening and closing of compartments as the Captain may direct;

c. when the possibility of collision or grounding exists is not to allow the opening of compartments which may endanger the ships watertight integrity;

d. is to keep a record of the opening and closing of watertight compartments as the Captain directs.

Routine Duties

23. He is to ensure that the necessary orders are given for carrying out the routine duties of the ship.

Readiness of Life-saving Equipment

24. He is responsible that life-saving equipment is ready for immediate use.

Fishing Gear

25. He is to take every precaution to avoid damaging fishing gear.

(HPB 303/21/154)

(*Navy Orders 5 of 1969 and 79 of 1970*)

UNCLASSIFIED

80—Officers—SD List—Transfer to the General List—Conditions

1. With reference to RI 0558 the Naval Board have decided that the following conditions shall apply to the transfer of officers of the Special Duties List to the General List:

a. An officer will not normally be selected for transfer with less than one years seniority as a Lieutenant SD, nor if he is over the age of 35 years.

b. Transfer will be in the rank of Lieutenant GL with original seniority as Lieutenant SD; but an officer transferred will be required to serve a minimum of three years as a Lieutenant on the General List before promotion to Lieutenant-Commander.

c. Promotion to the rank of Lieutenant-Commander GL will be made on attaining eight years seniority as a Lieutenant, SD and GL combined, or at age 38, whichever is the earlier; provided the minimum period of three years has been actually served as a Lieutenant on the General List.

d. The zone for promotion to Commander GL of officers transferred will be from age 36 as a Lieutenant-Commander, to age 45.

2. When making recommendations Reporting Officers should take account of the following:

a. Officers recommended for transfer must compare favourably with GL officers, particularly in professional competence. Therefore to qualify for recommendation the officer must be so outstanding that he would have good prospects of promotion to Commander GL in competition with other GL officers.

b. The SD List officer should not only compare favourably with the GL officer in the performance of his duties but should also show that he would be likely to do well in any of the wider range of posts which he would be required to hold after transfer.

3. Recommendations for transfer are to be forwarded at the same time as the Half-Yearly Recommendations for promotion of officers of the SD List, ie, 15 February and 15 August, irrespective of the rank or seniority of the officer concerned, provided he is under 35 on the appropriate date. Recommendations for transfer must include a certificate by the Reporting Officer to the effect that, in his opinion, if the officer is transferred to the General List he will be a good prospect for promotion to Commander GL. This certificate must be endorsed by the appropriate Administrative Authority.

4. If, after he has one years service as a Lieutenant SD, the recommendations are approved by the Naval Board, the officer will be asked to signify his willingness to transfer to the General List. Subject to his willingness transfer will be effected and the date of transfer promulgated in Navy Orders.

5. The affect on DFRB contributions and pension entitlements is dependent on many factors, eg, age on entry to the Fund, age on transfer, whether the officer has frozen contributions, etc, and the matter is further complicated by the higher category of Lieutenants SD and a reduction in retiring age on transfer to the General List.

6. For these reasons each individual case requires separate calculations both in relation to contributions and pension, and at the same time these can vary with certain options which are available to the officer on transfer.

7. Full details concerning these matters will be provided in each case as soon as possible after receipt of the names of recommended officers.

8. These conditions will be included in RI.

(DAPO 303/1/77)

UNCLASSIFIED

81—Short Term Duty Travelling Allowance

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 436 of 1969 as amended by Navy Order 541 of 1969 have been further amended as follows:

Table A.

Delete the rates for UAR-Egypt, Netherlands, Hong Kong and *insert* the following rates in their stead and *insert* new rates for Iran:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		Leut, Leut (SD) or Relative Rank, Officers of Lower Rank and Sailors	*Capt, Cmdr, Cmdr (SD) or Relative Rank Lt Cmdr, Lt Cmdr (SD) or Relative Rank*	*Cdre and above*
UAR Egypt ..	£Eg	7.750	10.000	12.250
Hong Kong ..	$HK	117	137	157
Iran ..	Rials	1,800	2,030	2,260
Netherlands ..	Florins	75	85	105

2. The effective date for changes in rates or inclusion of new rates in the above tables are as follows:

a. UAR-Egypt .. from 24 April 1969.

b. Hong Kong .. from 19 September 1969.

c. Iran .. from 18 July 1969.

d. Hong Kong .. from 19 September 1969.

(HPB 252/7/26)

(*Navy Orders 436 and 541 of 1969*)

UNCLASSIFIED

82—Training and Employment of Writer Sailors

1. The Naval Board are aware that despite the advent of EDP, regulations grow increasingly complex in todays Navy. This fact, together with additional responsibilities, eg, Data transcription, mean that Writer sailors now require a broader range of knowledge than before. To some extent, this added requirement is reflected in the Writers course syllabus, but much of the expertise required of a Writer, as with any other sailor, must inevitably come from experience gained on the job.

2. Ordinary Seamen (Writers) undergo an 80 day basic course for promotion to the Able rank, as shown in Article 1911 of ABR 27 Volume II. In addition, a further 20 days are spent undergoing a Defence Department EDP procedures acquaint course, during which an elementary knowledge of data punching and transcription procedures is acquired. It will be readily appreciated that on completion of these basic courses, Writer sailors are equipped only to perform routine tasks, and for some time, require extensive supervision. It is not until selected for course for Petty Officer rank that these sailors again have the opportunity for programmed or assisted study. As with other categories, great importance is therefore placed on knowledge gained by experience.

3. To this end Captains are urged to ensure that Writer sailors in ships and establishments under their command are given the opportunity to acquire a range of experience as wide as possible in the prevailing circumstances. This opportunity, it is considered, can only be achieved by rotating Writers and Leading Writers at regular intervals between their various functions; Secretarial, pay, accounts, EDP, removals and other entitlements, etc.

4. The Naval Board appreciate that such internal movement is not always possible in small ships or establishments with complements of only one or two Writer sailors. It is realised also that a certain amount of disruption may be caused to office routines. In the interests of the sailors concerned, such disruption must be accepted.

(D of T 311/4/272)

UNCLASSIFIED

83—Transit Allowance

1. The provisions governing payment of Transit Allowance to married accompanied members posted oversea on long or intermediate term duty and who are required to spend a short period in another country en route to or from the oversea place of duty have been varied. The variation is shown as it affects NPI 105/307:

Delete **Paragraph** 1 (b)(i), (ii) and (iii) and *insert* the following in lieu:

'(b) a married accompanied member (ie, married whose family travels at Departmental expense) is to be paid:

(i) Short Term Duty Travelling Allowance at the rate specified for 'other countries' as shown in Navy Order 436 of 1969 in respect of the member only; and

(ii) accounts for accommodation and meals at a standard appropriate to the members rank, in respect of the members wife and children up to age 21 years and other dependants whose fares have been met by the Department.'

2. NPI 105/307 should be noted pending amendment.

(HPB 252/4/113)

(*Navy Order 436 of 1969*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

84—Alteration and Addition Item—HMAS DIAMANTINA

The following Alteration and Addition Item is approved to be carried out in HMAS DIAMANTINA:

Class List Item No 657 (Ex TDL 'PLA').

a. *Item:* 'To improve laboratory layout and oceanographic facilities by fitting out in accordance with GMWD Drawing HD0226.'

b. Weight change for the item is considered to be negligible.

c. *Reference:* HMAS DIAMANTINAs Form AS1182 (TM168) TDL 'PLA' dated 14 September 1969.

(CNTS 1224/56/240)

UNCLASSIFIED

85—Alteration and Addition Item—HMAS KIMBLA

The following Alteration and Addition Item is approved to be carried out in HMAS KIMBLA:

Class List Item No 163 (Ex TDL 'AY').

a. *Item:* 'To extend the laboratory intercom system by fitting hand microphones at the following positions: Bridge, Wheelhouse, Boat deck cabin (Port) Boat deck cabin (Starboard), Foremast and Winch.'

b. No weight compensation is required for the additional 180 lb weight.

c. *Reference:* HMAS KIMBLAs Form AS1182 (TM168) TDL 'AY' dated 22 July 1969 forwarded under cover of FOCAF Memorandum dated 27 August 1969.

(CNTS 1232/51/112)

UNCLASSIFIED

86—Naval Stores General—HMA Ships—9920-66-026-5111—Ash Receiver Tobacco

The accounting classification of the Ash receiver tobacco, introduced by Navy Order 635 of 1969 is to be amended to read consumable.

(DSAP 400/1/197)

(*Navy Order 635 of 1969*)

UNCLASSIFIED

87—Naval Stores—Introduction—Group Class 2090—Catalogue No 66-031-3293—Repair Kit Plastic Boat—Permanent

Navy Order 669 of 1969 is to be amended as follows:

ANNEX B

(i) *Delete:* 8135-66-015-2184.
Add: 8135-66-015-2183 *in lieu.*

(ii) *Delete:* 8414-66-031-3285.
Add: 8415-66-031-3285 *in lieu.*

(DSAP 400/2/35)

(*Navy Order 669 of 1969*)

UNCLASSIFIED

88—Stores General (Group Class 5961)—Semi Conductor Devices and Associated Hardware—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made and will be effected from 17 March 1970:

	New Stock Number	
Catalogue Number	*Group Class*	*Catalogue Number*
00-879-1934	5961	00-849-4186
00-879-8173	5961	00-892-3315
00-890-7034	5961	00-833-3043
00-905-0733	5961	00-044-2606
00-932-9240	5961	00-068-0687
00-938-7629	5961	00-226-3828
00-977-5791	5961	00-921-3778
00-985-2051	5961	00-079-5958
00-995-0004	5961	00-752-6087
00-152-6134	5961	00-088-3903
00-303-8069	5961	00-337-6366
00-721-0175	5961	00-087-1078
00-954-7426	5961	00-951-8760
00-683-4444	5961	00-543-0432
00-056-2506	5961	00-577-6214
00-058-5007	5961	00-902-8820
00-446-4451	5961	00-846-9125
00-685-9279	5905	00-729-0487
00-854-6941	5961	00-069-2235
00-868-5991	5961	00-813-0772
00-765-6597	5961	00-682-8891
00-769-1036	5961	00-983-9782
00-824-9948	5961	00-995-2310

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number
00-831-0343	5961	00-866-0476
00-224-4870	5961	00-615-4309
00-709-0333	5961	00-806-7187
00-729-1124	5961	00-023-2924
00-152-6134	5961	00-088-3903
00-303-8069	5961	00-337-6366
00-721-0175	5961	00-087-1078
00-793-4073	5961	00-577-6214
00-837-9868	5961	00-851-8291
00-916-7769	5961	00-012-5036
00-964-8658	5961	00-837-7262
00-999-4547	5961	00-087-6047
00-913-4959	5961	00-069-2469
00-688-7266	5961	00-542-7308
00-830-2702	5961	00-845-2880
00-993-0706	5961	00-814-7078
00-954-9173	5961	00-964-8656
00-082-3481	5961	00-984-1175
00-572-4526	5961	00-978-7660
00-087-4672	5961	00-050-7309
00-752-0647	5961	00-952-3014
00-902-0315	5961	00-913-2072
00-905-0734	5961	00-902-8820
00-983-5990	5961	00-688-6316
00-054-6604	5961	00-852-7613
00-991-2273	5961	00-853-5954
00-189-6509	5960	00-538-5638
00-678-1466	5961	00-988-0088
00-662-7736	5961	00-023-2756
00-677-0838	5961	00-088-3903
00-752-5863	5961	00-855-7224
00-806-5603	5961	00-978-7465
00-826-0489	5961	00-846-0436
00-950-0529	5961	00-729-5499
00-912-7577	5961	00-786-0324
00-783-0096	5961	00-978-6476
00-446-0270	5961	00-284-6516
00-781-5602	5961	00-954-3087

2. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Article 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/54/387)

UNCLASSIFIED

89—Stores General (Group Class 5975)—Electrical Hardware and Supplies—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made and will be effected from 17 March 1970:

Catalogue Number	New Stock Number Group Class	New Stock Number Catalogue Number
00-295-9361	5975	00-557-2531
00-987-5353	5975	00-958-5705
00-296-0535	5310	00-208-5413
00-318-1639	5975	00-583-8248
00-705-8106	5975	00-099-5747
00-896-6356	5975	00-982-3289

2. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Article 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/71/194)

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HISTORIAN.

ANO 90/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
16 March 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

11522/70

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

90—Emergency Air Supply Equipment (EASE)

1. The Emergency Air Supply Equipment (EASE) has been introduced to be used in conjunction with the Surface Supply Breathing Apparatus. The EASE is a small, light weight cylinder carried on the divers back charged to 3,000 PSI air pressure, which will supply the diver should the air supply fail.

2. The EASE is to be used on all occasions when diving with SSBA equipment. The set has also been adapted for use by SAR Divers. Sets will be issued without demand to ships and authorities on the basis of one EASE for every SSBA. Issue will be made in order of priority and it is expected to be completed by mid 1970.

3. The equipment consists of:

Stock No *Group Class*	*Catalogue No*	*Description*
4220-66-034-3213		Harness, diving equipment; Bac-pac
4220-66-034-3214		Cylinder, compressed gas; 4 litre, aluminium, 3,000 PSI
4220-66-034-3215		Hose, low pressure non-return valve system
4220-66-034-3216		Hose, demand valve; complete with non-return valve
4220-66-035-0084		Reducing valve
0434-L90070		Demand valve

The total weight of the equipment is approximately 20 lb.

4. Demand valves will not be issued as they are already held. On receipt of the equipment, the demand valve hoses already held should be returned to store to enable them to be modified with non-return valves. A pressure gauge and charging connection will be issued to each authority.

Description of Components

5. a. *Bac Pac Harness*

This is a nylon-alloy contoured bac pac. The cylinder is securely attached by a stainless steel jubilee clip. The bac pac is secured to the wearer by a single adjustment terylene harness fitted with quick release buckles. An adjustable crupper strap is also provided to prevent any tendency for the harness to 'ride up' should any excessive strain be put on the air hose.

b. *Cylinder, Aluminium*

The cylinder is of aluminium alloy, and is 16.25 inches long and 5.9 inches in diameter. A control valve is incorporated into the cylinder and allowance is made to fit a reducer with a yoke fitting. Details of cylinder pressures and capacities as follows:

Test pressure	4,500 PSI
Working pressure (maximum)	3,000 PSI
Weight uncharged	18 lb
Nominal capacity	4 litres
Capacity at working pressure	28 cubic feet

c. *Reducing Valve*

The reducer is the porpoise 'Explorer' piston type reducing valve and is fitted to the cylinder with a yoke attachment. It is factory set to operate at a delivery pressure of approximately 100 PSI above the ambient water pressure. The operation and maintenance details of this reducer are given as Annexes A and B to this order.

d. *Reducer Low Pressure Hose Complete with Non-return Valve System*

The reducer low pressure hose connects the SSBA hose to the reducer. It has a bayonet connection at one end which connects it to the SSBA snap-release coupling. The non-return valve system on the other end has a knurled nut which is connected to the reducer outlet and a snap release coupling to which the demand valve hose is connected. (*See* Figure 1.)

Assembly

6. a. Fit the cylinder with the valve downwards and adjust for height, checking the cylinder control valve is readily accessible to the diver.

b. Gauge the cylinder pressure. As this equipment is a safety device, the pressure should always be in excess of 2,500 PSI.

c. Attach the reducing valve with the low pressure take off facing upwards. Do not overtighten the reducing valve yoke seal as this is an 'O' ring seal and overtightening can damage the seal.

d. Fit the non-return valve system and tighten the knurled nut finger tight.

e. Thread the demand valve hose through the right hand side of the bac pac and connect the male fitting to the snap release coupling on the non-return valve system.

f. Place the equipment on and secure the crupper strap by passing the waist belt through the adjustable loop of the strap. Adjust the crupper strap. Ensure the loop is over the buckle to enable it to be slipped quickly.

g. Lead the reducer low pressure hose under the right arm and connect to the SSBA snap release coupling on the right shoulder. (*See* Figures 2, 3, 4 and 5.)

Before Use Test

7. a. Turn on the cylinder valve, place the demand valve in the mouth and inhale a few times to check the air supply from the cylinder.

b. Turn off the cylinder valve and turn on the surface air supply. Inhale again to check the supply.

c. The equipment is now ready for use as an emergency air supply equipment. On entering the water the diver should be checked for leaks.

8. Other tests are as for CABA given in ABR 155 Article 0902. Details of the reducer are contained in Annexes A and B to this order.

Operation

9. a. In the event of a failure of the surface supply air, the diver should immediately turn on the cylinder control valve and ascend as convenient giving the appropriate lifeline signal.

b. The surface supply low pressure air passes through the reducer low pressure hose via the non-return valve (NRV) system through the demand valve hose to the diver. The lower NRV prevents the air pressure reaching the reducer. If the surface supply fails, the upper non-return valve in the NRV system prevents air escaping up the reducer low pressure hose. When

the cylinder control valve is operated, air passes via the reducer through the lower non-return valve to the demand valve hose and hence to the diver. The non-return valve is fitted to the end of the demand valve hose to prevent escape of air in the event of the hose being released accidently. Without the NRV serious lung damage could occur. (*See* Figure 6.)

Endurance

10. The two curves shown in Figure 7 give the appropriate endurances to be expected from the equipment at various depths for a diver carrying out light work using a normal average of 18 litres of air per minute, and for a diver swimming using a normal average of 40 litres per minute. It is emphasised these are average consumption rates and actual endurances may vary depending on the divers experience and fitness and the work being undertaken. The endurances shown assume the set is fully charged to 3,000 PSI and are given as a guide only.

Notes:

(1) The equipment can work automatically by leaving the cylinder control valve on. Any break down in the surface air supply pressure will then automatically allow the emergency supply air to take over and continue supplying the diver until the surface air pressure is again raised to 110 PSI above the ambient pressure.

THIS IS ENTIRELY DEPENDANT ON THE SURFACE ATTENDANTS CONTROL OF THE PRESSURE AND SHOULD NOT BE USED AS THE DIVER DOES NOT KNOW WHEN HE IS USING HIS EMERGENCY CYLINDER.

(2) It is possible for the diver to detach himself from the surface supply air hose and use the EASE for free diving. THIS IS NOT TO BE DONE.

11. Navy Order 28 of 1970 is hereby cancelled.

ANNEX A

Description of Operation of the Explorer Reducing Valve

General

1. The reducing valve is a single stage hydrostatically compensated valve which breaks down the high pressure from the cylinder to the required working pressure of 105 PSI ± 15 PSI.

2. An 'O' ring sealed, hollow stem piston, fitted with a valve seat in the end of the stem, is held in the 'Valve open' position by a compression spring fitted over the stem and bearing on the piston.

3. The spring chamber and the spring side of the piston head are open to water pressure admitted through a series of holes in the reducer bonnet, allowing hydrostatic compensation for depth.

Operation (*See* Figure 8)

4. On opening the cylinder valve, high pressure air passes through the sintered filter 15, the reserve supply disc (restrictor) 13, and through the low pressure take off connection 21, to the demand valve. At the same time, the air passes up the hollow stem of the piston, through an orifice in the piston head into the low pressure chamber formed by the piston in the bonnet.

5. When the incoming air reaches the present pressure 105 PSI ± 15 PSI, governed by the spring tension together with any additional ambient water pressure, the force generated by the air between the face of the piston and the bonnet chamber, overcomes the spring tension/water pressure, and causes the piston to move forward to close the valve seat 5, thus stopping any further high pressure flow.

ANNEX A—*continued*

6. When the demand valve is operated the air under pressure in the low pressure chamber is used, thus lowering the chamber pressure sufficiently for the spring tension/water pressure to move the piston back, with the resultant opening of the stem valve seat, so admitting a reflow of high pressure air.

7. When the incoming high pressure air again reaches the preset pressure of the spring/water, the piston is again moved forward to stop the high pressure air flow.

8. The movement of the piston opening and closing the high pressure valve seat in the stem occurs at such a rapid rate that it induces what is virtually a continuous flow of low pressure air at the required rate.

Safety

9. A spring loaded safety relief valve is fitted to the low pressure chamber of the reducer body, which in the event of any high pressure failure will automatically exhaust the excess air into the water.

10. The relief valve is designed as a 'one shot only' so that in the event of a spasmodic or intermittent failure of the high pressure system, the valve does not completely reseal, thereby insuring that the reducer is not used again before it is stripped and the fault rectified.

ANNEX B

Instructions for the Maintenance and Adjustment of the Porpoise Explorer Reducing Valve

After Diving

1. Wash thoroughly in fresh water and dry. If the reducing valve and associated air hoses and non-return valve system are removed from the cylinder for washing, then make sure that the Protection Cap 20, is fitted before immersion.

Monthly

2. Test and adjust. Attach the reducing valve to a fully charged cylinder, then connect the Low Pressure Take off 21, to the 0-200 PSI, Test Gauge. Before the cylinder is turned on, first open the bleed screw on the gauge. After flow begins, close bleed screw off slowly. Check that the pressure lies within the red sector of the test gauge (105 PSI ± 15 PSI). Allow the pressure to stand for approximately 10 minutes, should the gauge needle fluctuate outside the red sector within this period then the valve should be stripped and the seat replaced.

3. Adjustment to line pressure is made by inserting a spacer washer between the Reducer Body 7, and Spring 6. Each washer will add approximately 10 PSI.

4. Immerse the reducer in fresh water while still under pressure and check for leakage.

Annually or on Malfunction. Disassembly Procedure

5. Firmly grip the Bonnet 1 and screw off the reducer body. Remove the Piston 3, by hand. From piston remove the 'O' Ring Seals 2 and 4.

Note: Normally, it is not necessary to remove Seat 5, however, if required, push out the seat with a $\frac{1}{16}$ inch diameter rod 2 inches or 3 inches long, placed through the back end of the piston.

ANNEX B—*continued*

6. Unscrew the Yoke Screw 19, from Yoke 17, untie the Protection Cap 20 from the yoke. Remove 'O' ring with small hooked tool.

7. Unscrew the Yoke Locknut 18, from Body 7. Remove the Surclip 16, from the body with ring pliers, also remove Filter 15 and 'O' Ring 14.

8. Unscrew High Pressure Plug 9, and remove 'O' Ring 8. Unscrew Low Pressure Take off 21 and remove 'O' ring.

9. Unscrew Safety Relief Lockscrew 12, withdraw Safety Relief Spring 11, and Safety Relief Piston 10.

Inspection and Repair Procedure

10. Replace all 'O' rings. Valve Seat 5, this seat is reversible, check both ends for deep embedding, nicks, wear, etc. If one end is good, place it on one side next to the piston, for reassembly.

11. Check the valve seat in the body for any nicks or dents. Replace if necessary.

12. Check the Filter 15, for excessive foreign matter, dirt or verdigris. Replace if necessary. Replace safety relief piston seat. Check the aperture of the Reserve Supply Disc 13 is clear.

Cleaning Procedure

13. Clean all plastic and rubber parts ('O' rings and valve seat) and filter in warm soapy water, rinse thoroughly, and dry. Apply a very thin coat of silicone grease to all surfaces except the filter. Wipe with a clean cloth to remove excess silicone or loose dirt. All metal parts (with plastic and rubber parts first removed) should be washed in trichlorethylene or spirit rinsed thoroughly in fresh water and dried with an air hose or cloth.

Note: Should additional cleaning be necessary due to extra thick foreign matter or verdigris, then a fine wire brush or equivalent may be used with care.

Assembly Procedure

14. Place 'O' Ring 14, in Body 7, insert Filter 15, with ring pliers compress Surclip 16, ends together and push complete assembly down with the thumb. Fit Yoke Locknut 18, into Yoke 17, and screw onto Body 7. Tie on Yoke Protection Cap 20 after adding 'O' ring. Place large end of Piston 3 on bench. Align Seat 5 (good side up) on top of the small end of the piston. Press in the seat to the bottom of the recess in the piston stem.

15. Place 'O' Rings 2 and 4 on piston. Place Spring 6, into the body and insert the piston in place. Screw on Bonnet 1 securely. Fit Safety Relief Piston 10 to Spring 11, insert into body and screw in Safety Relief Lockscrew 12, two full turns after mating with the spring.

Note: Overtightening of the lockscrew will at this stage damage the piston seat.

Adjustment Procedure

16. Connect the assembled reducer to a fully charged cylinder, immerse in fresh water and adjust the safety valve by slowly unscrewing the lockscrew until single bubbles of escaping air keep slowly forming at the end of the hollow lockscrew. Tighten lockscrew ¼ turn to stop bleed of air. After adjustment of the safety relief valve, carry out the test and adjustment routine as for monthly maintenance.

(DUW 512/74/367)

(*Navy Order 28 of 1970*)

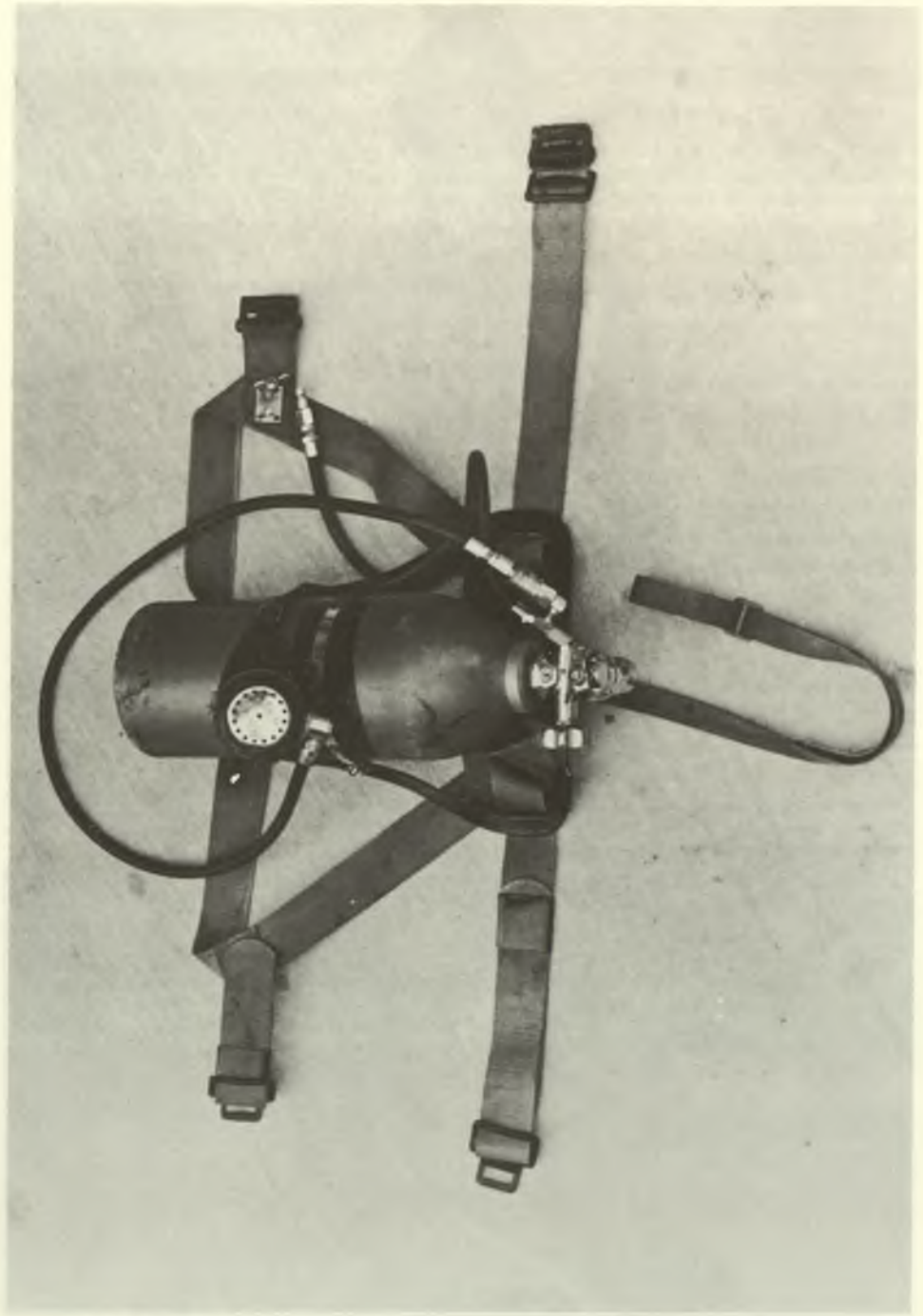


Figure 1

Figure 2

Figure 3

Figure 4

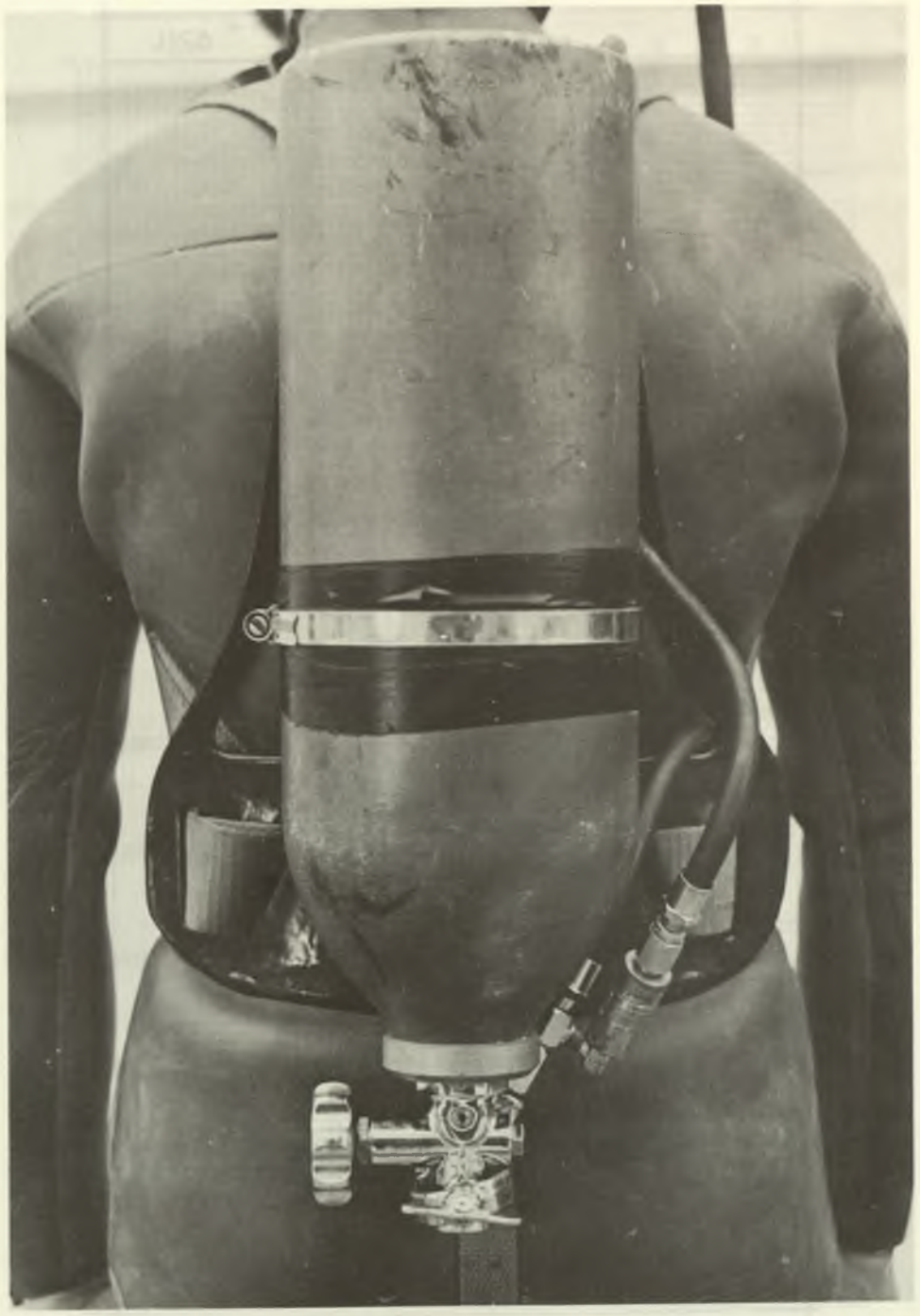


Figure 5

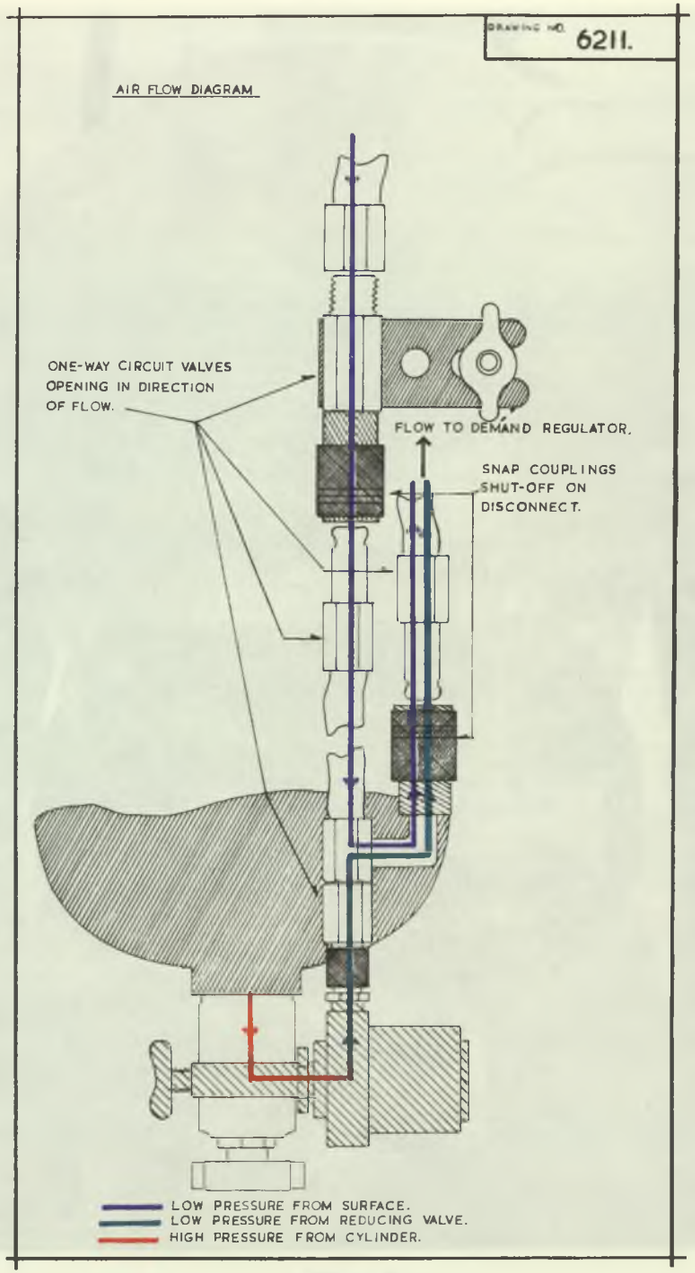


Figure 6

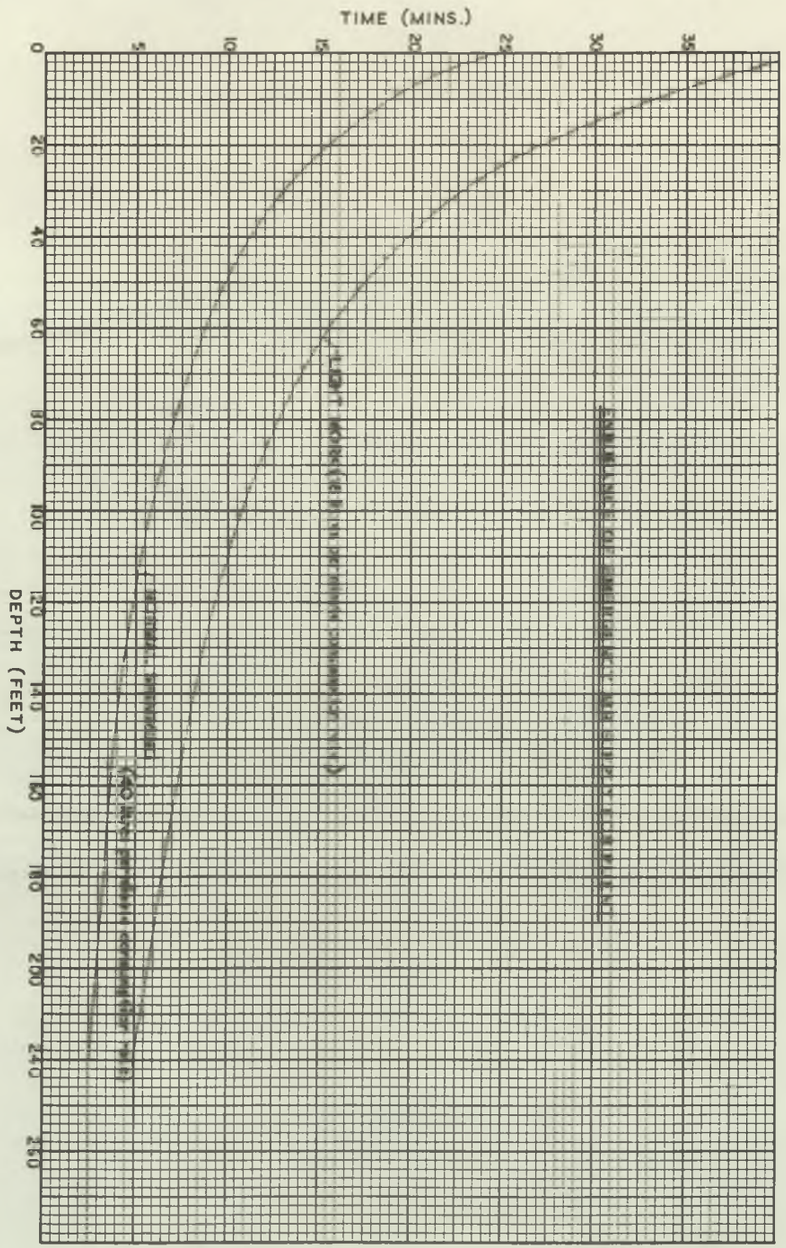
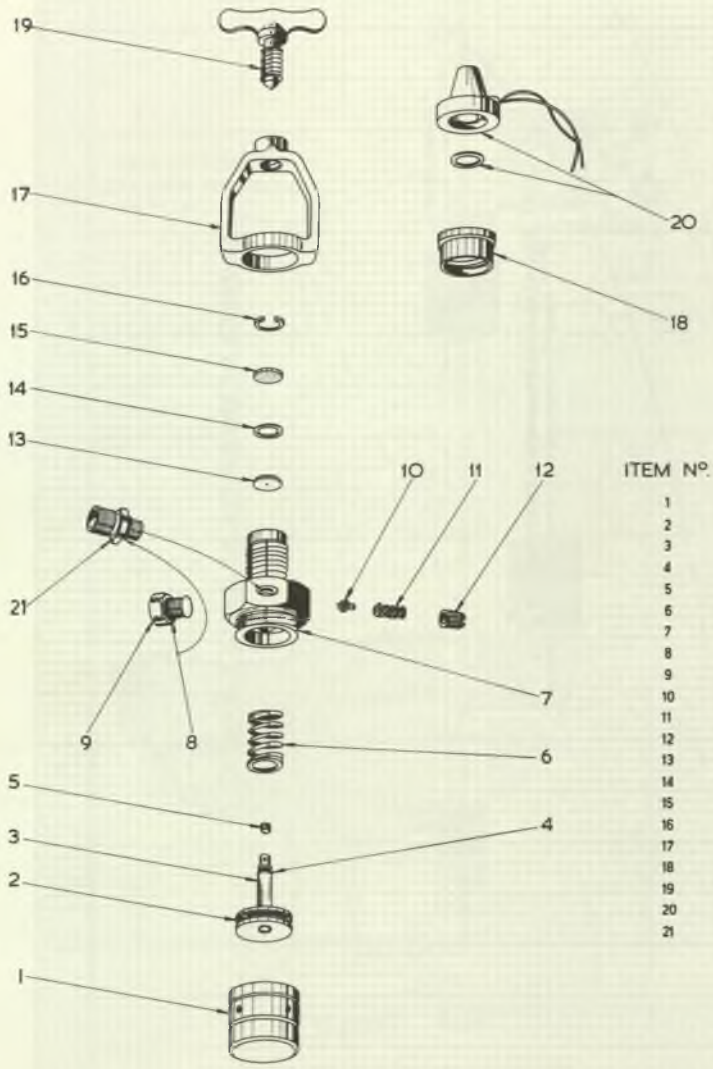


Figure 7

REDUCING VALVE-CAT. 035-0084



ITEM Nº.	PART NAME.
1	BONNET.
2	'O' SEAL.
3	PISTON.
4	'O' SEAL.
5	HIGH PRESS SEAT.
6	SPRING.
7	BODY.
8	'O' SEAL.
9	HIGH PRESS PLUG.
10	SAFETY RELIEF PISTON.
11	SAFETY RELIEF SPRING.
12	SAFETY RELIEF LOCKSCREW.
13	RESERVE SUPPLY DISC.
14	'O' SEAL.
15	FILTER.
16	CIRCLIP
17	YOKE.
18	YOKE LOCKNUT.
19	YOKE SCREW.
20	PROTECTION CAP.
21	LOW PRESSURE TAKE-OFF.

Figure 8

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

RESTRICTED

ANOs 91-103/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
16 March 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

11611/70

RESTRICTED

CONTENTS

Section 1
ADMINISTRATIVE AND GENERAL

RESTRICTED

91—RAN Research Laboratory

1. The functions and responsibilities of RAN Research Laboratory (short title and signal address RANRL) are as follows:

2. a. *Functions*

The functions of RANRL are:

(1) To undertake research into underwater acoustics, oceanography, mine warfare and mine countermeasures as directed by the Naval Board.

(2) To conduct operational research studies as required by the Naval Board.

(3) To provide scientific advice and assistance to the Flag Officer-in-Charge East Australia Area and the Flag Officer Commanding HMA Fleet.

(4) to undertake ad hoc studies and investigations of scientific problems referred by the Naval Board.

(5) To undertake research and development as required by the Naval Board with a view to:

(A) the improved utilisation of existing weapons and equipment, or the possible future development of new weapons and equipments;

(B) the provision of the technical background necessary to collect and assess data on local and overseas scientific trends.

(6) to liaise with other research organisations.

b. *Responsibility to FOICEA*

The Superintendent RANRL is responsible to FOICEA for:

(1) Administering the laboratory to achieve its programme within the limits of finance and resources allotted; the programme is issued and updated by the Naval Board.

(2) Preparing estimates for assistance required from other branches including Dockyard, RANTE, Hydrographer, etc.

(3) Submitting proposals for new equipments and external contracts for RANRL.

(4) Specifying requirements for ships programmes and other facilities. When formulating the requirements for 'ship time' generated by direction of the Scientific Policy Committee, the Superintendent RANRL is to consult with FOCAF.

(5) Producing a six-monthly review of activities including problem areas, and publishing an annual detailed report of progress achieved.

c. *Responsibility to the Director of Scientific Services*

The Superintendent RANRL is responsible to the Director of Scientific Services for:

(1) Formulating programmes of research and development for RANRL.

(2) Directing the scientific work of the laboratory in accordance with the programme issued by the Naval Board.

(3) Preparing scientific and technical reports on the work of the laboratory.

(4) Preparing financial estimates of research and development and exercising control over the laboratorys activities which affect expenditure on finance approved for research and development.

3. The Superintendent RANRL may correspond with Commanding Officers of ships and establishments and Directors at Navy Office on matters of routine affecting RANRL.

4. *Responsibilities within Navy Office.* The Director of Scientific Services is responsible for processing instrumentation and equipment requirements for RANRL.

(DSS 1426/2/56)

RESTRICTED

92—RAN Trials and Assessing Unit

1. The responsibilities and functions of the RAN Trials and Assessing Unit (short title RANTAU, signal address Captain Trials) are as follows.

Captain Trials

2. Captain Trials is responsible administratively to the Flag Officer-in-Charge, East Australia Area, and functionally to the Naval Board. As Common Property Officer of the Naval area at RUSHCUTTER he is responsible to FOICEA for the external physical security and maintenance of the area.

3. The Trials and Assessing Unit has the following functions:

a. *Trials Unit*

(1) To inspect ships under construction, modernisation and extended refit by Naval or Civil organisations, as detailed in ABR 1921 Appendix IV, to determine that the ships are completed to specification and will meet the standard of requirements for Naval service, and to advise the Naval Board accordingly.

(2) To fulfil the requirement in ABR 1313 for inspections, tests and trials of submarines undergoing refit, and to advise the Naval Board accordingly.

(3) To conduct trials of ships equipment installed or modified by Naval or civilian organisations, as detailed in ABR 1921 Appendix IV, or as directed by the Naval Board, to ensure that its performance and installation is satisfactory for acceptance into Naval service, and to advise the Commanding Officer accordingly.

(4) To liaise with General Managers of Dockyards, General Overseers and Commanding Officers of ships in the preparation of trials and inspection programmes.

(5) To advise on amendments to Acceptance Trials Schedules and planned maintenance procedures.

(6) To liaise with User Schools, the Commander First Australian Submarine Squadron, the Medical Director-General and Director of Fleet Supply Duties for the part time assistance of specialist and sub-specialist officers to carry out trials and prepare reports as required.

(7) To conduct AS Mortar Calibrations and Sea Check Firings.

(8) To carry out Acceptance Trials of Naval equipments fitted in Naval Establishments, excluding equipments for which the Department of Works is responsible.

(9) To advise Commanding Officers of HMA Ships and Fleet Staff on the Planning of Pre and Post Refit Trials and assist with these trials when requested.

(10) To comment on firing records of Surface and Underwater Weapons, provide professional user advice in producing analyses, and advise on the causes of failure or unsatisfactory performance disclosed by analysis.

(11) Conduct ad hoc trials, investigations and evaluations as may be required by the Naval Board, Flag Officer Commanding HMA Fleet or Flag Officer-in-Charge East Australia Area.

b. *Weapons Assessing Unit*

(1) To analyse, assess and report on the following firing and non-firing practices as required by the Naval Board and the Flag Officer Commanding HMA Fleet:
(A) gunnery practices including anti-air, surface and naval gunfire support;
(B) surface to air and surface to surface missile practices;
(C) torpedo practices by submarines, surface ships and aircraft;
(D) AS Mortar calibrations and sea check firings;
(E) IKARA practices.

(2) To conduct, analyse, assess and report on:
(A) degaussing ranging;
(B) radiated noise ranging;
(C) self noise measurement;
(D) sonar acoustic measurement.

(3) To present summary reports including an annual Summary from data collected in (1) and (2) above for the Flag Officer Commanding HMA Fleet and the Naval Board.

(4) To advise on Missile Telemetry Data requirements for the RAN.

(5) To raise proposals for the introduction of new recording equipment and the amendment or modernisation of existing recording or telemetry equipments and procedures.

(6) To advise on requirements for new assessing techniques and/or instrumentation as new weapons/sensors are brought into service or as system requirements change.

(7) To train ships recording teams.

(8) To train WRAN and Civilian assessors.

(9) To be responsible for the custody of equipment, and the operation and material state of:
(A) sound ranges;
(B) degaussing ranges;
(C) the Jervis Bay Tartar Telemetry Station.

(10) To assist the IKARA Operational Evaluation Team with data reduction.

c. *IKARA Operational Evaluation Team*

(1) To determine the performance of the IKARA weapon system against submarines under as wide a range of conditions of interest as practicable.

(2) To test current tactical doctrine, exercise tactical procedures and further improve doctrine.

(3) To check the Agreed Characteristics of IKARA both operationally and technically where this has not been done.

(4) To conduct studies to improve the performance of the IKARA system.

(5) To examine and improve operational drills and procedures.

(6) To derive data on system and missile reliability.

(7) To derive data aimed towards validating current models.

(8) To advise on the planning and assessment of all routine IKARA practice firings.

4. Captain Trials is to forward a six-monthly review of activities including problem areas for the information of the Naval Board.

5. The functions of the General Overseers and Superintendents of Inspection in many instances are complementary to those of Captain Trials. General Overseers are responsible for checking that work has been carried out in accordance with specifications and drawings; Captain Trials is responsible for acceptance trials subsequently, and for seeing that the needs of the user are being met as detailed in Sub-paragraph 3a of this order.

6. Captain Trials may correspond with Commanding Officers of ships and establishments and Directors at Navy Office on matters of routine affecting RANTAU.

Directorate Responsibilities Within Navy Office

7. Within Navy Office the Director of User Requirements is the co-ordinating authority for Captain Trials interests, and is responsible for the co-ordination of trials requirements and of follow-up action on trials reports. The Director-General Fighting Equipment is responsible for Naval Staff aspects of weapon performance and evaluation. The Project Directors under the Director-General Naval Production and the Director-General Dockyards and Maintenance, as appropriate, will initiate action on all equipment and weapon installation trials reports. The Director of Scientific Services advises on instrumentation and equipment requirements for the Weapons Assessing Unit, and Overseers assessing methods.

8. Confidential Navy Order 3 of 1969 is hereby cancelled.

(DGFE 465/201/320)

(*Confidential Navy Order 3 of 1969*)

UNCLASSIFIED

93—Reserve Legal Panels

1. In order that advocacy and procedure at courts-martial be of the highest order, practising barristers and solicitors have been appointed to the Reserve and Citizen Naval Forces. These officers should, in conjunction with permanent service Legal Officers, be used as judge advocate and as prosecuting and defending officers at courts-martial. In addition Administrative Authorities and Commanding Officers are encouraged to seek advice from panel members whenever in doubt about any legal question, eg, the legal aspect of welfare cases or the framing of charges of a complicated or serious nature. The names of these officers and their residential areas are shown in the Navy List.

2. The Naval Board have decided to increase the size of the Reserve Legal Panels and the following rules have been established to govern appointment and service of these officers:

a. All medically fit barristers and solicitors are eligible to join the panels.

b. Selection of those most suitable to fill vacancies will be made by the Judge Advocate General and DNLS, preference being given to applicants with previous Naval experience.

c. During their first year in the CNF, successful applicants without previous Naval experience will be required to carry out the Reserve Officers Indoctrination Course in HMAS CERBERUS (Course No 901341 of 13 days duration).

d. All successful applicants will be required, during their first year, to spend three days with DNLS being briefed on the Naval Discipline Act and on court-martial procedure.

e. Only after c, if applicable, and d will members of the Panels be eligible to undertake legal work for the RAN.

f. All members of the Panels will be encouraged to volunteer (through DNLS) for short periods of continuous training either at sea or in commissioned establishments.

g. Successful applicants will be appointed Lieutenants (Special Branch) RANVR—List 10 under the unified RANR (Navy Order 41 of 1969 refers), unless they already hold or have held higher rank in the Naval Forces of the Commonwealth.

h. Lieutenants will be eligible for selection for promotion to Lieutenant-Commander on gaining eight years seniority. The views of the JAG and DNLS will be taken into account when selecting officers for promotion.

i. Promotion to Commander RANVR will normally be reserved for Lieutenant-Commanders who become Queens Counsel.

j. During continuous training officers will be paid the normal 'on promotion' rates of pay appropriate to their rank. Remuneration for legal work done for the Navy will be in accordance with the scales laid down by the Crown Solicitor.

k. Members will normally be transferred to a non-active list at 40 if still Lieutenants and at 50 if Lieutenant-Commanders. All officers will be transferred to the Retired List at age 60.

3. All applications for appointment are to be forwarded to the Secretary, Department of the Navy, Canberra ACT. DNLS will decide whether further appointing action is to be taken by Recruiting Staff Officers.

4. Navy Order 829 of 1969 is hereby cancelled.

(DNLS 321/6/41)

(*Navy Orders 41 and 829 of 1969*)

Section 2

PERSONNEL

UNCLASSIFIED

94—Discipline—Drugs

1. Drug abuse, until recent years, was most frequently found in members of the medical and allied professions having access to drugs in their every-day work. Due to a number of social factors a wide variety of drugs are now abused by different groups of the population, those most at risk being adolescents, young adults and housewives.

Certain kinds of drugs which are quite commonly prescribed by doctors are liable to misuse. There are also illegal sources. It is important to realise that anyone can be a potential drug taker.

2. Much has been written about 'hard' and 'soft' drugs and whether or not the latter are addictive. Certainly there are drugs such as Morphine and Heroin which have a physical effect on the body so that organs learn to function only when surrounded by the drug. There is no similar reason why a person who takes Amphetamine pills or smokes Cannabis should become physiologically dependent or progress on to the 'hard drugs'. The stark fact remains that many do become dependent and progress through a psychological dependence on the artificial support which a drug provides. The obtaining of illegal supplies itself involves the experimenter in an environment which permits and encourages the habit. It is then that he becomes far more susceptible to an introduction to such drugs as Morphine and Heroin.

3. Within the naval society the most likely person to abuse drugs is the young sailor. It must be recognised that the great majority will be experimenters who do so for a brief period without normally coming to any lasting harm. In previous generations they would have stopped short at alcohol and tobacco. Experimenting with drugs may, however, be disastrous for those who have a disorder of personality or who have actual or potential psychiatric illness. These, in order to alleviate their symptoms, may become habituated. In a disciplined Service experimenters may cause a number of problems through their altered behaviour while under the influence of drugs, which can take the form of breaches of discipline and may result in a serious decline in morale in a ship or establishment.

4. In the Service special problems exist; supplies can readily be obtained in many overseas countries and sea ports are likely places for the traffickers and users to congregate. Drugs are not as yet a serious problem in the Navy but the incidence of drug offences is steadily increasing. The Naval Board are therefore concerned that all possible steps should be taken to discourage the spread of the drug habit. Men using drugs not only reduce their own efficiency and self-reliance but lose a sense of responsibility towards their mess mates. They are not to be trusted in difficult situations and their presence could undermine the confidence of other members of their team. They are dangerous people, not only to themselves but to every impressionable young person with whom they come into contact. Others must be protected from them.

5. It should also be realised that a person who takes drugs can become a potential security problem. A person who takes drugs puts himself into the hands of those who supply them and could thus become blackmailable; furthermore, drugs are expensive and an addict short of the necessary money for fresh supplies may go to extreme lengths to obtain them. He could be lent money by a hostile intelligence agent who would well know that the borrower would have very great difficulty in repaying other than in kind.

6. Disciplinary action must necessarily be taken against those who are detected but this is only part of the answer. The greater part lies in education to ensure that young sailors from the start of their careers are made aware of the dangers of experimenting and of the risks involved. It is vital that all in authority are aware of the serious nature of the problem and that no permissive attitude should be allowed to develop. Education in new entry training establishments and on Petty Officers courses is therefore particularly important. It should be emphasised that the taking of any drug except on medical advice is the refuge of the weak, the irresponsible and the foolish. Every attempt should be made to ensure that the man who tries to traffic in drugs finds an unreceptive market and is reported for he is at the root of the drug problem.

7. In due course an order will be included in Regulations and Instructions for the Royal Australian Navy. Meanwhile Commanding Officers are to insert in Ships Standing Orders an order on the following lines:

> 'The use or possession of certain drugs (in Annex A) is wholly illegal. The use or possession of certain other drugs (in Annex B) is also illegal unless their use has been authorised by a prescription from a qualified doctor or dentist. The unauthorised possession or use of such drugs and any trafficking in them for gain or otherwise are prohibited in the Royal Australian Navy. Detailed lists of the drugs to which this order refers are given in Navy Orders. They include:
>
> Amphetamine and derivatives thereof, including Benzedrine, Dexedrine, Drinamyl ('Purple Hearts'), Methedrine
> Barbiturates
> Cannabis and its derivatives (eg, Marihuana)
> Cocaine
> Heroin
> Lysergic Acid Diethylamide (LSD)
> Methadone
> Morphine
> Opium and its alkaloids.'

8. This order will be reprinted for posting on notice boards.

ANNEX A

Prohibited Drugs

The manufacture, use, possession or sale of the following substances, or preparations thereof, is prohibited:

Cannabis
Desomorphine
Diacetyl morphine
Ketobemidone
Thalidomide
Triparanol.

ANNEX B

Drugs of Addiction

1. The possession or use of the substances in the following list can only be authorised by a qualified medical or dental practitioner:

List I. Poisons which are classified as drugs of addiction under the International Convention on Narcotic Drugs:

Acetorphine
Acetyldihydrocodeine
Acetylmethadol
Allylprodine
Alphacetylmethadol
Alphamethadol

ANNEX B—*continued*

Alphaprodeine
Amphetamine and derivatives thereof
Anileridine
Benzethidine
Benzylmorphine
Beta-aminopropylbenzene (amphetamine) and beta-aminoispropylbenzene and any component structurally derived from either of these substances by substitution in the side chain or by ring closure therein (or by both such substitution and such closure) except ephedrine, etaphedrine, N-methylephedrine, N-diethyl-aminoethylephedrine, phenylpropanolamine and prenylamine
Betacetylmethadol
Betameprodine
Betamethadol
Betaprodine
Bezitramide
Clonitazine
Cocaine
Coca Leaf
Codeine and in preparations of more than 2.5 per cent of codeine
Codeine-N-Oxide
Codoxime
Concentrate of poppy straw
Dextromoramide
Diampromide
Diethylthiambutene
Dihydrocodeine and in preparations of more than 2.5 per cent of dihydrocodeine
Dihydromorphine
Dimenoxadol
Dimepheptanol
Dimethylthiambutene
Dioxaphetyl butyrate
Diphenoxlate
Dipipanone
Ecgonine
Ethylmethylthiambutene
Ethylmorphine and in preparations of more than 2.5 per cent of ethylmorphine
Etonitazene
Etorphine
Etoxeridine
Fentanyl
Furethidine
Heptane derivatives

ANNEX B—*continued*

Hydrocodone
Hydromorphinol
Hydromorphone
Hydroxypethidine
Isomethadone
Levomethorphan
Levomoramide
Levophenacylmorphan
Levorphanol
Metazocine
Methadone
Methadone—intermediate
Methyldesorphine
Methyldihydromorphine
1-Methyl-4-phenylpiperidine-4-carboxylic acid esters
Metapon
Moramide—intermediate
Morpheridine
Morphine
Morphine derivatives
Morphine methobromide and other pentavalent nitrogen morphine derivatives
Morphine-N-oxide
Morphine substitutes
Myrophine
Nicocodine and in preparations of more than 2.5 per cent of nicocodine
Nicodicodine
Nicomorphine
Noracymethadol
Norcodeine
Norlevorphanol
Normethadone
Normorphine
Norpipanone
Opium
Oxycodone
Oxymorphone
Pethidine
Pethidine—intermediate A
Pethidine—intermediate B
Pethidine—intermediate C
Phenadoxone
Phenampromide

ANNEX B—*continued*

Phenazocine
Phenomorphan
Phenoperidine
Pholcodeine and in preparations of more than 2.5 per cent of pholcodeine
Piminodine
Piperadine derivatives
Piratamide
Proheptazine
Properidine
Racemethorphan
Racemoramide
Racemorphan
Thebacon
Thebaine
Trimeperidine

2. Any active principle, any natural or synthetic derivative, and salt and any compound of the above substances specified in this List and any preparations or admixture of such substances, active principles, derivatives, salts or compounds unless otherwise provided for in this List or other parts of the Annexes to this Navy Order.

list II. Substances or preparations of exceptional danger:

Bufotenine
Dimethyltryptamine
Dom, STP
Lysergic Acid
Lysergic Acid Diethylamide
Mescaline
Psilocin
Psilocybin

List III. Restricted substances:

Acetanilide
Acetyl methyl dimethyl oximido phenyl hydrazine
Amitriptyline
Anabolic steroidal agents
Antibiotics
Anticonvulsant substances
Antihistamines, except in preparations labelled and packed for the treatment of motion sickness in packs of 10 or less. This exemption does not apply to meclozine, cyclizine and chlorcyclizine
Antitubercular substances
Arsenic, organic compounds of, for theraptutic use
Ataractic substances including benactyzine, azacyclonol, hydroxyzine and meprobamate
Barbituric acid

ANNEX B—*continued*

Bromides
Bromvaletone
Butyl Chloral Hydrate
Cantharides
Carbamazepine
Carbromal
Chloral Hydrate
Chlorcyclizine
Chlorphentermine
Chlorpromazine
Chlorzoxazone
Clofenoxine
Cyclizine
Deanol
Dextromethorphan
Dextropropoxyphene
Dextrorphan
Dibenzepin
Dicyclomine
Diethylpropion
Diphenidol
Disulfiram
Doxepin
Droperidol
Ergot
Ethoheptazine
Fenfluramine
Frusemide
Glutethimide
Guanethidine
Haloperidol
Hydrallazine
Hyoscine-N-Butyl-bromine
Hypotensive substances including Apresoline, Trimetaphan, Dihydralazine, Reserpine Hexamethonium and Pentomethonium
Imipramine
Meclozine
Medazepam
Methaqualone
Methylpentynol
Methylphenidate
Methylperidol
Methyprylone
Nitrazepam

ANNEX B—*continued*

Nitrofurantoin
Oxazepam
Paraldehyde
Pentazocine
Phenmetrazine
Phenylbutazone
Phenyl-tertiary-butylamine
Pipradol
Propylhexdrine
Rauwolfia
Sex Hormones
Sulphanilamide
Tolazoline
Trimipramine
Urethanes and ureides
Vaccines
Yohimba

3. Any active principle, any natural or synthetic derivatives, and salt and any compound of the above substances specified in this Annex and any preparations or admixture of such substances, active principles, derivatives, salts or compounds unless otherwise provided for in this List or any other part of the Annexes to this Navy Order.

(DNLS 321/1/56)

UNCLASSIFIED

95—Travel by Air to and from United Kingdom and United States of America—Rest Periods

Navy Order 563 of 1969 is amended by inserting new Paragraphs 6 and 7 and renumbering the existing Paragraph 6 as 8:

'6. A direct flight is defined as the journey made by the normal carrier by the most direct route. Any flight taken which is made under "Own Way Passage Arrangements" under NPI 191/3 does not qualify for the grant of a rest day except where the "Own Way" arrangement is merely the breaking of the journey at a stopping place on the direct route for the purpose of spending some leave there or where the booking authority finds it necessary, for Service reasons, to make a booking outside the normal flights, the flight so booked being regarded as the normal flight.

7. The normal carrier for journeys between Australia and United Kingdom is a plane belonging to Qantas or its associated airlines. For travel between Australia and America a similar position applies although it is now accepted Commonwealth policy that travel between the West Coast of USA and a city in another part of the country not served directly by Qantas and its associates, eg, Washington, but booked through Qantas may be made in an internal airline.'

(HPB 187/1/183)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

96—RANR Training—Instructions and Procedures for Sailing Training Craft

Navy Order 412 of 1969 is amended as follows:

Paragraph 12

Delete LSQMG.

Amend LS (MASC) to 2.

In remarks column opposite LS (MASC) *add:*

'1 to be LSQMG when firings are scheduled'.

(DRNP 311/52/74)

(*Navy Order 412 of 1969*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

97—Alteration and Addition Item—RAN Guided Missile Destroyers

The following Alteration and Addition Item is approved to be carried out in RAN Guided Missile Destroyers:

Class List Item No 41 (Ex TDL 'NSBG').

a. *Item:* 'To combine Storerooms 5-171-2-A, 5-175-4-A and 5-179-2-A as indicated by Buships Drawings 2273791 and 921860.'

b. The weight change for the item is expected to be negligible.

(CNTS 1215/51/236)

UNCLASSIFIED

98—Stores General—Bathythermograph Winches and Spares—Change of Stock Numbers

Navy Order 711 of 1969 is to be amended as follows:

ANNEX B

Under column heading 'New Identification No' *amend* 6110/070-01074 *to read* 6110/070-014074.

ANNEX B

Under column heading 'Description' and against New Identification No 3110-99-950-0532 *amend* Bearing Ball, Hoffman RMS 12½ (2 Dot) NDE, *to read* Bearing Roller, Hoffman RMS 12½ (3DOT) DE.

(DSAP 518/52/359)

(*Navy Order 711 of 1969*)

UNCLASSIFIED

99—Stores General (Group Class 0461)—Transfer of Various Miscellaneous Stores to Group Class 7690

1. As a result of the change from Group Class 0461 to Group Class 7690 the following stock number changes have been made and will be effected from 24 March 1970.

	New Stock Number	
Catalogue Number	*Group Class*	*Catalogue Number*
014–5298	7690	66–014–5298
014–5302	7690	66–014–5302
014–5295	7690	66–014–5295
014–5299	7690	66–014–5299
014–5301	7690	66–014–5301
014–5288	7690	66–014–5288
014–5308	7690	66–014–5308
014–5290	7690	66–014–5290
014–5306	7690	66–014–5306
014–5286	7690	66–014–5286
014–5296	7690	66–014–5296
014–5297	7690	66–014–5297
014–5304	7690	66–014–5304
014–5305	7690	66–014–5305
014–5291	7690	66–014–5291
014–5309	7690	66–014–5309
014–5303	7690	66–014–5303
014–5287	7690	66–014–5287
014–5292	7690	66–014–5292
014–5307	7690	66–014–5307
014–5300	7690	66–014–5300
014–5285	7690	66–014–5285
014–5289	7690	66–014–5289
014–5293	7690	66–014–5293
014–5294	7690	66–014–5294

2. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Article 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 514/62/316)

UNCLASSIFIED

100—Stores—Introduction—Stock Number 9905-66-035-0220—Sign 'Open in Alpha'

1. The following item is being introduced and added to the list of Authorised Consumable Stores:

Group Class	*Cat No*	*Description*		*DQ*	*Acctg Class*
9905	66–035–0220	Sign, 'OPEN IN ALPHA'..	..	No	C

2. Cases have occurred in which closing down parties have failed to open the hinged water tight covers to Air Filtration Units (AFUs) which has led to a lack of filtered air to build up citadel pressure and would have caused damage to the fan in the AFU.

3. To ensure that AFUs are run correctly, the weather deck hinged watertight covers to AFUs are to be marked on both sides 'OPEN IN ALPHA'. The markings are to be made in ½ inch letters immediately below the M marking on the cover.

4. Pending the introduction of embossed aluminium alloy signs, markings are to be made using either paint and stencils, transfer lettering or engraved plastic tallies.

5. The method of affixing the signs to the covers is by use of 8040–66–018–9236 Contact Adhesive (1 pint tins).

6. Ships fitted with AFUs are to demand the required quantity of Stock No 9905–66–035–0220 Signs, 'OPEN IN ALPHA' and 8040–66–018–9236 Contact Adhesive from SNSO Sydney. Demands should not be hastened.

(DSAP 506/61/835)

UNCLASSIFIED

101—Telegraphic Typewriters

1. RANSO 45 of 1969 abolished the requirement for keyboard reception of morse code in the RAN except for RO(S). Holdings of telegraphic typewriters in ships and establishments have therefore been reviewed.

2. Some telegraphic typewriters will still be required for message distribution and occasional operational use, but a large number of telegraphic typewriters can now be returned to store.

3. Ships and establishments are to return telegraphic typewriters in excess of the allowances shown in Annex A to this order at the first available opportunity. A weight compensation allowance of 23 lbs per machine will result. The landing of telegraphic typewriters from ships is to be reported to Navy Office by letter, for weight accounting.

4. Alterations to and redesign of morse reception and transmission bays in ships and establishments are under consideration.

ANNEX A

MELBOURNE	6
SYDNEY	2
SUPPLY	2
STALWART	2
DDGs	2
DARING CLASS	2
TYPE 12 DE	2
ANZAC	2
QUEENBOROUGH	2
MORESBY	2
DIAMANTINA	1
MINESWEEPERS/MINEHUNTERS	Nil
PATROL BOATS	Nil
PALUMA	Nil
BASS/BANKS	Nil
KIMBLA	Nil
SUBMARINES	1
CERBERUS	12
CRESWELL	1
ENCOUNTER	1
FLEET HQ COMCEN	3
SYDNEY COMCEN	6
HARMAN	1
HARMAN (BONSHAW)	60
HUON	1
GARDEN ISLAND MSO	2
LEEUWIN	1
LONSDALE	1
MELVILLE	1
MELVILLE (COONAWARRA)	35
MORETON	1
NAS NOWRA	2
NIRIMBA	1
TARANGAU	2

(D of C 462/251/11)

UNCLASSIFIED

102—Withdrawal of Uniform Kit from Personnel on Discharge

1. The following instructions will apply in future to the withdrawal of Uniform Kit from personnel on discharge.

2. When a member is discharged:

a. within two years of entry at his own request or owing to unsuitability; or

b. at any time for disciplinary reasons, or SNLR

he is required to return the items of Uniform Kit listed in Annex A or pay their unexpired value. For the purpose of determining unexpired value an assessed life has been allotted to each item which has to be returned. The unexpired value is to be calculated as the same

proportion of the Fixed Issuing Price (or for items not included in the Fixed Issuing Price List, the current contract price) as the unexpired life of the item in complete months, bears to the assessed life.

3. Members discharged in the circumstances detailed in Paragraphs 2a and b are required to return articles replaced at their own expense, if, at the time of discharge, the corresponding items originally issued gratuitously would have had an unexpired value.

4. A member discharged after three months but within two years of entry or re-entry at his own request, or owing to unsuitability, may elect to retain any or all of the items (also uniform buttons and badges) listed in Annex A, subject to payment of the unexpired value of the items concerned.

5. Where a member is discharged:

a. at his own request, after two years service but before completion of engagement;

b. on completion of engagement; or

c. for medical reasons,

the member is entitled to retain, free of charge, all items of uniform kit issued.

6. The foregoing is applicable to the termination of the appointment of an officer.

7. Members of the WRANS who, on discharge with less than two years service, volunteer and are accepted for enlistment in the WRANS Reserve, are entitled to retain, free of charge, all items of kit issued.

8. Forms SX100–1 (large) and SX100–2 (small), Internal Demand, Issue and Return Voucher, are to be used to record items of uniform kit returned by members in the circumstances referred to above. The forms are to be prepared in duplicate, the original copy being used to support the ledger entry and the duplicate handed to the member concerned.

9. Items not returned are to be listed on Forms FN111/FN111–1, Miscellaneous Debit Voucher, and the unexpired value, calculated in accordance with Paragraph 2 above, is to be inserted. These forms are to be prepared in triplicate and dealt with as follows:

Copy No 1—to be forwarded to the Pay Office for action to deduct the total amount involved from the pay account of the member being discharged.

Copy No 2—to be handed to the member concerned.

Copy No 3—to be retained in the Clothing Account as a record of the transaction.

10. ABR 93, Manual of Victualling, Part 1, Article 3403, and ABR 5020, Naval Pay Instruction No 183, will be amended.

11. This order will be reprinted for posting on notice boards.

ANNEX A

Withdrawal of Uniform on Discharge—Officers

Catal No	*Item*	*Officer other than Chaplain*	*Chaplain*	*Assessed Life in Months*
	Badges	All	All	—
	Naval buttons	All	All	—
67005–09	Cap badge, officer	2	2	12
	Coat, mans, dinner, black, serge cloth	—	1	96
	Coat, mans, drill, white, officer	3	3	12
	Coat, mans, undress, cloth, wool, Venetian No 1	1	1	24

ANNEX A—*continued*

Catal No	*Item*	*Officer other than Chaplain*	*Chaplain*	*Assessed Life in Months*
30461–4	Cummerbund, mans	1	1	72
	Jacket, mans, mess, drill, white	2	2	12
	Jacket, mans, mess, cloth, wool, Venetian No 1	1	—	96
30932–8	Raincoat, mans, officer	1	1	48
22357	Scarf, neckwear, white	1	1	36
35410–9	Shirt, mans, action working, blue	2	2	8
31249–71	Shoulder straps	2 Pr	2 Pr	18
23515	Towel, bath, cotton terry, blue 48 in x 24 in	3	3	12
35668–87	Trousers, mens, action working	2 Pr	2 Pr	8
	Trousers, mens, black, serge cloth	—	1 Pr	24
	Trousers, mens, cloth, wool, Venetian No 1	2 Pr	1 Pr	24
	Trousers, mens, drill, white	3 Pr	3 Pr	12
61012	Trunk, locker, cabin	1	1	144
	Vest, mans, mess, drill, white	1	—	96
	Vest, mans, mess, cloth, wool, Venetian No 1	1	—	96
30957	Scarf, embroidered	—	1	72
	Additional items from:			
	a. *Officers serving in aircrew*			
30695–711	Jacket, mans, cloth, wool, serge No 2, working dress	1	—	12
31515–25	Trousers, mens, wool, serge No 2, working dress	1 Pr	—	12
	b. *Electrical, Engineer and Shipwright officers*			
30436–46	Coveralls, safety, industrial, white	3	—	8

ANNEX B

Withdrawal of Uniform on Discharge—Chief Petty Officers

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Badges	All	—
	Naval buttons	All	—
62005	Badge, cap, N5	2	12
67008	Badge, collar, CPO	1 Pr	144
34261–78	Coat, mens, drill, white with gilt buttons, CPO	2	12
34076–88	Coat, mans, cloth, wool, serge No 2, double breasted with gilt buttons, CPO	1	12
34485–95	Jacket, mans, cloth, cotton, twill, working dress	1	12
34850	Pillowcase, cotton, 30 in x 30 in	2	12
34865–70	Raincoat, mans, sailor	1	48
35402	Sheet, bed, cotton, 100 in x 54 in	3	12
35410–9	Shirt, mans, action working, blue*	3	8
23515	Towel, bath, cotton terry, blue, 48 in x 24 in	3	12
35668–87	Trousers, mens, action working*	3	8

ANNEX B—*continued*

Catal No	*Item*	*Qty*	*Assessed Life in Months*
35851–63	Trousers, mens, cloth, wool, serge No 2, Class I and III	1	12
35906–20	Trousers, mens, drill, white, Class I and III	2	12
	Manuals	All	†

* Two only from Artisans, Air Maintenance sailors, Engine Room and Electrical Branch sailors, Ordnance Artificers, Naval Shipwrights, Cooks, Sick Berth Attendants, Dental Mechanics and Dental Assistants.

† Full value to be charged.

	Additional items from:		
	a. *Artisans, Air Maintenance Sailors, Engine Room and Electrical Branch Sailors, Ordnance Artificers, Naval Shipwrights and Dental Mechanics*		
20900–12	Coverall, industrial, blue	2 Pr	8
	b. *Cooks, Sick Berth Attendants and Dental Assistants*		
35906–20	Trousers, mens, drill, white, Class I and III	3 Pr	12
	c. *Stewards*		
34198–216	Coat, mans, drill, white, with blue facings	3	12
	d. *Musician Branch*		
34261–78	Coat, mans, drill, white, Class I and III	1	12
	Coat, mans, cloth, wool, serge No 2 with gilt buttons, CPO	1	12
	Trousers, mens, cloth, wool, serge No 2, Class I and III	1 Pr	12
35906–20	Trousers, mens, drill, white, Class I and III	1 Pr	12

ANNEX C

Withdrawal of Uniform on Discharge—Class II Petty Officers and Men Dressed as Seamen

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Badges	All	—
34331–4	Collar, seamans, blue	3	8
34596–622	Jumper, mans, cloth, wool, serge No 1	1	12
34691–715	Jumper, mans, drill, white	2	12
34488–95	Jacket, mans, cloth, cotton, twill working dress	1	12
21661	Knife, clasp†	1	144
21671	Lanyard, knife	1	12
34850	Pillowcase, cotton, 30 in x 30 in	2	12
34865–70	Raincoat, mans, sailor	1	48
34901–35313	Ribbons, service cap, metal thread	2	12
22347	Scarf, neckwear, black	2	12
35402	Sheet, bed, cotton 100 in x 54 in	3	12
35410–19	Shirt, mans, action working, blue*	3	8
23515	Towel, bath, cotton terry, blue 48 in x 24 in	3	12

ANNEX C—*continued*

Catal No	*Item*	*Qty*	*Assessed Life in Months*
35668–87	Trousers, mens, action working*	3	8
35727–53 35770–88	Trousers, mens, cloth, wool, serge No 1, Class II	1 Pr	12
35927–83	Trousers, mens, drill, white, Class II	2 Pr	12
	Manuals	All	‡

* Two only from Air Maintenance Sailors, Engine Room and Electrical Branch Sailors, Cooks, Sick Berth Attendants, Dental Mechanics and Dental Assistants.

† From Recruits and Seaman Branch only.

‡ Full value to be charged.

Additional items from:

	a. *Air Maintenance Sailors, Engine Room and Electrical Branch Sailors and Dental Mechanics*		
20900–12	Coverall, industrial, blue	2 Pr	8
	b. *Cooks*		
35906–20	Trousers, mens, drill, white, Class I and III	4 Pr	12
	c. *Sick Berth Attendants and Dental Assistants*		
35906–20	Trousers, mens, drill, white, Class I and III	3 Pr	12
	d. *Stewards*		
34198–216	Coat, mans, drill, white, with blue facings	3	12
	e. *Musician Branch (ordinary Musician and above)*		
34331–4	Collar, seamans, blue	1	8
34691–715	Jumper, mans, drill, white	1	12
34596–622	Jumper, mans, cloth, wool, serge No 1	1	12
35957–83	Trousers, mens, drill, white, Class II	1 Pr	12
35727–53	Trousers, mens, cloth, wool, serge No 1, Class II	1 Pr	12
	f. *Recruit Junior Musician and Junior Musician*		
34331–4	Collar, seamans, blue	1	8
34691–715	Jumper, mans, drill, white	1	12
35957–83	Trousers, mens, drill, white, Class II	1	12

ANNEX D

Withdrawal of Uniform on Discharge—Petty Officers and Class III

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Badges	All	—
	Naval buttons	All	—
	Badge, cap, PO or Class III as appropriate	2	12
34076–88	Coat, mans, cloth, wool, serge No 2, double breasted with gilt buttons (PO if appropriate)	1	12
34261–78	Coat, mans, drill, white, with gilt buttons, PO	2	12
34488–95	Jacket, mans, cloth, cotton, twill, working dress	1	12
21661	Knife, clasp (Seamen and Naval Airmen employed as seamen)	1	†

ANNEX D—*continued*

Catal No	*Item*	*Qty*	*Assessed Life in Months*
21671	Lanyard, knife (Seamen and Naval Airmen employed as seamen)	1	12
34850	Pillowcase, cotton, 30 in x 30 in	2	12
34865–70	Raincoat, mans, sailor	1	48
35402	Sheet, bed, cotton, 100 in x 54 in	3	12
35410–9	Shirt, mans, action working, blue*	3	8
23515	Towel, bath, cotton terry, blue, 48 in x 24 in	3	12
35668–87	Trousers, mens, action working*	3 Pr	8
35851–63	Trousers, mens, cloth, wool, serge No 2, Class I and III	1 Pr	12
35906–20	Trousers, mens, drill, white, Class I and III	2 Pr	12
	Manuals	All	†

* Two only Artisans, Air Maintenance Sailors, Engine Room and Electrical Branch Sailors, Ordnance Artificers, Naval Shipwrights, Cooks, Sick Berth Attendants, Dental Mechanics and Dental Assistants.

† Full value to be charged.

Additional items from:

	a. *Artisans, Air Maintenance Sailors, Engine Room and Electrical Branch Sailors, Ordnance Artificers, Naval Shipwrights and Dental Mechanics*		
20900–12	Coverall, industrial, blue	2 Pr	8
	b. *Cooks, Sick Berth Attendants and Dental Assistants*		
35906–20	Trousers, mens, drill, white, Class I and III	3 Pr	12
	c. *Stewards*		
34198–216	Coat, mans, drill, white, with blue facings	3	12
	d. *Musician Branch*		
34331–4	Collar, seamans, blue	2	8
34596–622	Jumper, mans, cloth, wool, serge No 1	1	12
34961–715	Jumper, mans, drill, white	2	12
21671	Lanyard, knife	1	12
34901–35313	Ribbon, service, cap, metal thread	1	12
22347	Scarf, neckwear, black	1	12
35727–53	Trousers, mens, cloth, wool, serge No 1, Class II	1 Pr	12
35957–83	Trousers, mens, drill, white, Class II	2 Pr	12

ANNEX E

Withdrawal of Uniform on Discharge—Naval Artificer Apprentices

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Badges	All	—
	Naval buttons	All	—
63007	Badge, cap, Class III sailors (Patt N7)	1	12
	Blazer, mans, blue	1	24

ANNEX E—*continued*

Catal No	*Item*	*Qty*	*Assessed Life in Months*
20900–12	Coveralls, industrial, blue	2 Pr	8
34488–95	Jacket, mans, cloth, cotton, twill, working dress ..	1	12
30605–26	Jacket, mans, cloth, wool, serge No 1, working dress ..	1	12
34850	Pillowcase, cotton, 30 in x 30 in	2	12
34865–70	Raincoat, mans, sailor	1	48
35410–19	Shirt, mans, action working, blue	3	8
35402	Sheet, bed, cotton, 100 in x 54 in	3	12
23515	Towel, bath, cotton terry, blue, 48 in x 24 in ..	3	12
35668–87	Trousers, mens, action working	3 Pr	8
31432–87	Trousers, mens, cloth, wool, serge No 1, working dress	1 Pr	12
	Trousers, cloth, grey	1 Pr	24
	Manuals	All	*

* Full value to be charged.

	Additional items from Apprentices in 8th Term:		
63007	Badge, cap, class III sailors (Patt N7)	1	12
34076–88	Coat, mans, cloth, wool, serge No 2, with gilt buttons ..	1	12
34261–78	Coat, mans, drill, white, Class I and III	2	12
35851–63	Trousers, mens, cloth, wool, serge No 2, Class I and III	1 Pr	12
35906–20	Trousers, mens, drill, white, Class I and III	2 Pr	12
	Additional items from Systems Artificer Apprentices issued on commencement of Courses at Technical College:		
	Blazer, mans, blue	1	24
	Trousers, cloth, grey	1 Pr	24

ANNEX F

Withdrawal of Uniform on Discharge—Junior Recruits

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Badges	All	—
34331–4	Collar, seamans, blue	2	8
34485–95	Jacket, mans, cloth, cotton, twill, working dress ..	1	12
34691–715	Jumper, mans, drill, white†	1	12
21661	Knife, clasp	1	*
21671	Lanyard, knife	1	12
34850	Pillowcase, cotton, 30 in x 30 in	2	12
34865–70	Raincoat, mans, sailor	1	48
34901–35313	Ribbons, service cap, metal thread	2	12
22345	Scarf, neckwear, black	2	12
35402	Sheet, bed, cotton, 100 in x 54 in	3	12
35410–9	Shirt, mans, action working, blue	3	8
23515	Towel, bath, cotton terry, blue, 48 in x 24 in ..	3	12
35668–87	Trousers, mens, action working	3 Pr	8
35957–83	Trousers, mens, drill, white, Class II†	1 Pr	12
	Manuals	All	*

† If issued during second term.

* Full value to be charged.

ANNEX F—*continued*

Catal No	*Item*	*Qty*	*Assessed Life in Months*
	Additional items from:		
	a. *Junior recruits selected as topmen*		
	Blazer, mans, blue	1	24
	Trousers, cloth, grey	1 Pr	24

Note: For Junior Recruits undergoing technical training at HMAS CERBERUS HMAS WATSON *see* Class II list.

ANNEX G

Withdrawal of Uniforms on Discharge—RANNS, WRANS Officers and WRANS

Catal No	*Item*	*Quantity* RANNS	WRANS Officers	WRANS CPO and PO	WRANS	*Assessed Life in Months*
	Badges	All	All	All	All	—
	Naval Buttons	All	All	All	All	—
	Badge, hat	1	2	2	—	12
62746–9	Badge, cape, RANNS ..	2	—	—	—	24
62780	Brooch, cape, RANNS ..	1	—	—	—	48
61115	Cape, womans, cloth, wool, Venetian No 1, RANNS ..	1	—	—	—	24
61146	Cloak, womans, cloth, wool, and cotton gabardine, RANNS	1	—	—	—	24
61187/1–206/1	Coat, womans, cloth, wool, twill No 1	—	—	1	1	12
	Coat, womans, cloth, wool, Venetian No 1	1*	1	—	—	24
61291–6	Dress, womans, white ..	2	4	3	3	12
	Greatcoat, womans, with shoulder straps	—	1	—	—	84
61374	Handbag, womans ..	1	1	1	1	12
61410–30	Hat band, RANNS ..	1	—	—	—	12
61434–9	Raincoat, womans ..	1	—	1	1	48
34901–35313	Ribbon, service cap, metal thread	—	—	—	2	12
	Shoulder straps (as appropriate)	2 Pr	2 Pr	—	—	18
61828/1–41/1	Skirt, womans, cloth, wool, twill No 1	—	—	1	1	12
	Skirt, womans, cloth, wool, Venetian No 1	1*	1	—	—	24
61950	Suitcase, leather, 20 inch ..	1	1	1	1	72
61988	Veil, organdie, RANNS ..	4	—	—	—	12

* Only if received after six months service.

ANNEX G—*continued*

Catal No	Item	Quantity RANNS	Quantity WRANS Officers	Quantity WRANS CPO and PO	Quantity WRANS	Assessed Life in Months
	Additional items from:					
	a. *Motor Transport Drivers*					
61871–84	Slacks, womans, cloth, wool, serge No 1	—	—	—	2	24
	b. *Members serving in tropical areas*					
61291–6	Dress, womans, white ..	—	1	—	—	12
61851–64	Skirt, womans, drill, navy blue	—	—	3	3	—
	WRANS who have not completed 2 weeks training will return only the following:					
61434–9	Raincoat, womans ..	—	—	—	1	48
34901–35313	Ribbon, service cap, metal thread	—	—	—	1	12

ANNEX H

Withdrawal of Uniform on Discharge—Naval Dockyard Police

Catal No	Item	Quantity Officers	Quantity Constables and Sergeants	Assessed Life in Months Officers	Assessed Life in Months Constables and Sergeants
	Badges	All	All	*	*
67202–4	Badges, cap, as appropriate ..	2	1	12	12
60118–30	Coat, mans, cloth, wool, serge No 2, Police	1	1	24	12
	Coat, mans, cloth wool/polyester, khaki	2	—	12	—
30932–8	Raincoat, mans, officer ..	1	—	48	—
34865–70	Raincoat, mans, sailor ..	—	1	—	48
	Shoulder straps	1 Pr	—	18	—
35851–63	Trousers, mens, cloth, wool, serge No 2	1 Pr	1 Pr	24	12
	Trousers, mens, cloth, wool/polyester, khaki	2 Pr	2 Pr	12	12
60009	Baton, Policemans	—	1	—	*
60045	Chain, ball, whistle	—	1	—	*
20900–12	Coverall, industrial, blue ..	—	1 Pr	—	8
60240–4	Raincoat, proofed nylon, Police ..	—	1	—	24
60320–4	Trousers, proofed nylon, Police ..	—	1 Pr	—	24
	Whistle, ball	—	1	—	*

* Full value to be charged.

(D of V 930/51/132)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

103—Forms SA118, SA118/1 and SA119—Return of Numbers Victualled and Provisions Expended—Introduction

1. Modified forms to record Numbers Victualled and Provisions Expended have been introduced as under, replacing Forms AS462 and 462A.

a. Form SA119 for Victualling Accounts of HMA Submarines and small ships in which neither a Supply Officer nor Stores (V) sailor is borne.

b. Forms SA118 and SA118/1 for Victualling Accounts of other HMA ships and establishments.

2. Stocks of the above forms are available on demand from the Superintending Victualling Stores Officer, Sydney.

(D of V 464/77/69)

Navy Orders 1 to 77 of 1967 are now over three years old and may be disposed of accordingly.

Printed for the Government of the Commonwealth by W. G. MURRAY, at the Government Printing Office, Canberra

HISTORIAN.

RESTRICTED

ANOs 104-113/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
16 March 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

12288/70

RESTRICTED

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

104—Australian Institute of Navigation

1. The Royal Australian Navy was elected a corporate member of the Australian Institute of Navigation in 1956. The Headquarters of the institute is located in Sydney and the RAN representative on the council of the institute is the Staff Officer (Navigation) to FOICEA.

2. Broadly, the objectives of the institute are:

a. to unite in one scientific society those interested in navigation;

b. to advance the science and practice of navigation and promote knowledge in navigation and its associated sciences.

3. Arrangements have been made for copies of institute papers pertaining to air and sea navigation to be forwarded by FOICEA to:

FOCAF
RAN Air Station, Nowra
HMAS WATSON
HMAS CERBERUS
Navy Office.

4. Approximately twelve lectures per year are delivered to members of the institute and these may be attended by members of the RAN.

5. Details of forthcoming meetings will be promulgated by FOICEA.

6. RAN personnel interested in becoming members of the institute may obtain further particulars from the Secretary, Royal Australian Naval House, 32 Grosvenor Street, Sydney.

7. Navy Order 121 of 1967 is hereby cancelled.

(DNSD 108/2/14)

(*Navy Order 121 of 1967*)

UNCLASSIFIED

105—Education Allowance

Navy Order 493 of 1969 is amended by *inserting* new Paragraphs 10, 11 and 12 and renumbering existing Paragraph 10 as 13.

'10. In respect of scholarships awarded by a State Government or by a Government sponsored authority, the conditions in Paragraphs 8 and 9 will be applied in determining the amount of Education Allowance to be paid.

11. Where eligibility for payment of Education Allowance is established for part of a school year, the maximum payment of the allowance is to be proportionate to that part of the school year.

12. Eligibility for payment of Education Allowance is based on the fact that the child must be undergoing full time secondary education and, in this regard, secondary education does not include education at an institution other than a secondary school; eg, Technical and Business Colleges are excluded.'

(HPB 252/10/2)

(*Navy Order 493 of 1969*)

UNCLASSIFIED

106—Medical and Dental Treatment of Families Accompanying Members Serving with the Strategic Reserve Malaysia, Singapore or on Loan to the RMN

1. The general provisions pertaining to the provision of medical and dental treatment in respect of dependants who are required to travel to another location to obtain treatment have been reviewed and the following shows the expenses which may be considered for reimbursement.

2. The provisions of NPI 105/309 are limited to treatment and costs incurred by a members family within the locality of his oversea posting. Where it is essential on medical grounds, that treatment be obtained at another location full details of such cases are to be referred to Navy Office, in advance if possible, for determination of the Departmental liability for fares and other expenses. In cases of clear emergency, where the situation does not permit prior reference to Navy Office, approval for travel may be anticipated. The general approach which will be applied in all cases will be reimbursement of the following expenses in respect of the person or persons where travel is essential:

a. Fares to the extent that they exceed $A6.00. Under normal circumstances travel at tourist or economy standard is to be used;

b. Actual costs of accommodation and meals where only out-patient treatment is involved or where a period must necessarily be spent at the point of evacuation prior to or following hospitalisation as, for example, in a case of confinement.

c. The limit of Departmental liability will vary with circumstances and details should be submitted to Navy Office promptly so that appropriate reimbursement can be considered. Where suitable accommodation arrangements can be made at less cost than in an hotel this should be done.

d. Where the evacuation of only one person is involved and hotel accommodation is necessary, the Departmental liability will not exceed the accommodation and meals component in the appropriate rate of Short Term Duty Travelling Allowance. The member will be required to contribute the appropriate unmarried rate for board derived from the Scale of Normal Living Costs as shown in NPI 105/312. The unmarried rate for board is derived by subtracting Rent from the figure for Board and Lodging.

e. Where the travel of more than one person, adult or child, is approved, an appropriate adjustment should be made to the limit of Departmental liability for accommodation and meals and to the deduction derived from the Scale of Normal Living Costs.

f. Where the travel of an escort for a dependant is approved and it is not possible for a member of that persons family to act as an escort, no contribution will be required in respect of the escort and the contribution in respect of the evacuee will be at the unmarried rate.

g. Where an adult is evacuated and the travel of an adult escort from his own family is approved the member should contribute the married rate for Board derived by subtracting Rent from the married rate for Board and Lodging.

h. Where an adult accompanies a child the member should contribute the unmarried rate for Board plus the child rate for Board derived by subtracting the married rate for Board and Lodging from the married plus one child rate for Board and Lodging.

3. In all cases full details are to be cabled to Navy Office as soon as possible. Where the dependant of a member is medically evacuated to Australia it is expected that Commonwealth liability for fares will normally cease at the first disembarkation point (in Australia) where adequate facilities for the particular treatment are available. The cost of further travel from that point to another locality in Australia (and return to the disembarkation point) is the responsibility of the member.

4. With effect from 15 August 1969, the provisions of NPI 105/309 are no longer applicable to members serving in Hong Kong and the provisions of NPI 105/308–308(*c*) should be applied in lieu.

5. NPI 105/309 should be noted pending amendment.

(HPB 252/10/6)

UNCLASSIFIED

107—RAN Relief Trust Fund Committee—Constitution

1. The RAN Relief Trust Fund Committee consists of the following representatives:

a. The Director of Fleet Supply Duties (Chairman).

b. The Director General of Personal Services.

c. One representative of FOCAF

d. One representative of FOICEA

e. One representative of CST HMAS CERBERUS.

f. Four representatives from HMA Ships (preferably two from HMA Ships MELBOURNE, SYDNEY and SUPPLY, one from DDGs, Destroyers and Frigates and one from HMAS MORESBY, Submarines and smaller ships).

g. One representative from establishments in the Sydney Command.

h. One representative from RAN Air Station, Nowra.

i. One representative from HMAS CERBERUS.

The representatives at c., d. and e. may be officers, but the representatives at f. to i. inclusive are to be selected from Chief Petty Officers, Petty Officers and sailors of any branch.

2. The Secretary shall be the officer for the time being acting as Secretary of the Fund.

3. Representation on the committee is on the same basis applying to the RAN Central Canteen Committee and it may be found advantageous to have the same representatives on both committees.

4. The Committee meets twice yearly on dates to be arranged. Items for inclusion in the agenda of meetings should be forwarded by administrative authorities to the Secretary, RAN Relief Trust Fund, when called for.

5. The RAN Relief Trust Fund Committee will make recommendations on matters of policy in the use of the Fund within the terms of the Services Trust Fund Act, 1947, which established the Fund.

6. It should be understood clearly that neither individual claims for assistance, nor criticism or comment on applications on which decision has been taken can be discussed by the RAN Relief Trust Fund Committee. All applications for assistance from the Fund are treated as strictly confidential by the agents and trustees, and no information whatever on these matters will be given to the Committee. Those deciding to take advantage of the benefits available from the Fund may do so in complete confidence that their trust will always be safeguarded.

7. This order will be reprinted for posting on notice boards.

8. Navy Order 38 of 1967 is hereby cancelled.

(DFSD 8/52/15)

(*Navy Order 38 of 1967*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

108—Alteration and Addition Item—HMAS DUCHESS

The following Item is approved to be carried out in HMAS DUCHESS:

Class List Item No 164 (Ex TDL 'BC').

a. *Item:* 'To convert existing Main Refrigeration Plant to an Automatic Expansion Plant.'

b. Actual weight variation is to be reported on completion of the Item.

c. *Reference:* HMAS DUCHESS Form AS1182 (TG103) TDL 'BC' dated 12 February 1969, forwarded under cover of FOCAF memorandum dated 26 February 1969.

(CNTS 1215/59/216)

RESTRICTED

109—Dispatch of Stores to HMA Ships in Japan

1. Any stores being dispatched for HMA ships whilst in Japan are to be packed with double wrapping and the outer cover addressed to Australian Embassy, Tokyo, only.

2. No reference is to be made to the ships names on the outer cover or on consignment documents.

3. Navy Order 287 of 1967 is hereby cancelled.

(DSAP 400/251/96)

(Navy Order 287 of 1967)

UNCLASSIFIED

110—Mortars—A/S Mortar Mark 10—Modification to Contact Depth Setting Assembly

(DCI (RN) 971/69)

1. *Information:*

a. The Contact Depth Setting Assembly is part of the Barrel Assembly.

b. The 159116 Unit Contact has been redesigned to include a lock nut to set the spindle and collar after adjustment to obviate the former practice of stabbing the threads which resulted in damage after repeated overhaul and inspection.

c. A new Block Insulating and Terminal Block have been introduced to replace the existing components to improve the performance and life of the store.

2. *Action Required:*

a. By RANAWEDs:

(1) Convert 159082 Contact Depth Setting Assemblies to 159121 Contact Depth Setting Assemblies and 159116 Units to 159129 Units in accordance with Drawing UCW 6463 and CL(UG) No 24.

(2) Modify 159121 Contact Depth Setting Assembly in accordance with CL(UG) No 41.

b. By HMA ships—To arrange with RANAWEDs for modification/exchange of 159082 or 159121 Contact DS Assemblies fitted to Barrels and for modification/exchange of 159116 Units held spare in 161042 chest.

3. *Publications:* The schedule and record of modifications is to be amended in manuscript by inserting new entry as follows:

Serial No	38
Part Affected	Contact Depth Setting Assembly
Nature of Mod	Change in Assembly
Urgency	(*b*)
To be done by	(*d*)
Navy Order No	As quoted
Drawing No	UCW 6463
CL(UG) No	24 and 41

(DAS 707/51/91)

RESTRICTED

111—Torpedoes—Air Launched—Mark 44—Fuzes N2 Mark 1 and Mark 2 of Lot 1—Withdrawal

(DCI (RN) 1566/69)

1. *Items:*

64449711 Fuze N2 Mk 1 5g set of Lot 1 Filled CY 3/65
64448411 Fuze N2 Mk 2 5g set of Lot 1 Filled CY 3/65
64448412 Fuze N2 Mk 2 3g set of Lot 1 Filled CY 3/65

2. *Action to be taken:*

a. By HMA ships—Exchange any fuzes of this lot for unrestricted fuzes at the first opportunity.

b. By RANADs—All stocks and receipts of fuzes of this lot are to be brought on restricted charge pending replacement of detonators and numbers held are to be reported to DAS.

Note: RANADs attention is invited to CL(TE) 61.

3. *Reason for withdrawal:* Performance of the detonators fitted in Lot 1 is unsatisfactory.

4. *Safety category:* BR 862 Article 1705 Category 'ff' (BR 862).

(DAS 712/51/555)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

112—Catholic Prayer Book for Use in the RAN—Allocation of ABR No

The Catholic Prayer Book for use in the RAN has been allocated ABR No 5122.

(DPS 465/52/1856)

UNCLASSIFIED

113—Pilotage Certificates—Form ON109 (1970)

1. Form AS454 (1966) has been renumbered as Form ON109 (1970).

2. Full directions for rendering the form are given in RANOP Chapter 2 as amplified by this order.

3. Attention is drawn to the necessity to ensure that the correct nomenclature as given in BR 2030 is used when rendering the form. Elaboration with regard to position and distance is only to be given when more than one channel exists or when the locality or port is marked D or (*d*) in BR 2030.

4. The original and duplicate copies of Form ON109 (1970) are to be forwarded to the Director of Navigation and Staff Duties (DNSD), Navy Office, Canberra, as follows:

a. for ships with a qualified navigating officer—direct.

b. for ships without a qualified navigating officer under the control of FOCAF—through FOCAF.

c. for ships without a qualified navigating officer and not under the control of FOCAF—through the Administrative Authorities.

The triplicate copy of the form should be retained on board for reference.

5. Original and duplicate copies will be received by DNSD and after checking and assessment passed to the Director of Navy Accounts for final checking and authorisation of payment.

6. The Director of Navy Accounts will retain the original and return the duplicate to DNSD after authorisation as a record of payment.

7. Navy Order 299 of 1968 is hereby cancelled.

(AS (NS) 464/54/586)

(*Navy Order 299 of 1968*)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN.

RESTRICTED

ANOs 114-127/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
24 March 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

12782/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

114—Commissioning

The following commissioning has been effected:

HMAS SWAN—20 January 1970.

(AS (NS) 1224/70/100)

RESTRICTED

115—Divers Environmental Observations

1. The United States Navy have implemented a world wide 'Data Dive' programme and it has been decided that the RAN will contribute to this. Hitherto the only mine countermeasures environmental information collected by divers has been obtained by diving teams specifically engaged in Mine Warfare Pilot Surveys. On the majority of dives, some environmental information is automatically noted by a diving team, eg, depth, current, visability and type of bottom. 'Data Dive' is a method of obtaining environmental information from divers on an opportunity basis by providing the diver with suitable recording equipment and a pro forma to record information relevant to a Mine Warfare Pilot.

2. During diving operations, if time is available, two divers should carry out the measurements required for 'Data Dive', eg, visibility and bottom conditions. The information required is noted on a special divers slate and transferred to Form OM134, Divers Environmental Data Sheet. These forms are provided in pads of 50, with instructions on how to complete the form on the cover of the pad. Completed forms are to be forwarded in duplicate to the Hydrographer, RAN on 31 March, 30 June, 30 September, and 31 December. Nil returns are not required.

3. Equipment to be issued for 'Data Dive' is:

4220-66-TSN-9574 .. Divers Wrist Tablet.

6605-66-035-0272 .. Compass Divers; spherical wrist type (Not to CDT1 and 2).

A circular black board approximately 1 foot diameter with a measuring 'line' attached to it, should be constructed locally to facilitate visibility measurements. The form makes provision for the inclusion of underwater photographs if considered appropriate.

4. Forms OM134 and the equipment mentioned above are in the course of issue to all diving teams in the RAN. Environmental observations should commence when the equipment is available. Any queries on the technique for carrying out the dives and the completion of the forms should be forwarded to HMAS PENGUIN.

(DUW 465/1/1357)

RESTRICTED

116—Electrical Officers List of Equipment—Part 3 Security Classification

The above List includes the detailed type numbers, quantities, etc, of all communications equipment in a ship or establishment and is to be classified CONFIDENTIAL.

(DNI 1617/6/53)

UNCLASSIFIED

117—RAN Aircraft Ground Equipment Committee

RAN Aircraft Ground Equipment Committee

1. The RAN Ground Equipment Committee (short title RANAGEC) is an advisory body for consideration, evaluation and, where necessary recommendation for adoption, new aircraft ground equipment, aircraft handling equipment, aircraft support equipment including specialised vehicles and systems, and general and specialised aircraft maintenance tools and workshop equipment.

Terms of Reference

2. a. To advise on the types of equipment for ground handling, servicing and support of RAN Aircraft ashore and afloat to meet staff requirements.

b. To keep under constant review, and to advise on the scales of issue of such equipment, to recommend the introduction of new equipment and the withdrawal from service of redundant or obsolete equipment.

c. To keep under constant review the design of such equipment; to initiate and follow up new developments.

d. To initiate action for service trials of such equipment and arrange for representation at such trials.

e. To maintain liaison with other services in the interests of integration and standardisation of design where possible.

Composition

3. Staff of the Assistant Chief Naval Technical Services (Aircraft Engineering)—Assistant for Aircraft Engineering Planning (Chairman). Equipment Planning Officer (Secretary).

Staff of the Superintendent of Aircraft Maintenance and Repair—Equipment Standards Officer. Officers in Charge, AMAFTU.

Representatives of:

D of S (air)
DNS } As necessary
DMS
DNAP
FOCAF
HMAS ALBATROSS

Other departments and authorities may be invited to attend when matters relevant to their field of responsibility are to be discussed.

Location and Frequency of Meetings

4. The Committee will normally meet twice annually. Meetings being held at HMAS ALBATROSS. Where possible these meetings will be so timed to permit attendance of the representative from FOCAF.

Authority

5. RANAGEC as an advisory body, has no executive authority. Authority for expenditure and the acquisition of equipment is to be sought in accordance with existing regulations.

6. Navy Order 65 of 1967 is hereby cancelled.

(ACAE (O) 8/52/50)

(*Navy Order 65 of 1967*)

UNCLASSIFIED

118—RI List of Navy Orders Affecting

With reference to page 12 of RI, the following list shows these Navy Orders in force on 31 December 1969, which amend or amplify RI (as corrected up to Amendment No 20).

RI Article	*Navy Order*
0323	732 of 1969
0468	477 of 1969
0553	818 of 1969
0888	426 of 1969 631 of 1969 714 of 1969
0957	426 of 1969
1021	659 of 1969
1041	474 of 1969 659 of 1969
1051 (8) and 105A (table)	818 of 1969
1063	426 of 1969
Chapter 10 Section II	752 of 1969 425 of 1969
Chapter 10 Section IV	811 of 1968
1242	369 of 1969
1602	465 of 1969
1603 (1) (2)	
1661	171 of 1968
1705	828 of 1969
1734	830 of 1969
1762	619 of 1969
Chapter 18 Section VI and VIII	816 of 1968
1962	582 of 1969
1927	
1946A	
1947	751 of 1969
1951	
1952	
1958A	779 of 1969
1969	751 of 1969
1970	
1972	
1973	
1991A	
Chapter 19 Section II	816 of 1968
Chapter 19 Section VI, VII	582 of 1969

RI Article	*Navy Order*
Chapter 20 Section II	718 of 1969
Chapter 20 Section II	816 of 1968 582 of 1969
2039C	272 of 1969
Chapter 27 Section II	802 of 1969
2981	385 of 1969 535 of 1969 760 of 1969
2909	748 of 1969
Chapter 29 Section IV	508 of 1969
4505	111 of 1969
Chapter 45 Section II	356 of 1969
4891	417 of 1969
4892A to 4893 ..	
Chapter 53 ..	432 of 1968 22 of 1969
5606	116 of 1968
5704	799 of 1969
Chapter 57 Section II	292 of 1969 435 of 1969 674 of 1969 799 of 1968
6039	299 of 1968
6201 (1), (2) ..	587 of 1969
6202	
6217	
6225	
Appendix 2A ..	712 of 1969
Appendix 29A ..	105 of 1969

(CEO (GS) 465/3/4)

Section 2

PERSONNEL

UNCLASSIFIED

119—Short Term Duty Travelling Allowance

The rates of Short Term Duty Travelling Allowance as shown in Navy Order 436 of 1969 as amended by Navy Orders 541 of 1969, 688 of 1969 and 81 of 1970 have been further varied. Accordingly, Tables A, B and C are consolidated hereunder. The conditions governing payment of this allowance are contained in NPI 209 to NPI 209/10.

TABLE A

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT, LEUT (SD) or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, CMDR (SD) or Relative Rank, LCDR, LCDR (SD) or Relative Rank*	*CDRE and Above*
Argentina ..	$A ..	17	20	23
Austria	Schillings ..	500	600	700
Bahrain ..	Dinars ..	18.500	20.000	21.500
Belgium ..	Francs ..	1,000	1,150	1,300
Brazil	$A ..	21.50	24.00	26.00
Britain	£Stg ..	5.15.0	7.5.0	9.0.0
Burma	Kyats ..	95	105	115
Canada ..	$Can ..	24	27	30
Caribbean area (except Trinidad and Tobago):				
15 Dec to 15 Apr	$A ..	22.00	24.50	27.00
16 Apr to 14 Dec	$A ..	17.50	20.00	22.50
Ceylon	Rupees ..	115	118	121
Chile	$A ..	18	21	24
Denmark ..	Kroner ..	165	190	215
UAR Egypt ..	£Eg ..	7.750	10.000	12.250
Fiji	£F	14.00	14.50	15.00
Finland ..	FMks ..	90	105	120
France	Francs ..	115	130	150
Germany ..	D.Marks ..	74	85	96
Ghana	New Cedis ..	26.50	27.50	28.50
Greece	Drachmae ..	500	620	750
Hong Kong ..	$HK ..	117	137	157
India:				
New Delhi ..	Rupees ..	140	150	160
Bombay ..	Rupees ..	165	175	185
Calcutta ..	Rupees ..	150	160	170
Elsewhere—*See* Table B				

TABLE A—*continued*

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT, LEUT (SD) or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, CMDR (SD) or Relative Rank, LCDR, LCDR (SD) or Relative Rank*	*CDRE and Above*
Iran	Rials ..	1,800	2,030	2,260
Ireland	£Irish ..	5.15.0	7.5.0	9.0.0
Israel	£Is ..	65	77	92
Italy:				
Rome, Milan, Venice, Turin, Florence, Genoa, Naples, Bologna	Lire ..	12,000	14,500	17,000
Elsewhere ..	Lire ..	11,500	13,500	15,500
Kenya	EA Shgs ..	184	202	220
Laos	Kips ..	10,150	10,650	11,100
Lebanon ..	£Leb ..	66	78	93
Malaysia ..	$M ..	62	67	75
Malta	£Stg ..	7.3.0	8.8.0	9.13.0
Mauritius ..	Rupees ..	87	101	115
Mexico	Pesos ..	270	300	330
Netherlands ..	Florins ..	75	85	105
New Zealand ..	$NZ ..	13.50	15.50	17.50
Nigeria	£N ..	6.10.0	7.15.0	8.15.0
Norway.. ..	Kronor ..	155	180	205
Pakistan ..	Rupees ..	110	120	130
Peru	$A ..	23.50	27.00	30.00
Philippines ..	Pesos ..	65	78	91
Singapore ..	$S	72	82	93
South Africa:				
Johannesburg ..	Rand ..	18.50	19.50	20.50
Elsewhere ..	Rand ..	15.50	17.00	18.50
South Vietnam ..	Piastres ..	4,250	4,700	5,050
Spain	Pesetas ..	930	1,090	1,250
Sweden	Kronor ..	118	133	148
Switzerland ..	Francs ..	95	100	110
Taiwan	$NT ..	700	780	860
Tanzania ..	EA Shgs ..	186	193	200
Thailand ..	Baht ..	400	480	560
Timor	$A ..	16.00	17.00	18.00
Trinidad and Tobago ..	$TT ..	39	44	50
Turkey	T Lira ..	260	300	340
United States of America ..	$US ..	24	27	30
Yugoslavia ..	New Dinars ..	245	295	335
Cambodia ..	Riels ..	715	770	825

TABLE B

Country	Currency of Payment	Rates of Payment per Day		
		LEUT, LEUT (SD) or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, CMDR (SD) or Relative Rank, LCDR, LCDR (SD) or Relative Rank*	*CDRE and Above*
India:				
New Delhi, Bombay and Calcutta —*See* Table A				
Elsewhere ..	Rupees ..	45	50	55
Indonesia ..	$A ..	13.50	15.50	17.50
Japan	Yen ..	4,950	5,400	5,850
New Caledonia ..	CFP Francs ..	900	960	1,050
South Korea ..	Won ..	3,100	3,300	3,500
USSR:				
Moscow, Leningrad	Roubles ..	14	16	18
Elsewhere ..	Roubles ..	12	14	16

TABLE C

Nauru	$A ..	2.00	2.25	2.50
Other Countries ..	$A ..	3.00	3.75	4.50

2. The effective dates for variation in rates are as follows:

a. Kenya, Mauritius, South Africa, Tanzania and Turkey—from 5 December 1969.

b. India—from 24 December 1969.

3. Navy Orders 436, 541 and 688 of 1969 and 81 of 1970 are hereby cancelled.

(HPB 252/7/26)

(*Navy Orders 436, 541 and 688 of 1969 and Navy Order 81 of 1970*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

120—Alteration and Addition Item—HMAS SUPPLY

The following Alteration and Addition Item is approved to be carried out in HMAS SUPPLY, by Ships Staff:

Class List Item No 73 (ex TDL 'CC').

a. *Item:* (1) 'To rearrange Chiefs and Pos Mess (No 1 Deck FRS 22½–38 STBD), Chiefs and POs Recreation Space (No 1 Deck FRS 60–66 PORT) and Chiefs and POs bathrooms and washplaces (No 1 Deck FRS 30½–37 PORT and STBD), to provide separate accommodation for Chiefs and Pos.

(2) To resite door to the WC in the Diving Store (No 1 Deck, FRS 28–31 PORT), so that access is from passageway.'

b. *Reference:* HMA SUPPLYs Form AS1182 (TG103) TDL 'CC' dated 27 June 1969, forwarded under cover of FOCAF memorandum dated 21 July 1969.

(CNTS 1246/51/250)

UNCLASSIFIED

121—Boot Topping Paints

Navy Order 707 of 1969 is to be amended as follows:

Paragraph 1

as shown:

Manual No	*Description*	*Cat No*	*D of Q*
UW:96	Black anti-fouling paint	8010–66–TSN–0016	4 gal
		8010–66–TSN–0015	2 gal

should read:

Group Class	*Catalogue No*	*Description*	*Denom*	*Acctg Classification*
8010	66–TSN–0016	Paint, Anti-fouling, Black, manual No UW:96, unit quantity—4 gal drum	GL	C
8010	66–TSN–0015	Paint, Anti-fouling, Black, manual No UW:96, unit quantity—2 gal drum	GL	C

(ACDC 1211/51/384)

(*Navy Order 707 of 1969*)

UNCLASSIFIED

122—Daring Class Destroyers—Boiler Water Levels

1. Gauge glass indicator bodies on the boilers in Daring Class destroyers are to be painted as follows:

a. *Double and Single Sight Glasses*—a WHITE band, the top of which is at a level corresponding to the centre line of the steam drum, and the bottom of which is at a level 2 inches below the centre line of the steam drum.

b. *LOW Level Glass*—a RED band extending from the bottom of the indicator body to a level 6 inches below the centre line of the steam drum.

2. When lighting up with the stop valve OPEN, the steam drum water level is to be approximately 10½ inches of water in the HIGH level glass before the first sprayer is lit. During lighting up the level is to be maintained above the top of the white band.

3. When lighting up with the stop valve SHUT, the water level is to be higher than the bottom of the white band before the first sprayer is lit. During lighting up the water level is to be maintained in sight in the HIGH level glass by blowing down as necessary, but not to a level below the top of the white band.

4. During lighting up, when the steam drum pressure is between 40 and 50 psig, the steam and water passages of both the single and double sight gauge glasses are to be proved clear by blowing through in accordance with BR 3003, Chapter 5, Page 82.

5. Blowing through of each gauge glass in accordance with BR 3003, Chapter 5, Page 82, is also to be carried out on the following occasions:

a. When the boiler pressure reaches 500 psig, when lighting up with the stop valve open.

b. Immediately before connecting the boiler, when lighting up with the stop valve shut.

c. At least once each watch when steaming.

d. On any other occasion considered necessary by the officer or sailor in charge of the steaming boiler.

6. Under steaming conditions the following water levels are to be maintained:

a. *Auxiliary or Low Power Steaming*—above the top of the white band.

b. *Full Power Steaming*—the full power water level, as shown on Navy Office Drawing No D1472 and as indicated in the Foster Wheeler Handbook, Navy Office Drawing No 8013, is 2 inches below the centre line of the steam drum, ie, at the level of the bottom of the white band.

7. **Dangerous Conditions:**

a. During full power steaming the water level must not fall below the top of the red band as an extremely dangerous condition would arise due to uncovering of waterwall tubes, which could lead to breakdown in circulation.

b. During auxiliary or low power steaming a similar condition can arise, due to the rake of the boilers, if the water level falls below the bottom of the white band.

8. Under all conditions of steaming, if the water level falls to a dangerous level, all sprayers are to be shut off until the level is restored. It is emphasised that ALL sprayers must be shut off; merely reducing the number of sprayers alight will decrease the circulation head and, in fact, will increase the danger of circulation breakdown. (BR 1996 and BR 3001).

(DFM 1215/51/36)

UNCLASSIFIED

123—Embarkation of Explosive Stores for the Conduct of Miscellaneous Trials by HMA Ships

1. Frequent requirements are arising for HMA ships to carry out experimental trials using Service explosive stores. In many cases the trials involve large quantities of explosives for which no authorised stowage, in accordance with BR 862, Naval Magazine and Explosive Regulations, is available in the ship.

2. To ensure safety and security of such stores, Naval Board approval is to be sought prior to their embarkation.

3. The Administrative Authority of the activity scheduling the trial is to inform the Naval Board (DUR) of the quantities and nature of explosive stores required for the trial as soon as they are known, and in sufficient time to allow temporary stowage to be authorised and fitted if required.

4. Navy Order 106 of 1967 is hereby cancelled.

(DUR 700/253/42)

(*Navy Order 106 of 1967*)

UNCLASSIFIED

124—Naval Stores—Group/Class 9905—Introduction and Allowances—Menu Boards

1. It has been decided to introduce the following items into service for use in HMA ships:

Stock No	*Description*	*Acctg Classn*
9905–66–032–6328	Menu Board 3 feet x 3 feet	P
9905–66–032–6329	Menu Board 3 feet x 2 feet	P

2. The authorised allowances of the items are as follows:

9905–66–032–6328	CV, AD, AO, AP	1 No each
9905–66–032–6329	DDs, DE, ACS, AGSC, AGOR	1 No each

(*Note:* DDGs already fitted).

3. Demands to complete to establishment are to be lodged on Superintending Naval Store Officer Sydney. Hastening action is not to be taken.

4. An initial outfit of one set of 200 No Assorted Plastic letters $\frac{7}{8}$ inch will be supplied with each Menu Board. Replacement letters will be made available on an 'as and when required' basis.

(DSAP 514/62/335)

UNCLASSIFIED

125—Naval Stores—Navigational Shapes

1. To permit compliance with the 1960 International Regulations for Preventing Collision at Sea the following navigational shapes are required to be carried by HMA ships:

Group Class	*Catalogue No*	*Description*	*Acctg Status*
8345	66–023–2890	SHAPE, DAY, MARITIME, black diamond ..	Consumable
8345	66–025–9689	SHAPE, DAY, MARITIME, white diamond ..	Consumable
8345	66–025–9690	SHAPE, DAY, MARITIME, black ball ..	Consumable
8345	66–025–9691	SHAPE, DAY, MARITIME, red ball ..	Consumable

2. The above shapes are available from the Superintending Naval Store Officer, Sydney, and ships are to demand requirements to complete allowances on the following scale:

SHAPE, DAY, MARITIME, black diamond	1 No
SHAPE, DAY, MARITIME, white diamond	1 No
SHAPE, DAY, MARITIME, black ball	3 No
SHAPE, DAY, MARITIME, red ball	2 No

3. Navy Order 251 of 1967 is hereby cancelled.

(DNS 510/55/44)

(*Navy Order 251 of 1967*)

UNCLASSIFIED

126—Pumps—Worthington-Simpson Portable Salvage Pump

1. Care and discretion must be exercised in the use of 40 tons per hour portable submersible pumps if the present excessive failure rate in service is to be reduced. It is essential that they be operated strictly in accordance with the instructions in BR 3412.

2. In particular it is emphasised that they are intended as salvage pumps, and should not normally be used for hot water, oil, oily or dirty bilge water, etc. They must not be allowed to run dry and after use must invariably be tested for seal leakage by removal of both drain plugs (*see* Page (6) 3 1 of BR 3412). As far as possible the unit should be kept vertical with the motor above the pump when in use.

3. Navy Order 263 of 1967 is hereby cancelled.

(DFM 400/2/734)

(*Navy Order 263 of 1967*)

UNCLASSIFIED

127—Stores (General)—ABR 5074—RAN Catalogue of Stores—Group Classes: Various—Changes of Denomination of Quantity

1. The Denomination of Quantity of the undermentioned items is to be changed as follows:

Group Class	*Catalogue No*	*Old DQ*	*New DQ*
V4	42590	NO	ST
V4	42685	PR	NO
V4	42725	NO	PR
V4	40702	LB	NO
V4	42233	NO	PR
V4	43174	NO	PR
V4	43180	NO	PR
V5	61034	NO	PR
V5	65166	PR	NO
V6	55084	RM	TH
V6	55085	RM	TH
V7	54047	SH	NO
V8	70990	JR	BO
V8	71015	BO	JR
V8	71037	BO	CN
V8	70218	LB	PK
V8	70678	LB	CN
V8	71445	NO	PK
V8	71446	NO	PK
V8	71484	LB	CN
V8	70644	LB	CN
V8	70651	LB	CN
V8	70652	LB	CN
V8	70669	LB	CN
V8	70916	BO	JR
V8	71423	NO	PK
V8	71448	NO	PK

Group Class	*Catalogue No*	*Old DQ*	*New DQ*
V8	71449	NO	PK
Forms	FA171-2	SH	PD
Forms	FW111	SH	ST
Forms	PH111-1	NO	BK
Forms	PM132	SH	PD
Forms	SA122	ST	PD
Forms	SA208	NO	PR
Forms	SD129	NO	PR
Forms	TF106	SH	NO
Forms	FA146	SH	PD
Forms	PM151	SH	PD
Forms	PM152	SH	PD
Forms	SA290	BK	SH
Forms	SX1	SH	PD
Forms	SO130	ST	PD
Forms	OA104	SH	PD
Forms	OM105	SH	PD
Forms	OM106	SH	PD
Forms	KC105	SH	PD
Forms	PH22	NO	SH
Forms	TI349	NO	BK
Forms	PB105	PD	SH
Forms	SX20	SH	ST
Forms	SX35	SH	ST
Forms	PA25	SH	ST
Forms	SX1	SH	PD
Forms	SX2	SH	PD
Forms	SX3	SH	PD
Forms	SX4	SH	PD
Forms	SX6	SH	PD
Forms	TH107	SH	PD
Forms	TI203	SH	PD
0100	L54148	FT	FR
0100	L92329	FR	FT
0216	L95516	NO	YD
0216	L95517	NO	ST
0216	L95634	NO	ST
0216	L95740	FT	NO
0216	L95741	FT	NO
0216	L95742	FT	NO
0218	571-1792	NO	FT
0218	571-1818	FT	NO
0221	L67648	NO	LN
0221	571-5519	LN	NO
0231	9139	NO	ST
0232	8715	NO	PR
0241	L81010	NO	ST
0242	L82409	NO	BO
0242	L82410	NO	BO
0245	L80475	NO	FT
0251	L50020	DZ	NO
0251	L92194	ST	NO

Group Class	Catalogue No	Old DQ	New DQ
0255	L51560	NO	FT
0262	120–0358	NO	ST
0263	L85303	NO	ST
0265	L86462	LB	ST
0265	6966	NO	ST
0267	L52756	NO	FT
0269	950–0936	NO	PR
0272	923–7446	NO	ST
0272	923–7487	ST	NO
0272	923–7488	ST	NO
0272	923–7489	ST	NO
0273	120–4678	PR	NO
0283	L69938	NO	FT
0283	L69310	NO	LB
0284	L53440	NO	IN
0310	923–5580	LN	FT
0310	923–5581	LN	FT
0310	923–5582	LN	FT
0310	924–1750	LN	FT
0310	L74114	YD	FT
0330	L74100	LB	NO
0340	8437	NO	PR
0413	L75490	LB	SH
0413	L75491	LB	SH
0413	L75492	LB	SH
0413	L75493	LB	SH
0413	L75494	LB	SH
0413	L75496	LB	SH
0413	L75508	LB	SH
0413	L75511	LB	SH
0413	L75512	LB	SH
0413	L75513	LB	SH
0413	L75251	LB	SH
0413	L75254	LB	SH
0413	L75255	LB	SH
0413	L75256	LB	SH
0413	L75257	LB	SH
0413	L75252	LB	SH
0413	L75258	LB	SH
0413	L75259	LB	SH
0413	L75260	LB	SH
0413	4351	LB	SH
0413	923–8892	LB	SH
0413	923–8893	LB	SH
0413	923–8894	LB	SH
0413	923–8895	LB	SH
0413	923–8896	LB	SH
0413	923–8897	LB	SH
0413	923–8899	LB	SH
0413	923–8900	LB	SH
0413	923–8904	LB	SH
0413	923–8906	LB	SH

Group Class	Catalogue No	Old DQ	New DQ
0413	923–8907	LB	SH
0413	923–8913	LB	SH
0413	923–8914	LB	SH
0413	923–8915	LB	SH
0413	923–8916	LB	SH
0413	923–8917	LB	SH
0413	923–8918	LB	SH
0413	923–8919	LB	SH
0413	923–8920	LB	SH
0413	923–8923	LB	SH
0413	923–8924	LB	SH
0413	923–8925	LB	SH
0413	923–8926	LB	SH
0413	923–8927	LB	SH
0413	4860–L1	NO	FT
0414	5150	LB	SH
0414	5151	LB	SH
0414	5152	LB	SH
0414	5153	LB	SH
0414	5154	LB	SH
0414	5155	LB	SH
0414	5157	LB	SH
0414	5158	LB	SH
0414	5159	LB	SH
0414	5160	LB	SH
0414	5162	LB	SH
0414	5163	LB	SH
0415	4850	ST	NO
0442	L59120	QT	CN
0442	L59124	QT	TI
0442	L59211	GL	CN
0442	L59217	PT	TI
0442	L59224	PT	CN
0442	L59235	PT	CN
0442	L59252	PT	CN
0442	L59314	PT	CN
0442	L59232	PT	CN
0442	L59335	PT	CN
0442	L59357	PT	CN
0442	L59382	PT	TI
0442	L59396	PT	CN
0443	L77339	NO	LB
0461	L72297	RO	YD
0461	L72298	RO	YD
0461	L72301	RO	YD
0471	9662	LN	NO
0476	580–1419	NO	PR
5305	00–059–4568	GS	NO
5305	00–088–8923	GS	NO
5305	00–206–3712	GS	NO
5305	00–954–5636	GS	NO
5307	00–248–7952	LL	NO

Group Class	Catalogue No	Old DQ	New DQ
5310	00–010–3322	NO	HU
5310	00–167–0704	NO	HU
5310	00–167–0751	NO	HU
5310	00–209–0790	NO	HU
5310	00–167–1375	GR	GS
5315	00–239–8020	NO	HU
5315	00–240–1009	NO	HU
5315	00–271–7510	NO	HU
5315	00–281–9477	NO	HU
5315	00–286–4888	NO	HU
5315	00–619–1351	NO	HU
5315	00–727–5731	NO	HU
5315	00–815–1405	NO	HU
5320	00–234–1556	NO	LB
5320	00–584–0672	NO	LB
5330	00–197–8525	NO	FT
5330	00–222–2569	NO	SY
5330	00–286–9954	LB	SY
5330	00–286–9962	NO	SY
5330	00–286–9963	NO	SY
5330	00–290–5806	NO	FT
5330	00–290–5855	NO	FT
5330	00–292–0012	NO	LN
5330	00–292–0024	NO	FT
5330	00–467–3615	NO	FT
5330	00–527–7498	NO	YD
5330	00–527–7505	NO	FT
5330	00–580–8696	NO	ST
5330	00–618–3221	NO	FT
5330	00–836–2050	NO	FT
5330	00–880–4031	NO	SH
5330	00–942–4727	NO	SH
5330	21–585–0950	NO	SF
5610	66–TSN–0002	TI	TO
5610	66–023–2978	CN	TI
5640	00–245–4610	NO	LN
5640	00–542–2077	NO	LN
5640	00–550–6060	NO	LN
6810	00–264–6722	NO	BO
6810	00–290–4170	NO	LB
6810	00–664–0387	NO	GL
6810	00–753–4907	NO	BO
6840	66–021–5587	BO	GL
6840	66–030–4244	GL	TI
6840	66–030–4245	GL	DM
6850	00–264–6572	NO	DM
6850	21–572–4359	DR	DM
6850	66–026–4925	CN	NO
6850	66–026–5117	CN	NO
6910	00–740–8430	NO	ST
6910	00–740–8456	NO	ST
6910	00–920–2298	NO	ST

Group Class	Catalogue No	Old DQ	New DQ
7530	66–L56297	PT	RM
7930	00–205–2882	NO	DM
7930	66–TSN–0003	DR	DM
7930	66–TSN–0004	DR	DM
7930	66–TSN–0007	TI	TO
8010	66–027–4111	NO	GL
8010	00–285–8298	NO	GL
8010	00–290–1180	GL	DM
8010	00–558–7026	GL	DM
8010	00–917–2256	NO	DM
8010	66–TSN–0008	GL	DM
8010	66–010–3965	CN	TI
8010	66–013–0467	CN	TI
8010	66–013–2383	CN	GL
8010	66–013–5590	CN	TI
8010	66–022–1416	CN	TI
8010	66–023–2970	CN	TI
8010	66–023–2971	CN	TI
8010	66–023–2972	CN	TI
8010	66–023–2973	CN	TI
8010	66–023–2974	CN	TI
8010	66–023–2975	CN	TI
8010	66–023–2976	CN	TI
8010	66–023–2977	CN	TI
8010	66–023–2979	CN	TI
8010	66–023–2980	CN	TI
8010	66–023–2981	CN	TI
8010	66–023–2984	CN	TI
8010	66–023–2985	CN	TI
8010	66–023–2986	CN	TI
8010	66–023–2987	CN	TI
8010	66–023–2988	CN	TI
8010	66–023–2989	CN	TI
8010	66–023–2996	CN	TI
8010	66–023–3000	CN	TI
8010	66–023–3008	CN	GL
8010	66–023–3019	CN	TI
8010	66–023–3024	CN	TI
8010	66–023–4524	CN	TI
8030	00–165–8577	NO	DM
8030	00–275–8097	NO	CN
8030	00–616–7694	NO	TI
8030	66–TSN–0003	BO	TB
8030	66–029–7105	NO	LB
8040	00–264–3849	NO	CN
8040	00–266–7427	NO	BO
8040	66–027–4113	PK	KT
9320	00–241–9756	NO	SH
9320	00–878–4820	NO	FT
9320	66–L75561	NO	RO
9350	00–789–1749	NO	DM
9350	66–L93331	NO	GL

Group Class	*Catalogue No*	*Old DQ*	*New DQ*
9535	00–231–8202	SH	NO
9535	00–231–8208	SH	NO
9535	00–231–8242	PM	NO
9535	00–231–8376	NO	FT
9535	00–231–8380	NO	FT
9535	00–232–1862	SH	NO
9535	00–232–6868	SH	NO
9535	00–234–2157	SH	NO
9535	00–277–7423	SH	NO
9535	00–277–7424	SH	NO
9535	00–277–7425	SH	NO
9535	00–529–7802	SH	NO
9535	66–TSN–0010	SH	NO
9535	66–TSN–0125	SH	NO

2. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Article 1815A is relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 465/52/1827)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANO 128/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
31 March 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

12783/70

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

128—Instructions for the Issue of Victualling, Naval, Armament, Hydrographic and Medical Stores to the Australian Sea Cadet Corps and Naval Reserve Cadet Units in Schools

1. The procedures and scales of issue of stores contained in the following paragraphs replace the instructions and other information in Part IV, V, VI and appendixes IV and V of Naval Instructions for the Australian Sea Cadet Corps of the Navy League of Australia (1959) and instructions contained in Naval Reserve Regulations and Instructions relating to the issue of uniform to RANR Cadets attached to school units.

2. An initial supply of forms referred to in Annex E, except those marked *, will be forwarded to each unit without demand. Forms marked * are not required to be raised by units, except Forms SA206 (AS151) (*see* Paragraph 150). Pending receipt of these supplies, urgent demands only are to be made to the Director of Naval Reserves using Forms ASCC14.

3. The following instructions will be incorporated in Naval Cadet Instructions when the current review of the organisation has been completed. The term 'Cadet Force' includes the ASCC and RANR Cadets attached to schools.

Uniform Clothing

Part 1—General

Supply

4. All clothing except officers made-to-measure uniform is supplied from the Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009, and remains the property of the Commonwealth.

Uniform—Quantities Allowed

5. A unit may demand uniforms required for the maximum number of cadets in the authorised complement. In the event of a unit being below the maximum strength allowed for a sustained period, the quantities held are to be restricted to those required for the reduced numbers borne.

6. Should the number of cadets in a unit temporarily exceed the authorised complement, the excess in numbers borne are to be carried on a supernumerary basis and are to be kitted up only as vacancies occur in the authorised complement.

7. Demands are to be prepared in accordance with the instructions in Section 7. For made-to-measure clothing a self-measurement form is to be included.

8. The sizes and measurements of items of uniform are detailed in Annex C.

Accounting

9. Units are to account for clothing in accordance with the instructions in Part 12.

Issues

10. Clothing is issued in accordance with the instructions and conditions set out in Part 2.

Cadets, Uniform Replaced or Recovered

11. Items which have been replaced or recovered and are serviceable, should be dry cleaned and re-issued. Such items must be accounted for in the normal manner. Unserviceable items are to be surveyed locally (*see* Paragraph 125) or returned to the Victualling Store.

Dry Cleaning of Uniforms

12. Dry cleaning of uniforms referred to in Paragraphs 11 and 24 is accepted as a Naval commitment. The Naval Liaison Officer for units in each State or Territory is to make arrangements through the local Naval Authority for the uniforms to be cleaned under local service contract and inform the unit Commanding Officer of arrangements made. Where no service contract exists, the most advantageous arrangements are to be made by the local Naval Authority.

13. Accounts for dry cleaning are to be forwarded to the Naval Liaison Officer under cover of Form FA132. The Naval Liaison Officer is to verify the claim, complete the certificate as to the faithful performance of the services charged and forward the claim to the Naval Certifying Officer for payment.

Part 2—Issue, Replacement and Recovery

Issue of Uniform to Officers, Instructors and Cadets

14. The authorised kits of members are listed in Annex B and are based on the location of the Unit as follows:

Tropical	..	Northern Territory and Queensland Units north of the Tropic of Capricorn.
Hot Weather	..	Queensland, south of the Tropic of Capricorn, NSW, ACT, West Australia and Bendigo and Mildura in Victoria.
Temperate	..	South Australia, Tasmania and Victoria except Bendigo and Mildura.

15. Officers and Instructors to whom Certificates of Appointment have been issued and on the authority of the Director of Naval Reserves shall be issued on loan with the uniform kit as detailed in Annex B, Scales 1a, b, c or 2a, b and c as appropriate. Cadets on completion of a probationary training period of approximately one month and on the authority of the Commanding Officer of the Unit may be issued on loan with the uniform kit as detailed in Annex B, Scales 3a, b or c as appropriate.

Issue of Uniform to Members of the NERF or CNF

16. A member of the NERF or CNF undertaking duties with the Cadet Force is not to be issued with the uniform of the pattern described in Paragraphs 27 or 28, but is to wear the uniform appropriate to his rank in the Naval Forces.

17. A member of the CNF undertaking duties with the Cadet Force not having a uniform, may be issued with uniform to the scale laid down in Annex B of these instructions and to the pattern appropriate to his rank in that Force.

18. Replacement of items of uniform for members of the NERF and CNF undertaking duties with the Cadet Force, will be in accordance with the rules applicable to those Forces.

Care of Uniform

19. A member is responsible for the proper care and preservation of the uniform issued to him. Commanding Officers are to inform cadets of their responsibility for custody and maintenance of uniforms issued.

Replacements

20. Necessary replacement of items of uniform may be demanded by the Commanding Officer in the following cases:

a. on expiration of life of items as detailed in Annex B provided replacement is necessary;

b. on account of fair wear and tear; or

c. when written off charge as irrecoverable (losses). Such replacements are to be made on a one for one basis.

Alterations on Promotion

21. On promotion to higher rank, an officer or instructor may be reimbursed the cost of necessary alterations to uniform, within the limits of the amounts approved by the Naval Board. Claims for reimbursement are to be forwarded to the Naval Liaison Officer for processing as in Paragraph 13 above.

22. On promotion from instructor to officer rank, a member shall be issued with such additional items of uniform necessary to bring his kit up to the authorised scale.

23. Items no longer required are to be returned to the unit store.

Recovery of Uniforms

24. When a cadet leaves the unit for any reason all articles of uniform issued to him are to be returned to the unit within 14 days, unless he is transferring to another unit or division.

25. Officers and instructors who resign or are discharged are to return within 14 days all items of uniform issued, except those items which are time expired, for return to the victualling store.

26. a. When a cadet fails to return his uniform within 14 days after discharge Forms PA177, PA178, PA179 and PA180 are to be sent to the cadets parents/guardian. Should the cadet fail to return his uniform after receipt of these forms the Commanding Officer is to report the items as lost in accordance with Paragraph 129.

b. If this is not effective then the Naval Liaison Officer should request the local Naval Authority to initiate recovery action.

Supply of Items on Repayment

27. With the approval of the Naval Liaison Officer, the following items of uniform may be issued on repayment to members of the cadet force:

a. Officers and Instructors—all items of uniform listed in Annex B; and

b. Cadets—all items of uniform listed in Annex B, knives, clasp, and appropriate badges.

Part 3—Uniform and Badges

Description of Uniform

28. The uniform of an officer of the ASCC shall be of the same pattern as that of an officer of the Royal Australian Naval Reserve, with the following exceptions:

a. instead of each distinctive stripe of gold lace around the sleeve and on the shoulder straps, there shall be a waved stripe of ⅜ inch gold lace. The waved stripe of the distinctive lace shall consist of continuous curves; and

b. the cap badge will be defaced by a plate bearing the letters 'ASCC'. The buttons shall bear the letters 'SC'.

Description of Uniform—Instructors

29. The uniform to be worn by Chief Petty Officer Instructors and Petty Officer Instructors shall be of the same pattern as that of a Chief Petty Officer or Petty Officer of the Royal Australian Naval Reserve with the following exceptions:

a. the cap badge shall bear the letters 'ASCC' and the buttons the letters 'SC';

b. a Petty Officer Instructor shall wear on the left sleeve a crossed anchor badge in gold surmounted by the letters 'SC';

c. when dressed in tropical uniform a Chief Petty Officer Instructor will wear no distinguishing Sea Cadet Corps badges;

d. when dressed in tropical uniform a Petty Officer Instructor will wear on the left sleeve a badge of crossed anchors in blue with the letters 'SC' superimposed; and

e. Chief Petty Officer Instructors and Petty Officer Instructors may wear a shoulder flash bearing the unit name (eg TS NONSUCH). These badges, embroidered in gold on a blue background or woven in blue on a white background, are to be worn centrally on each arm of the jacket the top being 1 inch below the shoulder seam. These flashes are provided at the members or unit expense.

Note: When dressed in tropical uniform the badge embroidered or woven in blue on a white background may be worn on the shirt, white, tropical.

Description of Uniform—Cadets

30. The uniform to be worn by cadets shall be that for a sailor in the Royal Australian Naval Reserve, with the following exceptions:

a. the cap ribbon shall bear the words 'Sea Cadet Corps' or RANR Cadet as appropriate;

b. a cuff badge bearing the words 'Sea Cadet Corps' in red worsted shall be worn on the left arm, the base of the badge being 4 inches from the bottom edge of the sleeve; RANR cadets will wear in the same position as a Sea Cadet, a cuff badge bearing the letters 'RANR' with the letter 'C' immediately below it;

c. cadets may wear a shoulder flash bearing the Unit Name (eg TS NONSUCH). These badges, embroidered or woven in red on a blue background or blue on a white background are to be worn centrally on each shoulder of the jumper or flannel, the top being 1 inch below the shoulder seam. These badges are to be provided at the members or unit expense.

Note: When dressed in tropical uniform the badge, embroidered or woven in blue on a white background may be worn on the flannel cotton.

Good Conduct Badges or Good Service Badges—Instructors

31. Good Conduct Badges and Good Service Badges earned during former naval service may be worn by Petty Officer Instructors.

32. A Petty Officer Instructor may be awarded Good Service Badges not exceeding three in number, in respect of his service in the Cadet Forces. They shall be granted under authority of the Commanding Officer.

33. The first badge may be awarded after four years qualifying service as prescribed in this article, the second after eight years service, and the third after 12 years service, provided that the two years before the award the instructors attendance and conduct has been satisfactory.

34. The whole of an instructors service in the Cadet Forces including time as a cadet, is to count as qualifying service for the award of the first Good Service Badge except for:

a. that portion of time in the PNF or mobilised time as a Reserve Sailor for which Good Conduct Badges have been awarded;

b. time prior to absence from membership of the ASCC for five years or more; and

c. any years in which as an instructor he failed to qualify for the Annual Special Allowance and as a cadet he was not classified as efficient.

35. An instructor may be deprived of one or more Good Service Badges as a penalty for offences which, in the opinion of the Commanding Officer, are of sufficient gravity to warrant such action. In the event of an instructor being deprived of a badge the circumstances are to be reported to the Senior Officer.

36. The Commanding Officer may restore badges of which an instructor has been deprived after six months 'Very Good' service for each badge after deprivation.

37. Good Service Badges are to be worn in the same position and be similar to those worn by the RANR, the width of the stripe being $\frac{5}{16}$ inch. When more than one is worn, the distance between them is to be $\frac{5}{16}$ inch measured perpendicularly. Badges shall be gold or red.

38. Instructors entitled to wear Good Conduct Badges may also wear Good Service Badges in conjunction with them, but the combined number of badges worn is not to exceed three. Good Conduct Badges are to be worn superior to Good Service Badges, the distance between the lower Good Conduct Badge and the higher Good Service Badge being $\frac{1}{2}$ inch measured perpendicularly.

Good Service Badges—Cadets

39. Good Service Badges, not exceeding three in number, may be awarded to Cadets of, or above the rank of Cadet Able Seaman in respect of their service in the Cadet Force. They shall be granted under the authority of the Commanding Officer.

40. The first badge may be awarded after one years efficient service provided that the Cadet has obtained the rank of Able Seaman; the second and third at two and three years efficient service respectively.

41. Badges should not be awarded as a matter of routine, but only if the cadet is diligent in his duties and attendance, and, if his behaviour is satisfactory.

42. A Commanding Officer may deprive a cadet of one or more Good Service Badges if such action is warranted. Good Service Badges deprived may be restored after six months 'Very Good' service for each badge after deprivation.

43. Good Service Badges are to be worn on the left arm and are the same as those worn by the RANR. When more than one badge is worn, the distance between them is to be $\frac{5}{16}$ inch measured perpendicularly.

Part 4—Wearing of Uniform

Uniform—When to be Worn

44. A member is permitted to wear uniform when attending instruction, continuous training, Guards of Honour, church parades, and on other occasions approved by the Senior Officer. The wearing of uniforms at other times is prohibited. A member is not to appear partly in uniform and partly in civilian dress.

Illegal Wearing of Uniform

45. Commanding Officers of units are to inform members that it is an offence under the Defence Act to illegally wear a naval uniform.

Uniform Not to be Worn at Meetings

46. No officer, instructor or cadet, whilst in uniform, shall be present at any political, trade or other similar public meeting.

Wearing of Swords

47. Swords do not form a part of the compulsory uniform of officers. However, they may be worn on appropriate occasions approved by the Senior Officer.

Cadets—Wearing of Badges

48. Badges, in red and blue, for the appropriate rank are to be worn on the left arm. The badge for a Cadet Leading Seaman is that for a Leading Seaman in the RANR. The badge for a Cadet Petty Officer ASCC shall be crossed anchors negative crown. The badge for a Cadet Petty Officer RANR shall be the same as that worn by a Petty Officer RANR. Badges in red are to be worn on blue serge uniform. Blue is to be worn on tropical and action working dress. Cadet Petty Officers may wear gold badges. The cost of the latter are to be borne by the cadet or met from unit funds.

49. Category Badges (not more than one) are to be worn by qualified cadets on the right arm of the uniform. A Good Shooting Badge may, in addition, be worn on the right cuff of the blue uniform only.

Cadets—Wearing of Uniform

50. Before the first issue of uniform is made to any cadet, he is to be given careful instruction in the correct method of wearing it. Care is to be taken to see that the individual garments are of suitable size and in good clean condition. No alterations to garments by cutting or otherwise damaging them is permitted, but where necessary, minor alterations, such as shortening sleeves, trousers, etc, may be carried out. It is to be impressed on every cadet that the uniform issued to him is that approved by Her Majesty the Queen.

51. Uniform kits are to be mustered periodically and worn or misfitting articles replaced.

Part 5—Victualling, Messing and Accommodation

Victualling and Messing During Continuous Training or Courses

52. A member of the ASCC and a member of the NERF or CNF attached to an ASCC unit may be accommodated and victualled in HMA ships and establishments when undergoing continuous training or a voluntary course of instruction which involves absence overnight from his normal place of residence:

a. the names of members are to appear separately in the Joining and Leaving Sheets;

b. cadets will be victualled at the rate of victualling allowance promulgated in Navy Order; and

c. where approved continuous training periods of at least seven days are held in localities where service victualling is not available, the unit may be reimbursed the actual cost of victualling incurred during that period, or the amount which, had the training been undertaken in one of HMA ships, establishments or approved places in the same locality, would have been credited for victualling, whichever is the less.

Mess Gear and Bedding

53. The local Naval Authority, or an officer deputed by him, may approve the issue, on temporary loan, of additional mess gear and bedding required by a unit or Division during periods of continuous training or courses.

Accommodation

54. As far as practicable ships and establishments are to arrange for cadets to be victualled in a separate mess from the remainder of the ships company.

Part 6—Stores—Allowances

55. Blank.

56. Allowances of stores (other than uniform) which may be issued are listed in Annex D. The quantities shown in the allowances columns represent the maximum quantity which may be held in the unit at any time, or in the case of consumable stores allowed on a 'per annum' basis, the maximum quantity which may be drawn in any year, or held at any time.

57. Permanent items remain the property of the Commonwealth. Consumable items are issued outright to the unit. All items must be recorded in the stores ledger on Forms SA206 (AS151) (*see* Part 12).

58. Stores in excess of allowances will not be supplied without prior Naval Board approval (*see* Paragraph 87).

Part 7—Demand Procedures

59. Demands for stores required to:

a. complete to allowance of permanent items; or

b. replenish stocks of consumable items within the allowance,

are to be prepared on Stores Demands (SD), Forms SX14 and SX15, which are supplied in sets as follows:

SX14 (Multi-line) ..	comprises a hectograph master and a ships copy with carbon paper and flimsy paper interleaved to prevent rubbing of the carbon.
SX15 (Multi-line) ..	comprises an EDP copy and a ships copy.

In the case of demands for made-to-measure items of uniforms for officers, *see* Paragraph 69. The flimsy paper in Forms SX14 must be removed before any entries are made on the form.

60. The circumstances under which Forms SX14 or SX15 are to be used are as follows:

SX14—for demanding stores which are not on EDP.

SX15—for demanding stores which are on EDP.

61. Details of the categories of stores which are, or are not, on EDP are shown in the following table, together with the Source Code of the Appropriate Store Depot:

Category	*Depot Source Code*	*On EDP*
General Naval Stores	0027	Yes
Electrical Naval Stores	0094	No
Victualling Stores	0124	Yes
Uniform and Clothing (Annexes B and C) ..	0124	Yes
Stationery	5819	Yes
Forms	5819	Yes
Publications	5819	No
Armament Stores—Ammunition	0132	No
Other	0035	No
Hydrographic Stores	4189	No
Medical and Dental Stores	0078	No

When complete categories of stores are transferred to EDP, units will be advised accordingly by a Cadet Memorandum.

62. The forms are to be prepared, numbered, signed and disposed of as shown in Paragraphs 63 to 69 inclusive.

63. Separate demand forms are to be prepared for each of the categories of stores detailed in Paragraph 61.

64. The following special items of stationery which are available on demand are required for use in conjunction with Forms SX14, for the purpose stated:

Backing Sheets ..	To be placed behind the sets of forms when being typewritten.
Flimsy Paper ..	To be placed behind each completed master copy to protect the impression.
Cardboard Covers ..	Masters are to be placed between these covers when dispatched.
Envelopes ..	For dispatch of master copies.

Preparation of Stores Demands

65. Full details of the manner in which stores demands are to be completed are contained in Annex A. In the case of Forms SX14, the following action is also to be taken:

a. Before making any entry, the sheets of protective flimsy paper must be removed from the sets.

b. When being handwritten the sets must be placed on a metal or plastic writing sheet to obtain a good impression. When being typewritten the special backing sheet is to be placed behind the set.

c. When the demand has been signed (*see* Paragraph 112) special carbon paper is to be removed from the set of forms and a sheet of flimsy paper placed behind the hectograph master to protect the carbon impression.

d. Under no circumstances are the master copies to be folded. They are to be sent flat between cardboard covers to prevent creasing, tearing or fraying.

Registration

66. The format of the registration data to be inserted in the relevant boxes and columns of demand forms is as detailed in Paragraph 134.

Signing

67. Demands are to be signed (with indelible pencil, ball point pen or ink) only by the Commanding Officer. Officers signing are to insert their names in block letters underneath their signatures in cases where the signatures are not readily readable.

Alterations to Demands

68. All alterations to the quantities demanded are to be initialled by the Commanding Officer after verifying that the alteration is necessary.

Dispatch of Stores Demands

69. EDP copies of Forms SX15 and Hectograph Masters of Forms SX14 are to be forwarded to the Superintendent of Supply Administration (SSA), Garden Island, New South Wales 2000, except for clothing. Demands for clothing are to be forwarded as follows:

a. All items, except made-to-measure items—EDP copies of Forms SX15 are to be forwarded direct to the Supply Co-ordinator, Navy EDP Centre, Russell, Canberra, ACT 2600.

b. Made-to-measure items for officers:

(1) Units in New South Wales and Northern Territory—EDP copies of Forms SX15 are to be forwarded direct to the Superintending Victualling Store Officer, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009.

(2) Units in other States—A letter requesting supply is to be forwarded direct to the Supply Officer of the Reserve Establishment in the State (eg Units in Victoria, on the Supply Officer, HMAS LONSDALE). Forms SX14 and SX15 are not to be prepared.

c. If made-to-measure items for CPO and PO instructors are necessary EDP copies of Forms SX15 are to be forwarded direct to the Superintending Victualling Store Officer, Royal Edward Victualling Yard, Jones Bay Road, Pyrmont, NSW 2009.

Demands and letters for made-to-measure items are to be accompanied by a self-measurement form.

Action on Receipt of Demands by SSA

70. On receipt, the demands will be checked for correctness and to ensure that the stores demanded are within the established allowances. If correct, the demands will be disposed of as follows:

Stores on EDP—to the EDP Centre.

Stores not on EDP—to the appropriate Superintending Supply Officer, etc.

Action Taken at Stores Depots on Receipt of Stores Demands—Not on EDP

71. If the demand is approved for issue and the items are available from stock, the items will be supplied on Local Issue Voucher (LIV) (Forms SX22) copies Nos 3 and 4 of which will be forwarded to the consignee, as detailed in Part 8. If the items are not available or if the demand is rejected for any reason, a Stores Demand Observation or Rejection Note detailing the circumstances, will be forwarded to the demanding unit.

Action Taken at EDP Centre on Receipt of Stores Demands

72. On receipt, the demand is progressed by EDP and, depending on availability of stock, dealt with in accordance with one of the procedures detailed in Paragraphs 73 or 74. It is to be noted that EDP does not check demands for entitlement, this function being carried out by SSA.

73. If the EDP records indicate that the items are available from a store depot stock, Issue Vouchers (IV) (Form SX20) (three copies) and Stock in Transit Advices (SITA) (Form SX21) (one copy) will be prepared and disposed of as follows:

Issue Vouchers	To the appropriate store depot.
Stock in Transit Advice ..	To the demanding unit as advice of action taken.

74. If the EDP records indicate that the items are not available from store depot stocks, a due out is recorded, the consignee is advised accordingly by means of a Deferred Supply Advice (DSA) (Form SX29). *See* Paragraph 79 and supply action is hastened or initiated.

Action Taken at Store Depot on Receipt of Issue Vouchers from EDP

75. The possible actions which may be taken by the store depot are as follows:

a. Issue item as per issue voucher. The item is available and the quantity demanded is supplied. Copy No 3 of the IV is forwarded to the consignee.

b. Issue an amended quantity. The item is available but an amended quantity is supplied. Copy No 3 of the IV is forwarded to the consignee. If the quantity supplied is less than that demanded, and the balance is still required, a new demand must be prepared by the consignee.

c. Unexecuted Voucher but dues out are recorded. The item is not available for issue and dues out are recorded. A DSA (*see* Paragraph 79) is prepared by EDP and forwarded to the demanding unit. Supply will be effected when items become available.

d. Issue an alternative item. The alternative item is supplied on a LIV and a DSA showing the quantity as Ø is prepared and forwarded to the consignee, cancelling the SITA.

Action at Reserve Establishments on Receipt of Letter Requesting Made-to-measure Items

75A. On receipt of the letter and self-measurement form (*see* Paragraph 69b), the Supply Officer will place an official order on the appropriate period contractor, requesting delivery direct to the cadet unit concerned. Concurrently with the placing of the order, a Form SX125 or SX126 (AS549) will be prepared, in triplicate, covering the issue of the item/s to the unit. The original and duplicate copies of the form will be forwarded to the unit for retention pending the receipt of the item/s.

Dues Out

76. Where due to shortage of stocks, etc, items are not supplied in satisfaction of a demand, but dues out are recorded the action detailed in the following paragraphs will be taken.

Stores Not on EDP

77. A due out will be recorded at the Store Depot and a Stores Demand Observation Note will be forwarded to the demanding unit. The items will be supplied when they become available.

Stores on EDP

78. Three types of dues out are recorded in the EDP system, namely:

a. Short Term. This type is recorded if the EDP records indicate that the requirement cannot be met because an inability or rationing situation exists.

b. Long Term. This type is recorded in respect of requirements for which supply is deferred for any reason.

c. Earmarked. This type is recorded for requirements for which supply is to be made on a nominated date and for which stock is reserved. This type cannot be allocated by units.

When a requirement is recorded as a due out the consignee is advised accordingly by means of a DSA (*see* Paragraph 79) Deferred Supply Advice (DSA) (Form SX29).

79. Irrespective of the type of due out recorded by the EDP Centre, a DSA is forwarded to the demanding unit:

a. when the due out is first recorded; and

b. each time the due out is modified, other than by changing the due date for supply or by total release of the item.

80. The DSA informs the demanding unit of the particulars of the due out recorded in the EDP system, namely:

Date of Deferred Supply Advice.
Registration under which the due out is recorded.
Group Class.
Catalogue Number.
Short Name.
D of Q.
Quantity—if the quantity is shown as zero the due out has been cancelled.
Reason for demand.
Date required (if any).
Type of due out (short or long term or earmarked).

Filing Ships Copies of Stores Demands

81. Ships copies of demands are to be filed as a record of dues in and for follow up action as necessary. When the stores have been received and the ships accounting copy has been filed the copy of the demand is to be endorsed accordingly. When all items on the form have been received the copy of the demand is to be destroyed.

82. A periodical check of ships copies of SDs is to be made to ensure that ships accounting copies of IVs and LIVs are received.

Replacement of Defective Permanent Items

83. Items required to replace items being returned to a store depot, etc, for survey or being surveyed locally (*see* Part 10) are to be demanded on Forms SX14 or SX15.

84. The defective items being returned for survey are to be returned to the appropriate store depot at the same time as the replacement items are demanded the demands being endorsed in the 'Remarks' box 'In lieu item returned—RSV (Reg'd No)'.

85. When the defective items are being surveyed locally the demands are to be endorsed in the 'Remarks' box with the SS7 Registration No. Reason for Demand Code 2 is to be entered in the appropriate column of such demands (*see* Annex A4).

Replacement of Permanent Items Lost

86. Items required to replace items lost are to be demanded on Form SX14 or SX15. A notation is to be made in the 'Remarks' panel 'In lieu SA116 Regd No.....'. Reason for Demand Code 7 is to be entered in the appropriate column of such demands.

Stores Required in Excess of Allowances

87. When stores are required in excess of the allowances detailed in Annex D Form SA242 is to be prepared and dealt with as follows:

a. six copies of the form are to be prepared, Section 'A' being completed by the originating unit (*see* detailed instructions in Annex A) and copies disposed of as follows:

(1) Copies Nos 1 to 5 .. To the Senior Officer;
(2) Copy No 6 .. .. Retained by originating unit;

b. the request is to be examined by the Senior Officer who is to complete Section 'B' of the form as appropriate. When supply is recommended the Senior Officer is to state whether or not amendment to the allowances of stores in Annex D is recommended;

c. after completion of Section 'B' of the form by the Senior Officer copies of the form are to be disposed of as follows:

(1) If supply is not recommended:
Copies Nos 1 to 4 .. Return to originator;
Copy No 5 .. Retained by Senior Officer;

(2) If supply is recommended:
Copies Nos 1, 2 and 3 .. To the Director of Naval Reserves, Navy Office;
Copies Nos 4 and 5 .. Retained by Senior Officer;

d. Copy No 3 of Form SA242 will be returned to the Senior Officer with the final decision endorsed thereon. On receipt of this copy the Senior Officer is to endorse Copy No 4 'approved' or 'not approved' and return to the originating unit for information;

e. if approved, supply will be arranged by Navy Office without demand.

Part 8—Delivery of Stores by Supply Division Transport

88. Items (suitably labelled or otherwise identified to facilitate checking by the recipient) will be packaged by the store depot to the extent necessary to ensure safe delivery. Copies No 3 of the relevant IV or LIV will be included in the package. Packages will be allocated package numbers.

89. On delivery the driver of the store depot transport will obtain a receipt on Form ST110 or ST111 (AD78) for packages, etc, delivered and will hand a copy of the Form ST110 or ST111 (AD78) to the recipient. When issue is made on LIVs, Copy No 4 of the LIV also will be handed to the recipient. In the case of those stores demanded through the EDP Centre, Form SX21, Stock in Transit Advice (which is the IV equivalent to Copy No 4 of the LIV) will be forwarded to the establishment direct from the EDP Centre at the same time as the IVs sent to the store depot for action. It is the responsibility of the recipient to provide the necessary working party whenever possible and to unload vehicles without delay.

Stores Dispatched by Road, Rail, Sea, Air or Post

90. When stores are packed in the store depot, Copy No 3 of the IV or LIV will be placed in a waterproof envelope and tacked underneath the lid of the package (when practicable) or otherwise enclosed with the goods.

91. If it is necessary for stores on one demand to be dispatched in two or more packages, Copy No 3 of the IV or LIV will be placed in the package bearing the lowest package number. A packing slip, Form SG101, listing the items contained therein and the package number in which Copy No 3 of the IV or LIV is contained, will be placed in each additional package. This procedure does not apply in the case of consignments consisting of several packages of a uniform size and description and containing identical stores, when the procedure referred to in Paragraph 92 will be followed.

92. When stores are dispatched unpacked, in bundles, drums or in other standard packages which do not require to be enclosed in outer (transit) cases, Copy No 3 of the IV or LIV will be forwarded by the store depot to the unit by post as soon as the stores are dispatched.

93. In the case of stores issued on LIVs, Copy No 4 of the LIV will be forwarded to the consignee as an advance note immediately stores are packed and ready for dispatch. For stores demanded through the EDP Centre, Form SX21, Stock in Transit Advice, will be forwarded to the consignee direct from the EDP Centre at the same time as the IVs are sent to the store depot for action.

94. The consignee copy of the appropriate forwarding document, ie, Consignment Note or Bill of Lading will be forwarded by the consignor by post, except in the case of parcels dispatched by mail when no Consignment Notes are raised.

Delivery of Stores at Unit

95. As soon as possible after stores have been received from store depots, the following action is to be taken:

a. check the contents of the package against Copy No 3 of the IV or LIV;
b. verify Copy No 3 with Copy No 4 of the LIV or the Stock in Transit Advice;
c. confirm, by re-check, any discrepancy between the stores listed on Copy No 3 and those received;
d. post store ledger;
e. complete the 'Certificate of Receipt' Box of Copy No 4 of the LIV or the Stock in Transit Advice. The certificate is to be signed in ink by the Commanding Officer; the 'quantity received' and 'condition' columns on the forms being completed; and
f. forward without delay the Certified Copy No 4 of the LIV or the Stock in Transit Advice to the consignor.

95A. When made-to-measure items are received against orders placed by Reserve Establishments (*see* Paragraph 75A) the following action is to be taken:

a. Check the items against the relevant Form SX125 or SX126 (AS549).
b. Post store ledger. (The issuing depots registered number, as quoted on the Form SX125 or SX126 (AS549) is to be used when entering the transaction in the ledger.)
c. Receipt the duplicate copy of the form.
d. Forward the receipted duplicate copy of the form to the Reserve Establishment.

Damages, Shortages and Non-delivery

96. Should it be found on checking the contents of packages that the quantities of stores actually received are less than those invoiced or that items are damaged, the fact is to be reported immediately to the consignor.

97. The following particulars, as appropriate, are to be included in the report:

a. nature of receipt given to the carrier;
b. damage (if any) to the exterior of package or other evidence of rough handling;
c. details of defective packing;
d. evidence of any disturbance of packing; and
e. presumed cause of damage or shortage and reason for presumption.

98. The items shown as supplied, on Copy No 3 of the LIV or IV are to be taken on charge in the store account. After investigation of missing or damaged items at the store depot, etc, concerned, adjusting vouchers will be forwarded to the unit and are to be used to adjust the store account.

99. Differences (which are confirmed after investigation) between the quantities shown on Copy No 3 of the LIV or IV and those actually received are to be listed in detail on Copy No 4 of the LIV or the SITA when providing the certificate at Paragraph 95e quoting any signals, letter, etc, concerning the discrepancies.

100. Non-delivery of consignments advised in Paragraphs 89 or 93 or by other special means are also to be reported to the consignor after the lapse of a reasonable period for transit of the stores.

101. On delivery of stores any receipts given must be qualified with the words 'External Condition Good—Contents Not Examined', except where damage to the package or the goods or both, is observed, in which event a note to this effect is to be endorsed on the receipt.

102. Insured packages of stores are, where practicable, to be opened in the presence of the carriers agent. A clear receipt is never to be given if any doubt exists as to the condition of the contents, and in such an event, the following endorsement is to be used:

> 'Stores in apparently good condition, technical examination necessary and right reserved to claim for damage subsequently discovered'.

Part 9—Internal Issues and Returns

103. Where permanent items are permanently sited outside the store, the location of the items is to be noted on the relevant ledger pages. Where permanent items normally held in the store are required to be removed therefrom on temporary loan,

the signature of the person receiving the item is to be obtained in a Temporary Loan Book, Form SA205. On return the entry is to be completed by the person in charge of the store. Consumable items are to be dealt with as detailed in Paragraph 132 b (2).

Part 10—Return of Stores to Stores Depots, Etc, and Local Survey

104. Serviceable stores surplus to requirements are to be returned to the appropriate store depot, etc, on Stores Return Form SX28.

105. Unserviceable permanent items are to be disposed of as follows:

a. units in reasonably close proximity to an appropriate store dept, etc—To be returned to the store depot on Forms SX28 *see* Paragraphs 106 to 119 inclusive provided that freight and other costs are not involved; and

b. all other cases—The stores are to be surveyed locally on Survey Voucher, Form SS7, by specified inspecting officers such as the Director of Naval Reserves, Staff Officer Cadets, Naval Liaison Officers or other officers deputed by the Local Naval Authority. (*See* Paragraph 125.)

Stores Return (RSV) Form SX28

106. RSVs are supplied as sets comprising a hectograph and a ships copy interleaved with carbon paper and protective flimsy sheets.

107. Separate RSVs are to be prepared for each of the categories of stores detailed in Paragraph 61.

108. Before making any entries on the RSV the sheet of protective flimsy paper must be removed from the set of forms.

109. When being handwritten, the set of forms is to be placed on a metal or plastic writing sheet to ensure a clear impression. When being typewritten, the special backing sheet is to be placed behind the set of forms.

110. When stores are being dispatched by road, rail, sea, etc, an additional flimsy copy is to be prepared.

111. Full details of the manner in which the RSVs are to be completed are contained in Annex A.

112. After signing (*see* Paragraph 116) the master and ships copies are to be separated and the carbon destroyed.

113. A sheet of flimsy paper is to be inserted behind the master to protect the carbon impression. Under no circumstances are the master copies to be folded. They are to be sent flat between cardboard covers to prevent creasing, tearing or fraying.

114. The copies are to be disposed of as detailed in Paragraphs 117, 118 and 119.

115. Registration is to be effected as detailed in Paragraph 134.

116. RSVs are to be signed (in ball point pen or in ink) by the Commanding Officer. The special carbon must be in position when the RSV is signed. Officers signing are to insert their names in block letters underneath their signature in cases where the signatures are not readily readable.

Return Procedures

117. The following precautions are to be observed whenever stores (of any category and whether serviceable or defective) are returned to store depots:

a. It is to be ensured that items are suitably labelled to facilitate checking and are packed to the extent necessary to ensure safe delivery. Appropriate packing material is to be used if necessary and the packing of fragile articles in the same case as heavy stores is to be avoided.

b. (Superintending) Supply Officers will assist where practicable by providing packing materials, packing cases and/or baskets if suitable items are not available in the unit.

118. Stores collected by Store Depot Transport from units. When stores referred to at Paragraphs 104 and 105 (a) are collected by Store Depot Transport from units the following procedure applies:

a. All packages are to be allocated package numbers.

b. Different categories of stores are not to be packed in the same package unless warranted by special reasons such as economy, in which case items are to be packed in separate parcels and properly addressed before being placed in the outer package, flimsy copies of the Stores Return SX28 (*see* Paragraph 110) being placed in the individual packages.

c. The ships copy of the RSV is to be used to credit the store account, and filed pending receipt of Copy No 3 of the RET. (*See* Paragraph 121.)

119. Stores returned by Rail, Road, Sea, etc. When stores referred to at Paragraphs 104 and 105 (a) are returned by rail, road, sea, etc, the Commanding Officer is to apply to the Cadet Liaison Officer for a freight warrant. The following procedure is then to be followed:

a. The package number and brief details of the mode of dispatch are to be inserted in the 'Reason for Return' box of the RSV.

b. The master copy of the RSV together with the appropriate shipping documents is to be forwarded to the consignee in sufficient time to arrive in advance of, or at the same time as the stores. Masters must not be folded. They must be sent flat between cardboard covers to prevent creasing, tearing and fraying.

c. The flimsy copy (*see* Paragraph 110) is to be placed in the package with the stores. Where for any reason this is not possible one copy of a packing slip detailing the items contained in the package is to be used.

d. The 'ships' copy of the RSV is to be used to credit the store account and filed pending receipt of Copy No 3 of the RET. (*See* Paragraph 121.)

Return of Receipted Copy of Stores Return Vouchers (Form Code 'RET') Form SX25

120. On receipt of the RSVs at the store depots, RETs will be prepared by spirit duplicator process.

121. Copy No 3 of the RET, after survey and check of the stores, will be receipted and returned to the unit. This copy is to be verified with the ships copy of the RSV, which is to be endorsed with the depot registered number, and annotated to show that Copy No 3 of the RET has been received. Any differences are to be investigated and the RET filed. (*See* Paragraph 136.)

122. A periodical check of the ships copies of RSVs is to be made to ensure that receipted No. 3 copies of RETs are received.

123. If it is disclosed that an error has been made in the unit, the ships copy of the RSV and the ledgers are to be amended as necessary. Differences in catalogue numbers need not be adjusted, both the ships copy of the RSV and Copy No 3 of the RET being stamped 'Legitimate Alternative—Ledger adjustment not necessary'. Losses in transit should be dealt with as indicated in Part 11. Any other discrepancies are to be taken up immediately with the (S) SO concerned.

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124. When entering the ships registered numbers of multi-lined RSVs in the ledger, the item number is to be quoted, eg, Item No 3 on RSV Registered as 0123 68 E 1234 would be shown as E1234/3 (*see* also Paragraph 132 e (1)).

Local Survey at Units

125. The procedure to be followed in the survey of stores at units is:

a. The stores are to be surveyed by the officers referred to in Paragraph 105 b.

b. Survey Vouchers, Forms SS7, detailing the items are to be prepared in triplicate. Detailed instructions as to how to prepare the forms are contained in Annex A. It is important that the following particulars be completed on the Survey Vouchers:

(1) date of receipt (if this information is not known, the period the items have been in use should be stated as closely as practicable);

(2) source of supply;

(3) original cost. Where not known, the RAN Liaison Officer is to be requested to ascertain the cost;

(4) whether the stores have become unserviceable through fair wear and tear or otherwise; and

(5) reasons for applying for survey.

c. The Survey Vouchers are to be referred to the Surveying Officers, who are to report on the condition of the items and make recommendations for repair or disposal. (*See* Annex A.) The recommendations should, generally, be one of the following:

(1) to be returned to store depot, etc, for repair;

(2) to be brought to arisings (the possibility of obtaining useful arising should always be considered before an item is recommended for destruction); or

(3) to be destroyed.

d. Copies 1 and 2 of the Survey Voucher SS7 are to be forwarded to the Superintendent of Supply Administration Sydney, for approval. Copy No 2 will be returned to the unit concerned when approved and is to be attached to Copy No 3. Copy No 3 is to be retained by the unit as the accounting copy, and is to be filed when the approved Copy No 2 is received.

Note: Copy No 1 will also be returned to the unit if completion of destruction or arisings certificates is necessary. This copy is then to be returned to the SSA, Sydney.

e. After the necessary approval has been obtained the recommendations of the surveying officers are to be put into effect, except in the case of infected or unhygienic stores the immediate destruction of which is recommended by a medical or other responsible officer, when covering approval only need be obtained. Officers concerned are to ensure that all items to be brought to arisings or destroyed, are in fact dealt with accordingly before relevant certificates are signed, in order to safeguard against the possibility of items being substituted for serviceable items and again produced for survey at a later date.

f. If an item is surveyed 'to be returned to store depot, etc, for repair', the Survey Voucher, SS7, is to be endorsed accordingly, a Stores Return SX28 prepared, and action taken as detailed in Paragraphs 117, 118 or 119 as applicable.

Part 11—Stores Lost or Damaged

Responsibility for Stores

126. Responsibility for stores issued by the Naval Board rests with the Navy League, through the Senior Officer, in the case of ASCC Units. The Commanding Officers of the Naval Reserve Cadet Units will be responsible to the Senior Officer for the accounting, safe custody and control of stores issued. The Director of Naval Reserves may make recommendations to the Naval Board regarding apportionment of liability where losses or damage have arisen through unavoidable causes. Commanding Officers are to ensure that adequate arrangements are made for the safe custody of all Government stores.

Procedure for Reporting Losses by Theft, Robbery or Fraud

127. If there is no direct evidence of theft, but the circumstances preclude any other explanation of the loss, the case is to be dealt with as a loss by theft. Action to be taken is:

a. *Notify Police.* All instances of theft or suspected theft are to be reported, as soon as they are discovered, to the local police. In cases of theft or suspected theft the time factor is important and a preliminary notification should therefore be made to the police as early as possible. It is important that losses be reported promptly as a purpose of reports to the police is to place the matter on record, so that the missing items will be returned if subsequently located.

b. *Inform Senior Officer and Commonwealth Auditor.* Notification is to be forwarded to the Senior Officer and Naval Liaison Officer of all losses by theft, robbery or fraud, as soon as they are discovered. The local Naval Authority will inform the local audit inspector as soon as possible. Preliminary notification is not to be delayed pending full investigation.

c. An investigation is to be conducted by the Commanding Officer.

d. Forward detailed report to the Senior Officer for forwarding through the Naval Liaison Officer to the Director of Naval Reserves with his remarks and recommendations. The report should be a comprehensive and carefully considered one under the signature of the Commanding Officer. Statements from officers or cadets or copies of evidence taken at investigations are not to be forwarded with the report. The report is to deal with the following aspects:

(1) what is the amount of the loss or deficiency and how, where and when did it occur? If the date of loss is not known, the date the item was last sighted is to be stated. Where not known the RAN Liaison Officer is to be requested to obtain the cost;

(2) in whose custody the articles were at the time of the actual or supposed theft?;

(3) whether any inquiry was held and with what result?;

(4) whether the articles were recovered and if not what steps were taken to recover them?;

(5) if there is evidence of theft, robbery or fraud is prosecution proposed, or if not, why not?;

(6) what steps were taken to inform the police and with what result? Copies of police statements should be forwarded. If such statements are not readily forthcoming, the rendition of the report should not be delayed, the police statement being forwarded when available;

(7) full particulars of any disciplinary action taken or proposed or the reasons why such action is not considered appropriate;

(8) particulars of any monetary charge made or proposed; and

(9) does the investigation show any defect of the existing system of control and if so what remedy is proposed?

e. Prepare and process Loss Voucher, Form SA116. As early as practicable after completion of the investigations (*see* c.), Forms SA116 (Copies 1 and 3 only) are to be prepared and the copies disposed of as follows:

Copy No 1—To accompany report forwarded in accordance with d.

Copy No 3—To be used to provisionally adjust the Store Account and then filed.

When approved by the Naval Board, formal advice will be forwarded to the unit. Copy No 3 is then to be endorsed with details of the approval.

128. Where the stores are recovered (ie, stores taken into unlawful possession, removed from the usual place of custody and later recovered either with or without apprehension of the person responsible) action at Paragraph 127 b is to be taken. In cases of attempted theft (ie, an unsuccessful attempt to obtain physical possession of stores, etc, unlawfully) the Senior Officer and Naval Liaison Officer are to be informed.

Procedure for Reporting Losses (Other Than by Theft, Robbery or Fraud), Deficiencies or Damage

129. The action to be taken is:

a. the loss, deficiency or damage is to be reported to the Commanding Officer who is to arrange for an investigation to be carried out;

b. in the case of important stores, details are to be reported to the Senior Officer who is to inform the Director of Naval Reserves through the Naval Liaison Officer. The report should be a comprehensive and carefully considered one under the signature of the Commanding Officer. Statements from officers or cadets or copies of evidence taken at investigations are not to be forwarded with the report:

(1) for this purpose important stores are to be regarded as including:

A. anchors, boats, binoculars, cameras, telescopes, watches, electrical instruments, portable radio equipment, etc;

B. any single item of a value exceeding $40; and

C. groups of items of a total value exceeding $40 which are lost at the same time or in the same set of circumstances;

(2) the reports are to deal with the following aspects:

A. What is the amount of the loss, deficiency or damage and how, when and where did it occur? If the date of loss is not known, the date that the item was last sighted is to be stated;

B. whether an inquiry was held and with what result?;

C. was the loss, deficiency or damage caused or necessitated through fraud, mistake, default, neglect or error of any person? If so the names of the persons concerned;

D. what steps have been taken to recover the stored or the resultant financial loss?;

E. full particulars of any disciplinary action taken or proposed or the reasons why such action is not considered appropriate; and

F. does the investigation show any defect of the existing system of control and, if so, what remedy is proposed?;

c. as early as practicable after completion of the investigation (*see* a. above), Forms SA116 (Copies 1 and 3 only) are to be prepared and the copies disposed of as follows:

Copy No 1—To be forwarded to the Senior Officer for forwarding to the Director of Naval Reserves through the Naval Liaison Officer for covering approval. In the case of important stores (*see* b. above) the Form SA116 is to accompany the report.

Copy No 3—To be used to provisionally adjust the store account and filed.

If approved by the Naval Board, the Senior Officer is to be informed. Copy No 3 is to be endorsed with details of the approval.

Part 12—Accounting

Form of Account

130. A record of all stores supplied is to be maintained by each unit on ledger pages, Forms SA206. A separate page showing the Group Class, Catalogue No, Description, Denomination of Quantity, Accounting Classification and Supplying Store Depot Source Code (*see* Paragraph 61) is to be prepared for each description of stores, except in the case of clothing supplied in sizes, when, if considered desirable, one page only need be maintained for each description of stores, eg, Boots, Mens, black, heavy, and the catalogue numbers need not be shown. The pages are to be enclosed in binders, Forms SA288 (AS155). (Each binder will hold approximately 200 pages.)

Arrangement of Forms SA206

131. Forms SA206 are to be arranged in two series (one for permanent stores and one for consumable stores) in numerical order of catalogue number within each Group Class. Pages for clothing supplied in sizes but for which one page only is raised, and items for which a catalogue number has not been allocated are to be arranged alphabetically at the end of the appropriate Group Class.

Posting of Ledgers

132. Ledger entries are to be made, in ink, as follows:

a. *Receipts:*

The date of receipt, voucher number and quantity received are to be entered in the appropriate columns of the Form SA206 and the remains column adjusted.

b. *Internal Issues and Returns:*

(1) Permanent items—*see* Section 9. The remains column is not to be altered.

(2) Consumable items. The date of issue and quantity issued is to be entered on the Form SA206 and the remains column adjusted immediately the issue is made. The quantity shown in the remains column represents the stock on hand and should not include quantities in use.

c. *Returns to Store Depots, Etc:*

The date of issue, registered number of the Stores Return SX28, and quantity returned are to be entered in the appropriate column of the Form SA206 and the remains column adjusted.

d. *Losses, Etc:*
The date of the Loss Voucher Form SA116, voucher number and quantity are to be entered in the appropriate columns of the Form SA206 and the remains column adjusted.

e. *Voucher Number:*
(1) In the column headed 'Voucher Number' on Form SA206 the register code and the registration number only are to be inserted. *For example,* a Form SX22 registered as:

Source	*Year*	*Regr*	*Registration No*
4567	69	W	123

would be entered in the Voucher No Column as W123.
(2) The registration number of Form SX22 is the number shown in the panel endorsed 'Form Code LIV', not that in the panel endorsed 'Back Reference' which is the number of the demand raised by the unit.

Presentations, Relics and Trophies

133. Presentations, Relics and Trophies (PR and T) loaned from Naval sources are to be dealt with in the same manner as accountable stores separate Forms SA206 being raised for each item supplied. The forms, clearly endorsed to indicate that the items are presentations, relics or trophies are to be inserted in a separate PR and T section of the ledger.

Registration of Forms

134. Forms SS1, SS7, SX14, SX15 and SX28. The registration data to be inserted in the relevant boxes of these forms, and the registration procedures are as follows:

a. *Source Box.* Each unit has been allocated a four numeric character Source Identification Code for EDP Purposes (*see* Annex F). The individual code of the ship or establishment raising the document is to be inserted.

b. *Year Box.* The last two digits of the calendar year in which the document was registered (eg 69) are to be inserted.

c. *Register Box.* The register code (*see* Sub-paragraph h) indicating the individual registration series used for a particular type of document is to be inserted.

d. *Registration Number Box.* The registration numbers allocated by units are to commence at one at the beginning of each calendar year. One series of registration number is to be used for each registration code (*see* Sub-paragraph h). A check list of registration numbers is to be maintained for each series. The registration number is to comprise from one to seven numeric characters. Alphabetic characters, punctuation marks or other symbols must not be included in this box.

e. *Item Sequence Number.* Every line item on a store document (indicated by a Group Class and Catalogue No) is to be given an Item Sequence Number which is to be inserted in the 'SEQ NO' column on the form. The first item is to be numbered one and succeeding items are to be numbered in an unbroken series from two to the maximum permitted by the form. The number of the terminating item on the form is to bear the suffix 'F' to indicate that it is the final item on the form. If a sequence number has been allocated but the line is to be ignored, the line is to be voided by inserting the letter V after the line number, eg 6V.

f. *Registration Control.* Check lists (registers) of registration numbers (*see* Sub-paragraph d) are to be maintained. The following information is to be displayed prominently on the cover sheet of each register:
(1) Source Code of the unit.
(2) Register Code (*see* Sub-paragraph h).
(3) Last two digits of the calendar year.
(4) The 'Form Codes' which are permitted to be registered in each register, eg 'SD' in the 'V' Register; 'RSV' in the 'E' Register.

Where more than one type of form is registered under the one register code (eg SX14 and SX15), as each registration number is allocated to a document, the form number—'SX15' etc—is to be inserted against the number in the register. The date is to appear at least once for each day. The register is to be ruled off at the end of each day.

g. At the end of each register year a relevant form, eg SD etc, is to be prepared and registered in the normal manner for each series of forms by the ship or establishment, the registration boxes only being completed and the remainder of the form left blank. The Ø in the DTO box is to be crossed out and the letter 'T' inserted in lieu. This will indicate that this is the final number used in the series for the register year.

h. The register codes allocated for use in the stores organisation at ships and establishments and the types of vouchers, etc, to be registered under each code are as follows:

Form Number	*Form Code*	*Voucher*	*Register Code*	
SS1	SDR	Stocktaking Discrepancy Report	K	
SS7	STC	Survey Voucher	L	
SX14	SD	Stores Demand	V	
SX15	SD	Stores Demand	V	
SX28	RSV	Stores Return	E	
SX20	IV	Issue Voucher	9	Registered at EDP Centre only
SX22	LIV	Local Issue Voucher ..	W or X	Registered at Store Depots only
SX25	RET	Stores Return Voucher ..	E	Registered at Store Depots only
SX28	RSV	Stores Return	E	

135. Forms SA116, SA242 and SG109 are to be registered as follows:

a. Each voucher is to be allocted a separate number. These numbers may be numeric or alpha-numeric as desired.

b. A separate series of numbers, commencing with 1 at the beginning of each calendar year, is to be used for each type of voucher.

c. Where a 'book' or 'file' copy is maintained the 'book' or 'file' copy is to be used as a method of ascertaining the number of the next voucher in the series. Where 'book' or 'file' copies are not maintained, a check list for the purpose of numbering vouchers is to be maintained.

Filing of Vouchers, Etc

136. Forms SS1, SS7, SX14, SX15, SX20, SX21, SX22, SX25 and SX28 are to be filed in numerical sequence of the registration number under the appropriate form Register Code. For example, a Form SS7 registered as 4567 68 L 123 would be filed

under L 123. In the case of vouchers registered at the EDP Centre or store depots, the voucher is to be filed under the store depot number. Care is to be taken to ensure that the 'Back Reference' details shown on the form are not used for this purpose. Separate files are to be maintained for Stores Returns (RSVs) and Stores Return Vouchers (RETs), both of which are registered under code 'E'.

137. Forms SA116, SA242 and SG109 are to be filed by type of voucher in order of the units registered number.

137A. Forms SX125 and SX126 (AS549) are to be filed in order of Reserve Establishments registered numbers.

138. Binders for filing vouchers, etc, as follows, are available from SVSO (Stationery Section), Source Code 5819:

7510-66-019-2182 Binder, loose leaf, 9 inches × 13½ inches—for Forms SS1, SS7, SA116, SA242, SG109, SX20, SX21, SX22 and SX25.

7530-66-015-8737 Folder, file—for Forms SX14, SX15 and SX28,

and are to be used as follows:

a. Separate binders are to be used for each register code (*see* Paragraph 136) or type of voucher (*see* Paragraph 137) in use.
b. When a series of vouchers is completed, or the binder is filled, the vouchers are to be removed from the binder and placed in an envelope or parcelled. The envelope or parcel is to be suitably labelled and retained pending examination of the account.
c. The binders are to be re-used for another series of vouchers.

Uniform—Unit Issues and Replacements

139. Units are to raise an Issue Card (Form PH224) for each cadet or PH225 for each officer or instructor and every item of uniform issued is to be recorded thereon together with the date of issue. The card is to be signed by the person concerned in acknowledgment of issue. When uniforms are returned entries are to be made on the card showing the items returned and the date and the entries signed by the person returning the uniforms. When uniforms issued to cadets are replaced for any reason, entries are to be made on the Issue Card showing the issues and returns as appropriate.

Inspections and Audits

140. Inspections and audits of stores ledgers, etc, will be made by Naval representatives and may be made by representatives of the Commonwealth Auditor-General.

Part 13—Musters

Half Yearly Musters

141. All stores are to be mustered by two officers or instructors of the unit concerned on 31 March and 30 September of each year or as near as possible to these dates.

Record of Musters Carried Out

142. Details of all stocktakings are to be recorded in a permanent record of stocktaking which is to comprise loose leaf single item stocktaking pages (Forms SS123 (AS148P and SS121 (AS148C)) which are printed in colours as indicated below and are to be used for the classes of stores shown:

SS123 (AS148P)—Permanent items (Pink).

SS121 (AS148C)—Consumable items (White).

143. A Form SS123 (AS148P) or SS121 (AS148C) as appropriate, is to be prepared for each item for which a Form SA206 is held in the ledger. The forms are to be arranged in the same order as the Forms SA206 but in one series irrespective of whether they are for permanent or consumable items. The forms are to be enclosed in binders, Form SA288 (AS155).

Mustering Procedure

144. The procedures to be followed in mustering stores are as follows:

a. The articles are to be counted, measured, etc, as appropriate, the items then located in the stocktaking record and the quantities found on muster inserted in ink or indelible pencil in the relevant column of the stocktaking record.
b. Before the figures shown in the stocktaking record are compared with the ledger balances, all vouchers in respect of transactions which have occurred up to the commencement of the muster are to be posted to the ledgers, and care is to be taken to ensure that any transactions occurring after stock count but before reconciliation with the account are taken into consideration.
c. Discrepancies disclosed as a result of the muster are to be investigated immediately. The initial check should be to establish that all outstanding vouchers are posted (*see* Sub-paragraph b above). Where a discrepancy can be traced to an error concerning a specific voucher or transaction, the incorrect voucher or ledger posting is to be adjusted. Discrepancies adjusted in this manner are not to be shown on Loss Vouchers. It should be ascertained that ledger balances are correct, and definitely established that items deficient on muster cannot be traced. In the case of differences in catalogue number or description, the correct designation of the item concerned should be established beyond doubt.

Reporting of Musters

145. The Commanding Officer is to inform the Senior Officer of the results of the musters within one month thereof. After completion of the necessary investigations discrepancies remaining are to be reported on, and the ledgers adjusted by Stocktaking Discrepancy Reports (SDRs) (Form SS1) or Loss Vouchers (Form SA116). SDRs or Forms SA116 are to be utilised in the following circumstances:

a. SDRs—to take on charge surpluses and to adjust accounting errors (ie cases where items are deficient and there are offsetting or compensating surpluses of items of like nature). SDRs are to be prepared and dealt with as detailed in Paragraphs 146 to 148.
b. Forms SA116—to remove from charge deficiencies other than those shown in a. The normal losses procedure referred to in Section 11 is also to be followed in such cases.

Stocktaking Discrepancy Reports (SDRs)

146. SDRs are to be prepared in duplicate and signed by the Commanding Officer.

147. Detailed instructions for the preparation of SDRs are contained in Annex A.

148. The copies of the SDRs are to be disposed of as follows:

Original .. To be forwarded to the Senior Officer for onforwarding to DSAP. A duplicated form of letter will be used by DSAP to notify that reports have been approved.

Duplicate .. To be filed by the unit as a supporting voucher to the provisional adjustment of the ledgers.

Part 14—Forms

Forms

149. A list of forms to be used together with their catalogue numbers is contained in Annex E. Necessary forms (except Forms SA206), *see* Paragraph 150, are to be obtained on demands prepared and dealt with as detailed in Section 7.

150. Requirements of Forms SA206 which require to be serially numbered before issue, are to be requested, by letter, from the Senior Inspector (Stores), c/o Superintendent of Supply Administration, Garden Island, NSW 2000. Stores demands are not to be used. When received, the Forms SA205 will be accompanied by Forms SA252 (AS155A) detailing the numbers allocated to the forms. As the forms are taken into use, the group class and catalogue numbers or description of the items for which the form is to be used is to be inserted against the relevant form number.

151. Navy Order 480 of 1968 is hereby cancelled.

ANNEX A

Instructions for Preparation of Forms

1. Form SA242—Application for Stores in Excess of Allowances

Procedure for completing Section A (by unit).

Insert in appropriate boxes/columns the undermentioned information.

No entries are to be made in spaces not mentioned:

From:	*Name of Unit*
Originators Serial Number	Units registered number of this form immediately followed by an oblique stroke and the last two digits of the year when raised, eg '1/68' (*see* Paragraph 135).
To:	The title of the Divisional Senior Officer.
Group Class Catalogue Numbers ..	The Group Class and Catalogue Numbers of the additional items requested. Where this information is not known the Naval Liaison Officer should be requested to ascertain the details.
Description	Brief name of the item.
Denomination of Quantity ..	As applicable.
Allowance	As applicable.
Present	
Proposed	
Now Required Quantity: Value ..	As applicable. When the value is not known the Naval Liaison Officer should be requested to ascertain the details.
Full Reason for Requirements ..	Explain why the additional items are required. It is necessary that only items essential (not merely desirable) for the efficient operation of the unit are requested.
Signature of Demanding Officer ..	The signature of the units Commanding Officer. The name of the officer is to be typed or printed in block letters immediately under the signature.

ANNEX A—*continued*

2. Stocktaking Discrepancy Report—SS1 Form Code 'SDR'

(*See* Paragraphs 146 to 148)

Information to be Inserted by The Originator

Insert in appropriate boxes/columns of the form the undermentioned information:

Source	Mandatory. The code number allocated the unit (*see* Annex F).
Year	Last two digits of current year, eg '69'.
Reg'r	The letter 'K' indicating a SDR.
Registration No	Units registered number for the voucher (*see* Paragraph 134).
Message Type	Not to be completed by unit.
For DTO Use	Not to be completed by unit.
Group Class	The Group Class of the items detailed.
Seq No	Sequential line number commencing with the numeral '1' for the first line containing data and a sequential number allotted to every other line containing data. 'Seq No' of the last data line is to have the character 'F' as a suffix, eg '12F'. Blank lines are not numbered. If a 'Seq No' has been allocated but the line information is to be ignored, the line should be voided by inserting the character 'V' after the line number, eg '7V'.
Catalogue No	The Catalogue number of the item as shown in the ledger.
Page/Line	Not to be completed by unit.
Short Name	A brief description of the item, eg 'STRETCHERS, AMBULANCE'.
CL	Accounting Classification for the item as shown in the allowance of stores.
D of Q	Denomination of Quantity as shown in the allowance of stores.
Ledger Balance	As shown on the relevant stock record.
Condition Code	Appropriate numeric Condition Code for the item as shown on the relevant stock record. Applicable Condition Codes are: 1. Serviceable. 3. Repairable. 4. Unserviceable.

Deficient

Quantity	Quantity deficient as shown on the relevant stocktaking record (fractions expressed in decimal form), otherwise leave empty.
Value	Value of deficiency, otherwise leave empty.

ANNEX A—*continued*

Surplus

Quantity .. .. Quantity surplus as shown on the relevant stocktaking record (fractions expressed in decimal form), otherwise leave empty.

Value .. .. Value of surplus, otherwise leave empty. Other boxes/columns on the form are to be completed as required.

3. Form SS7—Survey, Transfer and Conversion Voucher

a. Form SS7 is to be prepared in triplicate when local survey is required. Copy numbers are to be inserted in the top right-hand corner of each copy.

b. The undermentioned particulars are to be inserted in the appropriate boxes/columns of the form by the unit:

Type of Stores .. .. .. Category of stores as shown in Allowance of Stores, eg Victualling, Naval, etc.

For Stores Located at .. .. Precise location of stores, eg drill hall, parade ground, etc.

Ship or Establishment .. .. Name of unit.

Source .. .. Code number allocated to the unit (*see* Annex F, eg '1234').

Year .. .. Last two digits of current year to be shown, eg '68'.

Reg'r .. .. The letter 'L'.

Registration No .. .. .. Units registered number for this voucher. Survey vouchers to be numbered sequentially from '1' at the beginning of each calendar year (*see* Paragraph 134).

Seq No (sequence No) .. .. Number each item on form sequentially from '1'. The last item on each form is to be indicated by the insertion of the letter 'F' after the sequential number, eg, if three items only are included on the form the sequential number for the third item would be shown as 3F.

Group Class .. .. .. The Group Class of the item as shown in the Allowances of Stores, eg '0628'.

Catalogue No .. .. .. The Catalogue Number of the item as shown in the Allowances of Stores, eg '12345'.

Short Name .. .. .. A brief description of the item, eg 'STRETCHERS, AMBULANCE'.

D of Q .. .. Denomination of Quantity as shown in the Allowances of Stores, eg 'NO'.

Quantity Issue for Survey .. .. The quantity requiring survey.

Reason for Survey, Transfer or Conversion The particulars required to be included in accordance with Paragraph 125 b.

ANNEX A—*continued*

c. The Surveying Officers are to indicate the result of the survey by completing the undermentioned spaces (panels/columns) of the form:

Quantity Received or Survey Report .. The quantity found in the condition surveyed as indicated in the condition code in the panel at the top centre of the form.

Code—Condition .. .. .. The condition code of the quantity surveyed, eg '3' for repairable items.

We/I Have Surveyed, Etc .. .. To be signed by the officers surveying the stores. The name of each officer is to be typed or printed in block letters immediately under his signature.

Note: In the event of the deterioration being due to other than fair wear and tear this is to be clearly stated.

d. After approval when the articles are to be destroyed or brought to produce (*see* Paragraph 125 e), the certificate 'I certify that articles have been..... destroyed or brought to produce.....' is to be signed by the Commanding Officer of the unit.

Note: 1. In the RAN, Forms SS7 are used as Transfer and Conversion Vouchers as well as Survey Vouchers. Because of this and certain other reasons the following boxes/columns on the front of the form are not to be completed by the unit or Surveying Officers:

TO
FROM
MESSAGE TYPE
FOR DTO USE
D OF Q CODE
POSTING CODE
CODES—USAGE
ORIGINAL VALUE
SALE
WRITE-OFF
DOWN GRADING
RECOMMENDATIONS OF SURVEYING OFFICERS
Are Approved/Concurred In.
RECEIVED STORES, ITEM NUMBERS AS SHOWN.

2. Apart from completing the Routeing Instructions by addressing copies Nos 1 and 2 of the form to the Director of Reserves, the panels on the back of the form are not to be completed by the unit or Surveying Officers.

4. Form SX14 and SX15—Stores Demand

Insert in appropriate boxes/columns of the form the undermentioned information. (*Note:* For guidance of demanding officers, the boxes/columns which are not to be completed by the demanding unit are also detailed.)

Issue Authorised .. .. .. Form SX14 only. Not to be completed by demanding unit.

Source .. .. The code number allocated the unit (*see* Annex F), eg '1456'.

ANNEX A—*continued*

Year	Last two digits of current year to be shown, eg '68'.
Reg'r (Register)	The letter 'V' indicating a demand.
Registration No	Demanding units registered number for this demand. (*See* Paragraph 134.)
Message Type	Form SX15 only. Code is preprinted on form.
For DTO Use	Form SX15 only. Not to be completed by unit.
Consignee Code	The code number allocated the unit (*see* Annex F) is to be inserted.
Consignee	Name of demanding unit.
Remarks	Any applicable remarks. Where the address for delivery of the stores varies from that shown in Annex F, the desired address is to be shown in this box. A maximum of 40 characters, including spaces (starting from the left of the box) may be used in this box for demands on Forms SX15.
Store Depot Code	Unit identification code of store depot on which demand is placed. *See* Paragraph 61.
Date Required	This information is optional. Date on which delivery of the stores is required. Any date stated is to be expressed in the form '070CT68' or '130CT 68'—with no spaces between characters.
Due Out Long Term Code	Not to be completed by unit.
Officer Demanding Stores	Signature and rank of units Commanding Officer. The name is to be typed or printed immediately under signature.
Seq No (Sequence No)	Number each item on form sequentially from '1' (*see* Paragraph 134). The last item on each form is to be indicated by the insertion of the letter 'F' after the sequential number, eg if three items only are included on the form the sequential number for the third item is to be shown as 3F. If a sequence number has been allocated but the line is to be ignored, the line is to be voided by inserting the letter 'V' after the line number, eg 5V.
Group Class	The Group Class of the item as shown in the Allowances of Stores, eg '0575'.
Catalogue No	Catalogue number of the item as shown in the Allowances of Stores, eg '51487'.
Short Name	A brief description of the item, eg 'RULERS, PARALLEL'.

ANNEX A—*continued*

D of Q	Denomination of Quantity as shown in the Allowances of Stores, eg 'NO'.
CL	Accounting Classification for the item as shown in the Allowances of Stores, eg 'P'.
Reason Code	One of the following codes: 1—if demand is to replenish stock on non-accountable items within the allowance. 2—if demand is for items in replacement of defective accountable items being returned to a store depot, etc, for survey or being surveyed locally. Particulars of the Stores Return, Form SX28, or Survey Voucher, Form SS7, are to be included in the 'Remarks' panel. (*See* Paragraphs 83-85.) 3—if demand is for items to complete to allowance of accountable items. When it is to replace items lost or damaged, details of the Loss Voucher and Navy Office file number are to be included in the 'Remarks' panel.
Usage Code	Not to be completed by demanding unit.
Stowage Location	Completion is optional. Limited to eight characters, including spaces.
Quantity Required	As applicable. To be shown in numeric form, eg '12'. Part of the standard D of Q is to be shown in decimal form to the nearest two places, eg '3 5/8' as '3.63'.
Quantity Onboard	Quantity on ledger charge in unit at time of preparing demand. To be shown in numeric form—whole number only. Insert Ø (zero) if applicable.
Quantity Allowed or 12 Months Exp	Quantity allowed as shown in the Allowances of Stores. To be shown in numeric form—whole number only. Insert Ø (zero) if applicable. Commanding Officers are to inform the Senior Officer of changes in the following as they occur: (a) Name and address for forwarding of dispatch details. (b) Address for forwarding stores. The Senior Officer is to inform all Store Authorities of these changes without delay.

ANNEX A—*continued*

5. Form SX28—Stores Return

a. Remove the two sheets of protective flimsy paper from sets.

b. When being handwritten the set of forms is to be placed on a metal or plastic writing sheet to ensure a good impression. When being typewriten, the special backing sheet (*see* Paragraph 64) it so be placed behind the set.

c. When an additional copy is required (*see* Paragraphs 118b and 119c) a sheet of flimsy is to be inserted behind the ships copy with carbon paper between.

d. Insert in appropriate boxes/columns of the form the undermentioned information. (*Note:* For guidance of returning officers the boxes/columns which are not to be completed by the returning unit are also detailed.)

Store Depot Use Only	Not to be completed by returning unit.
Officer Returning Stores	Signature and rank of units Commanding Officer. Name to be typed or printed in block letters immediately under signature.
Source	The code number allocated to the unit (*see* Annex F, eg '1456').
Year	Last two digits of current year to be shown, eg '68'.
Reg'r (Register)	The letter 'E', indicating a RSV.
Registration No	Returning units registered number for this return (*see* Paragraph 134).
In Lieu of Items Demanded on ..	When replacements have been demanded the registered number of the Stores Demand raised to demand the replacement items is to be shown, eg 'SX14/15'.
Returned to	Identification code of store depot to which items are being returned.
Remarks	Any applicable remarks. The method of returning the items (*see* Paragraphs 118 and 119) is to be entered in this panel and if they are dispatched by rail, road, sea, etc, details of the package numbers consignment note, etc, are to be included.
Reason for Return	As appropriate.
Seq No (Sequence No)	Number each item on form sequentially from '1'. *See* Paragraph 134. The last item on each form is to be indicated by the insertion of the letter 'F' after the sequential number, eg if three items only are included on the form the sequential number for the third item is to be shown as 3F. If a sequence number has been allocated but the line is to be ignored, the line is to be voided by inserting the letter 'V' after the line number, eg 5V.

ANNEX A—*continued*

Group Class	The Group Class of the item as shown in the Allowances of Stores, eg '0581'.
Catalogue No	Catalogue number of the item as shown in the Allowance of Stores, eg '51467'.
Short Name	A brief description of the item, eg 'DINGHY, SAILING'.
D of Q	Denomination of Quantity as shown in the Allowances of Stores, eg 'NO'.
CL	Accounting classification for the item as shown in the Allowances of Stores, eg 'P'.
Quantity Returned	As applicable.

ANNEX B

Clothing Scales

(For sizes, Group Class and Catalogue Nos—*See* Annex C)

Scale 1—Officers

a. *In Units in Temperate Areas*

Group Class	*Catalogue No*	*Item*	*Qty*	*Replacements*
V3	30221	Coat, undress, officer, serge No 2, M to M	1 No	six years
V3	31555	Trousers, officer, serge No 2 M to M ..	1 Pr	
V3	20430–43	Cap, service, peaked, white detachable plastic top	1 No	four years
V3	67005	Cap, badge, officer	1 No	
V3	67844	Plate, cap, badge, ASCC	1 No	
V3	22160–6	Raincoat, proofed, nylon	1 No	
V3	22501–10	Shirt, mans, poplin, white, double cuff	2 No	three years
V3	20714–27	Collar, stiff, white, style 1	2 No	
V3	21745	Necktie, black, rayon	1 No	
V3	20239–70	Boot, mans, black, light	1 Pr	
V3	35410–9	Shirt, mans, action working	1 No	four years
V3	23171–6	Socks, mans, woollen, black ..	2 Pr	
V3	35668–1/87–1	Trousers, mens, action working ..	1 Pr	
V3	31254–7	Shoulder straps	1 Pr	six years

b. *In Units in Hot Weather Areas*

All items in a. plus

V3	30461–4	Cummerbund, mans	1 No	four years
V3	22775–815	Shoe, dress, canvas, white	1 Pr	
V3	31060–71	Shirt, mans, white, tropical, officer ..	1 No	
V3	35594–615	Shorts, mens, white, tropical.. ..	1 Pr	
V3	23274–5	Stockings, mens, stretch, white (small and large)	2 Pr	

ANNEX B—*continued*

c. *In Units in Tropical Areas*

Group Class	Catalogue No	Item	Qty	Replacements
V3	31555	Trousers, officer, serge No 2, M to M ..	1 Pr	
V3	31254–7	Shoulder straps	1 Pr	
V3	30695–711	Jacket, mans, cloth, wool serge No 2, working dress	1 No	six years
V3	20430–43	Cap, service, peaked, white, detachable plastic top	1 No	
V3	67005	Cap, badge, officer	1 No	
V3	67244	Badge, cap, plate, ASCC for cap badge	1 No	
V3	30461–4	Cummerbund, mans	1 No	
V3	31060–71	Shirt, mans, tropical, white, officer ..	2 No	
V3	35410–9	Shirt, mans, action working	1 No	four years
V3	22775–815	Shoe, dress, canvas, white	1 Pr	
V3	35490–511	Shorts, mens, blue	1 Pr	
V3	35594–615	Shorts, mens, white, tropical.. ..	2 Pr	
V3	23171–6	Socks, mens, woollen, black	2 Pr	
V3	23263–4	Stockings, mens, stretch, blue ..	1 Pr	
V3	23274–5	Stockings, mens, stretch, white ..	2 Pr	
V3	20239–70	Boot, mans, light, black	1 Pr	three years
V3	22160–6	Raincoat, proofed nylon	1 No	four years

Scale 2—Chief Petty Officer, Instructor and Petty Officer Instructor

a. *In Units in Temperate Areas*

V3	—	Badges	As necessary	
V3	34076–88	Coat, mans, cloth, wool, serge No 2, CPO or PO	1 No	
V3	34140	For made to measure PO	—	
V3	34110	For made to measure CPO	—	six years
V3	35851–63	Trousers, mens, cloth, wool, serge No 2, Class I and III	1 Pr	
V3	35875	For made to measure CPO and PO ..	—	
V3	20430–43	Cap, service, peaked, white, detachable plastic top	1 No	
V3	—	Badge, cap, CPO or PO	1 No	four years
V3	67244	Plate, cap, badge, ASCC	1 No	
V3	22160–6	Raincoat, proofed nylon	1 No	
V3	20239–70	Boot, mans, black, light	1 Pr	
V3	20714–27	Collar, stiff, white, style 1	2 No	three years
V3	21745	Necktie, black, rayon	1 No	
V3	22501–10	Shirt, mans, poplin, white, double cuff	2 No	
V3	23171–6	Socks, mens, woollen, black	2 Pr	
V3	35410–9	Shirt, mans, action working	1 No	four years
V3	35668–1/87–1	Trousers, mens, action working ..	1 Pr	

b. *In Units in Hot Weather Areas*

All items in a. plus

V3	22775–815	Shoe, dress, canvas, white	1 Pr	
V3	35594–615	Shorts, mens, white, tropical.. ..	1 Pr	
V3	35470–80	Shirt, mans, white, tropical	1 No	four years
V3	23274–5	Stockings, mens, stretch, white (small and large)	2 Pr	
V3	67025	Badge, collar, CPO (CPOs only) ..	1 Pr	

ANNEX B—*continued*

c. *In Units in Tropical Areas*

Group Class	Catalogue No	Item	Qty	Replacements
V3	—	Badges	As necessary	
V3	35851–63	Trousers, mans, cloth, wool serge No 2, Class I and III	1 Pr	
V3	34499–521	Jacket, serge No 1 working dress, NAA	1 No	six years
V3	240430–43	Cap, service, peaked, white, detachable plastic top	1 No	
V3	—	Badge, cap, CPO or PO	1 No	four years
V3	67288	Plate, cap, badge, ASCC	1 No	
V3	22160–6	Raincoat, proofed nylon	1 No	
V3	20239–70	Boot, mans, black, light	1 Pr	three years
V3	35470–80	Shirt, mans, white, tropical	2 No	
V3	35410–9	Shirt, mans, action working	1 No	
V3	22775–815	Shoe, dress, canvas, white	1 Pr	
V3	35490–511	Shorts, blue, tropical	1 Pr	
V3	35594–615	Shorts, mens, white, tropical.. ..	2 Pr	four years
V3	23171–6	Socks, mens, woollen, black	2 Pr	
V3	23263–4	Stockings, mens, stretch, blue ..	1 Pr	
V3	23274–5	Stockings, mens, stretch, white ..	2 Pr	
V3	67025	Badge, collar, CPO (CPOs only) ..	1 Pr	

Scale 3—Cadets

a. *Units in Temperate Areas*

V3	—	Badges	As necessary	
V3	20020	Bag, kit, drill, small, blue	1 No	
V3	20194–222	Boot, mans, black, heavy	1 Pr	
V3	20471–1/85–1	Cap, service, white, Class II, plastic topped	1 No	
		Collar, seamans, blue	1 No	
V3	34409–13	Flannel, mans, cotton	2 No	
V3	34596–1/622–1	Jumper, mans, cloth, wool, serge No 1	1 No	
V3	21671	Lanyard, knife	1 No	
V3	22160–6	Raincoat, proofed nylon	1 No	
V3	35313	Ribbon, service, cap, metal thread, Sea Cadet Corps	1 No	
V3	35300	Ribbon, service, cap, metal thread, RANR Cadet	1 No	four years
V3	22345	Scarf, neckwear, black	1 No	
V3	35410–9	Shirt, mans, action working	1 No	*
V3	23171–6	Socks, mens, woollen, black	2 Pr	
V3	23422–30	Sweater, mans, blue, square neck ..	1 No	
V3	67248	Badge, cuff, Sea Cadet Corps ..	1 No	
V3	63443	Badge, cuff, RANR	1 No	
V3	63085	Letter C	1 No	
V3	35668–1/87–1	Trousers, mens, action working ..	1 Pr	*
V3	35770–88	Trousers, mens, cloth, wool serge No 1, Class II	1 Pr	

b. *Units in Hot Weather Areas*

All items in a. plus

V3	35490–511	Shorts, mens, blue	1 Pr	*
V3	35594	Shorts, mens, white, tropical.. ..	1 Pr	four years
V3	23263–4	Stockings, mens, stretch, blue ..	1 Pr	

ANNEX B—*continued*

c. *Units in Tropical Areas*

Group Class	*Catalogue No*	*Item*	*Qty*	*Replacements*
V3	—	Badges	As necessary	
V3	20020	Bag, kit, drill, small, blue	1 No	
V3	20194–222	Boot, mans, black, heavy	1 Pr	
V3	20471–1/85–1	Cap, service, white, Class II, plastic topped	1 No	
V3	34409–13	Flannel, mans, cotton	2 No	
V3	21671	Lanyard, knife	1 No	
V3	22160–6	Raincoat, proofed nylon	1 No	
V3	35313	Ribbon, service, cap, metal thread, Sea Cadet Corps	1 No	
V3	35300	Ribbon, service, cap, metal thread, RANR Cadet	1 No	four years
V3	35410–9	Shirt, mans, action working	1 No	*
V3	35490–511	Shorts, mens, blue	1 Pr	*
V3	35594–615	Shorts, mens, white, tropical.. ..	2 Pr	
V3	23171–6	Socks, mens, woollen, black	2 Pr	
V3	23263–4	Stockings, mens, stretch, blue ..	1 Pr	
V3	35770–88	Trousers, mens, cloth, wool, serge No 1, Class II	1 Pr	
V3	23422–30	Sweater, mans, blue, square neck ..	1 No	

* Not to be issued prior to commencement of first period of continuous training.

ANNEX C

Clothing Measurements and Sizes and Badges

Group/Class V1

Catalogue No	
10125	Button, ASCC, $\frac{7}{8}$ inch
10126	Button, ASCC, $\frac{9}{16}$ inch

Group/Class V2

20194	Boot, mans, black, heavy, fitting 5, size 4
20195	Boot, mans, black, heavy, fitting 5, size 5
20196	Boot, mans, black, heavy, fitting 5, size 6
20197	Boot, mans, black, heavy, fitting 5, size 7
20198	Boot, mans, black, heavy, fitting 5, size 8
20199	Boot, mans, black, heavy, fitting 5, size 9
20200	Boot, mans, black, heavy, fitting 5, size 10
20201	Boot, mans, black, heavy, fitting 5, size 11
20202	Boot, mans, black, heavy, fitting 5, size 12
20203	Boot, mans, black, heavy, fitting 5, size 13
20213	Boot, mans, black, heavy, fitting 6, size 4
20214	Boot, mans, black, heavy, fitting 6, size 5
20215	Boot, mans, black, heavy, fitting 6, size 6
20216	Boot, mans, black, heavy, fitting 6, size 7
20217	Boot, mans, black, heavy, fitting 6, size 8
20218	Boot, mans, black, heavy, fitting 6, size 9

ANNEX C—*continued*

Catalogue No	
20219	Boot, mans, black, heavy, fitting 6, size 10
20220	Boot, mans, black, heavy, fitting 6, size 11
20221	Boot, mans, black, heavy, fitting 6, size 12
20222	Boot, mans, black, heavy, fitting 6, size 13
20239	Boot, mans, black, light, fitting 5, size 2
20240	Boot, mans, black, light, fitting 5, size 3
20241	Boot, mans, black, light, fitting 5, size 4
20242	Boot, mans, black, light, fitting 5, size 5
20243	Boot, mans, black, light, fitting 5, size 6
20244	Boot, mans, black, light, fitting 5, size 7
20245	Boot, mans, black, light, fitting 5, size 8
20246	Boot, mans, black, light, fitting 5, size 9
20247	Boot, mans, black, light, fitting 5, size 10
20248	Boot, mans, black, light, fitting 5, size 11
20249	Boot, mans, black, light, fitting 5, size 12
20250	Boot, mans, black, light, fitting 5, size 13
20261	Boot, mans, black, light, fitting 6, size 4
20262	Boot, mans, black, light, fitting 6, size 5
20263	Boot, mans, black, light, fitting 6, size 6
20264	Boot, mans, black, light, fitting 6, size 7
20265	Boot, mans, black, light, fitting 6, size 8
20266	Boot, mans, black, light, fitting 6, size 9
20267	Boot, mans, black, light, fitting 6, size 10
20268	Boot, mans, black, light, fitting 6, size 11
20269	Boot, mans, black, light, fitting 6, size 12
20270	Boot, mans, black, light, fitting 6, size 13
20430	Cap, peaked, white, detachable plastic top, size $6\frac{1}{8}$
20431	Cap, peaked, white, detachable plastic top, size $6\frac{1}{4}$
20432	Cap, peaked, white, detachable plastic top, size $6\frac{3}{8}$
20433	Cap, peaked, white, detachable plastic top, size $6\frac{1}{2}$
20434	Cap, peaked, white, detachable plastic top, size $6\frac{5}{8}$
20435	Cap, peaked, white, detachable plastic top, size $6\frac{3}{4}$
20436	Cap, peaked, white, detachable plastic top, size $6\frac{7}{8}$
20437	Cap, peaked, white, detachable plastic top, size 7
20438	Cap, peaked, white, detachable plastic top, size $7\frac{1}{8}$
20439	Cap, peaked, white, detachable plastic top, size $7\frac{1}{4}$
20440	Cap, peaked, white, detachable plastic top, size $7\frac{3}{8}$
20441	Cap, peaked, white, detachable plastic top, size $7\frac{1}{2}$
20442	Cap, peaked, white, detachable plastic top, size $7\frac{5}{8}$
20443	Cap, peaked, white, detachable plastic top, size $7\frac{3}{4}$
20471–1	Cap, white, class II, plastic top, size 6
20472–1	Cap, white, class II, plastic top, size $6\frac{1}{8}$
20473–1	Cap, white, class II, plastic top, size $6\frac{1}{4}$
20474–1	Cap, white, class II, plastic top, size $6\frac{3}{8}$
20475–1	Cap, white, class II, plastic top, size $6\frac{1}{2}$
20476–1	Cap, white, class II, plastic top, size $6\frac{5}{8}$
20477–1	Cap, white, class II, plastic top, size $6\frac{3}{4}$
20478–1	Cap, white, class II, plastic top, size $6\frac{7}{8}$

ANNEX C—*continued*

Catalogue No	
20479–1	Cap, white, class II, plastic top, size 7
20480–1	Cap, white, class II, plastic top, size 7⅛
20481–1	Cap, white, class II, plastic top, size 7¼
20482–1	Cap, white, class II, plastic top, size 7⅜
20483–1	Cap, white, class II, plastic top, size 7½
20484–1	Cap, white, class II, plastic top, size 7⅝
20485–1	Cap, white, class II, plastic opt, size 7¾
20714	Collar, shirt, stiff, style I, size 12
20715	Collar, shirt, stiff, style I, size 12½
20716	Collar, shirt, stiff, style I, size 13
20717	Collar, shirt, stiff, style I, size 13½
20718	Collar, shirt, stiff, style I, size 14
20719	Collar, shirt, stiff, style I, size 14½
20720	Collar, shirt, stiff, style I, size 15
20721	Collar, shirt, stiff, style I, size 15½
20722	Collar, shirt, stiff, style I, size 16
20723	Collar, shirt, stiff, style I, size 16½
20724	Collar, shirt, stiff, style I, size 17
20725	Collar, shirt, stiff, style I, size 17½
20726	Collar, shirt, stiff, style I, size 18
20727	Collar, shirt, stiff, style I, size 18½

Raincoat, mans, proofed nylon

Catalogue No	*Size*	*Length at Centre Back (from collar seam to Bottom hem)*	*Chest (buttoned)*	*Size of collar (buttoned)*
22160	3	46 inches	51 inches	16½
22162	5	47½ inches	52 inches	16½
22164	7	49 inches	53 inches	17¼
22166	9	52 inches	56 inches	17¾

Catalogue No	
22501	Shirt, mans, white, poplin, double cuff, size 13½
22502	Shirt, mans, white, poplin, double cuff, size 14
22503	Shirt, mans, white, poplin, double cuff, size 14½
22504	Shirt, mans, white, poplin, double cuff, size 15
22505	Shirt, mans, white, poplin, double cuff, size 15½
22506	Shirt, mans, white, poplin, double cuff, size 16
22507	Shirt, mans, white, poplin, double cuff, size 16½
22508	Shirt, mans, white, poplin, double cuff, size 17
22509	Shirt, mans, white, poplin, double cuff, size 17½
22510	Shirt, mans, white, poplin, double cuff, size 18
22775	Shoe, dress, canvas, white, leather heel, fit 5, size 4
22776	Shoe, dress, canvas, white, leather heel, fit 5, size 5
22777	Shoe, dress, canvas, white, leather heel, fit 5, size 6
22778	Shoe, dress, canvas, white, leather heel, fit 5, size 7
22779	Shoe, dress, canvas, white, leather heel, fit 5, size 8

ANNEX C—*continued*

Catalogue No	
22780	Shoe, dress, canvas, white, leather heel, fit 5, size 9
22781	Shoe, dress, canvas, white, leather heel, fit 5, size 10
22782	Shoe, dress, canvas, white, leather heel, fit 5, size 11
22783	Shoe, dress, canvas, white, leather heel, fit 5, size 12
22784	Shoe, dress, canvas, white, leather heel, fit 5, size 13
22785	Shoe, dress, canvas, white, leather heel, fit 5, size 14
22806	Shoe, dress, canvas, white, leather heel, fit 6, size 5
22807	Shoe, dress, canvas, white, leather heel, fit 6, size 6
22808	Shoe, dress, canvas, white, leather heel, fit 6, size 7
22809	Shoe, dress, canvas, white, leather heel, fit 6, size 8
22810	Shoe, dress, canvas, white, leather heel, fit 6, size 9
22811	Shoe, dress, canvas, white, leather heel, fit 6, size 10
22812	Shoe, dress, canvas, white, leather heel, fit 6, size 11
22813	Shoe, dress, canvas, white, leather heel, fit 6, size 12
22814	Shoe, dress, canvas, white, leather heel, fit 6, size 13
22815	Shoe, dress, canvas, white, leather heel, fit 6, size 14
23171	Socks, mens, woollen, balck, 9½, size 0, fit boot size 4
23172	Socks, mens, woollen, black, 10, size 1, fit boot size 5
23173	Socks, mens, woollen, black, 10½, size 2, fit boot size 6 and 7
23174	Socks, mens, woollen, black, 11, size 3, fit boot size 8 and 9
23175	Socks, mens, woollen, black, 11½, size 4, fit boot size 10 and 11
23176	Socks, mens, woollen, black, 12, size 5, fit boot size 12 and 13
23263	Stockings, mens, stretch, blue, small
23264	Stockings, mens, stretch, blue, large
23274	Stockings, mens, stretch, white, small
23275	Stockings, mens, stretch, white, large
23422	Sweater, mans, blue, square neck, size 0, 32 inch chest
23423	Sweater, mans, blue, square neck, size 1, 34 inch chest
23424	Sweater, mans, blue, square neck, size 2, 36 inch chest
23425	Sweater, mans, blue, square neck, size 3, 38 inch chest
23426	Sweater, mans, blue, square neck, size 4, 40 inch chest
23427	Sweater, mans, blue, square neck, size 5, 42 inch chest
23430	Sweater, mans, blue, square neck, size 8, 48 inch chest
20020	Bag, kit, blue, small
21671	Lanyard, knife
22345	Scarf, neckwear, black

Group/Class V3

Coat, Mans, cloth, wool, serge No 2, double-breasted with gilt buttons for CPO and PO

Catalogue No	*Size*	*Height*					*Chest of Coat Buttoned Inches*
		Ft	*in*		*Ft*	*in*	
34076	3	5	3	to	5	4	34
34077	3¼	5	3	to	5	4	35
34078	3½	5	7	to	5	8	34
34079	4	5	5	to	5	6	36
34080	4¼	5	5	to	5	6	37

ANNEX C—*continued*

Catalogue No	*Size*	*Height* Ft	in		Ft	in	*Chest of Coat Buttoned Inches*
34081	4½	5	9	to	5	10	36
34082	5	5	7	to	5	8	38
34083	5¼	5	7	to	5	8	39
34084	5½	5	11	to	6	0	38
34085	6	5	9	to	5	10	40
34086	6¼	5	9	to	5	10	41
34087	6½	6	1	to	6	2	40
34088	7	5	11	to	6	0	42

Made to Measure Uniform—Officer

30221	Coat, undress, officers, serge	1 No
31555	Trousers, officers, serge	1 Pr

Jacket, serge, No 1, working dress, NAA, for Chief and Petty Officers

Catalogue No	*Size*	*Height* Ft	in		Ft	in	*Chest Inches*	*Length of Back Inches*
34498	2	5	3	to	5	4	34 to 35	22
34505	5	5	5	to	5	6	36 to 37	22½
34509	8	5	7	to	5	8	37 to 38	23
34510	9	5	7	to	5	8	39 to 40	23
34511	9x	5	7	to	5	8	39 to 40	23
34513	11	5	9	to	5	10	38 to 39	23½
34514	12	5	9	to	5	10	40 to 41	23½
34517	14	5	11	to	6	0	40 to 41	24
34518	15	5	11	to	6	0	42 to 43	24
34520	16	6	1	to	6	2	39 to 40	24½
34521	17	6	1	to	6	2	41 to 42	24½
34535	Made to measure for CPO and PO							

Jacket, mans, cloth, wool, serge No 2, working dress for Officers

Catalogue No	*Size*	*Height* Ft	in		Ft	in	*Chest Inches*	*Length of Back Inches*
30695	2	5	3	to	5	4	34 to 35	22
30698	5	5	5	to	5	6	36 to 37	22½
30701	8	5	7	to	5	8	37 to 38	23
30702	9	5	7	to	5	8	39 to 40	23
30703	9x	5	7	to	5	8	39 to 40	23
30705	11	5	9	to	5	10	38 to 39	23½
30706	12	5	9	to	5	10	40 to 41	23½
30708	14	5	11	to	6	0	40 to 41	24
30709	15	5	11	to	6	0	42 to 43	24
30710	16	6	1	to	6	2	39 to 40	24½
30711	17	6	1	to	6	2	41 to 42	24½
34535	Made to measure for officer							

ANNEX C—*continued*

Jumper, mans, cloth, wool, serge No 1

Catalogue No	*Size*	*Height of Wearer* Ft	in	*Chest of Wearer Inches*	*Length of Body Inches*	*Length of Sleeves Inches*
34597–1	02	5	2	30	25	20
34596–1	01	5	2	32	25	20
34598–1	1	5	4	34	26	21
34599–1	2			36	26	21
34600–1	3			38	26	21
34601–1	4			40	26	21
34602–1	5			42	26	21
34603–1	6	5	6	34	27	22
34604–1	7			36	27	22
34605–1	8			38	27	22
34606–1	9			40	27	22
34607–1	10			42	27	22
34608–1	11	5	8	34	28	23
34609–1	12			36	28	23
34610–1	13			38	28	23
34611–1	14			40	28	23
34612–1	15			42	28	23
34613–1	16	5	10	36	29	24
34614–1	17			38	29	24
34615–1	18			40	29	24
34616–1	19			42	29	24
34617–1	20			44	29	24
34618–1	21	6	0	36	30	25
34619–1	22			38	30	25
34620–1	23			40	30	25
34621–1	24			42	30	25
34622–1	25			44	30	25

Note: Jumpers shown above have to be fitted with button on type Collar.

Jumpers old pattern do not have —1 numbers remain the same, must have old type Collar, ie, with tapes.

Catalogue No	
35410	Shirt, mans, action working, cotton twill, size 13½
35411	Shirt, mans, action working, cotton twill, size 14
35412	Shirt, mans, action working, cotton twill, size 14½
35413	Shirt, mans, action working, cotton twill, size 15
35414	Shirt, mans, action working, cotton twill, size 15½
35415	Shirt, mans, action working, cotton twill, size 16
35416	Shirt, mans, action working, cotton twill, size 16½
35417	Shirt, mans, action working, cotton twill, size 17
35418	Shirt, mans, action working, cotton twill, size 17½
35419	Shirt, mans, action working, cotton twill, size 18

ANNEX C—*continued*

Catalogue No	
34331	Collar, seamans blue, size 1 for old pattern jumper
34332	Collar, seamans blue, size 2 (with tapes)
34333	Collar, seamans blue, size 3
34334	Collar, seamans blue, size 4

Catalogue No	*Chest Size*	
34321	30 inch, 32 inch, 34 inch and 36 inch	New button on type collar for jumpers
34322	38 inch and 40 inch	34597–1 to 34622–1
34323	42 inch and 44 inch	

30461	Cummerbund, mans size 1 waist 30 inches to 34 inches
30462	Cummerbund, mans size 2 waist 34 inches to 38 inches
30463	Cummerbund, mans size 3 waist 38 inches to 42 inches
30464	Cummerbund, mans size 4 waist 42 inches to 46 inches
34409	Flannel, cotton, size 1, chest 34 inches
34410	Flannel, cotton, size 2, chest 36 inches
34411	Flannel, cotton, size 3, chest 38 inches
34412	Flannel, cotton, size 4, chest 40 inches
34413	Flannel, cotton, size 5, chest 42 inches
31060	Shirt, mans, short sleeve, officer, size 13: white tropical
31061	Shirt, mans, short sleeve, officer, size 13½: white tropical
31062	Shirt, mans, short sleeve, officer, size 14: white tropical
31063	Shirt, mans, short sleeve, officer, size 14½: white tropical
31064	Shirt, mans, short sleeve, officer, size 15: white tropical
31065	Shirt, mans, short sleeve, officer, size 15½: white tropical
31066	Shirt, mans, short sleeve, officer, size 16: white tropical
31067	Shirt, mans, short sleeve, officer, size 16½: white tropical
31068	Shirt, mans, short sleeve, officer, size 17: white tropical
31069	Shirt, mans, short sleeve, officer, size 17½: white tropical
31070	Shirt, mans, short sleeve, officer, size 18: white tropical
31071	Shirt, mans, short sleeve, officer, size 18½: white tropical
35470	Shirt, mans, white, tropical, RANC/CPO, size 13
35471	Shirt, mans, white, tropical, RANC/CPO, size 13½
35472	Shirt, mans, white, tropical, RANC/CPO, size 14
35473	Shirt, mans, white, tropical, RANC/CPO, size 14½
35474	Shirt, mans, white, tropical, RANC/CPO, size 15
35475	Shirt, mans, white, tropical, RANC/CPO, size 15½
35476	Shirt, mans, white, tropical, RANC/CPO, size 16
35477	Shirt, mans, white, tropical, RANC/CPO, size 16½
35478	Shirt, mans, white, tropical, RANC/CPO, size 17
35479	Shirt, mans, white, tropical, RANC/CPO, size 17½
35480	Shirt, mans, white, tropical, RANC/CPO, size 18

ANNEX C—*continued*

Shorts, mens, blue, tropical

Catalogue No	*Size*	*Waist*	*Inside Leg*
35490	28	28	7
35491	29	29	7
35492	30	30	7½
35500	30L		8½
35493	31	31	8
35494	32	32	8
35503	32L		9
35496	33	33	8½
35495	34S	34	8
35498	34		8½
35505	34L		10
35501	35	35	8½
35497	36S	36	8½
35504	36		9
35507	36L		11
35499	38S	38	9
35506	38		9½
35502	40S	40	9½
35508	40		10
35509	42	42	10
35510	45	45	10
35511	47	47	10

Shorts, mens, white, tropical

Catalogue No	*Size*	*Waist*	*Inside Leg*
35594	28	28	7
35595	29	29	7
35596–1	30	30	7½
35604–1	30L		8½
35597–1	31	31	8
35598–1	32	32	8
35607–1	32L		9
35600	33	33	8½
35599–1	34S	34	8
35602–1	34		8½
35609	34L		10
35605–1	35	35	8½
35601–1	36S	36	8½
35608–1	36		9
35611–1	36L		11
35603–1	38S	38	9
35610–1	38		9½
35606–1	40S	40	9½
35612–1	40		10
35613–1	42	42	10
35614–1	45	45	10
35615–1	47	47	10

ANNEX C—*continued*

Trousers, mens, action working

Catalogue No	*Size*	*Waist Inches*	*Inside Leg Inches*
35668–1	0	28	30
35669–1	1	28L	31½
35670–1	2	29	31
35671–1	3	30	29
35674–1	4	32	30
35677–1	5	34	31
35680–1	6	36	32
35684–1	7	38	32½
35686–1	8	40	33
35673–1	3½	30	30½
35676–1	4½	32	31½
35679–1	5½	34	32½
35683–1	6½	36	33½
35672–1	3¼	33	28
35675–1	4¼	35	29
35678–1	5¼	37	30
35682–1	6¼	39	31
35681–1	6A	41	31
35685–1	7A	44	32
35687–1	8A	46	32

Catalogue No	
31254	Shoulder Straps, Commander, ASCC
31255	Shoulder Straps, Lieutenant-Commander, ASCC
31256	Shoulder Straps, Lieutenant, ASCC
31257	Shoulder Straps, Sub-Lieutenant, ASCC
35313	Ribbons, Service cap, metal thread, ASCC
35300	Ribbons, Service cap, metal thread, RANR Cadet

Trousers, mens, cloth, wool, serge No 2, Class I and III for CPO and PO

Catalogue No	*Size*	*Waist Inches*	*Inside Leg Inches*
35851	3	30	28½
35852	3¼	33	27½
35853	3½	30	30½
35854	4	32	29½
35855	4¼	35	28½
35856	4½	32	31½
35857	5	34	30½
35858	5¼	37	29½
35859	5½	34	32½
35860	6	36	31½
35861	6¼	39	30½
35862	6½	36	33½
35863	7	38	32½

ANNEX C—*continued*

Trousers, mens, cloth, wool, serge No 1, Class II

Catalogue No	*Size*	*Waist Inches*	*Inside Leg Inches*
35770	28yths	28	28
35771	29yths	29	28
35772	30(s)	30	28½
35773	32(s)	32	28½
35774	34(s)	34	29
35775	30R	30	30
35776	32R	32	30
35777	34R	34	30
35778	30L	30	32
35779	32L	32	32
35780	34L	34	32
35781	36L	36	32
35782	38L	38	32
35783	40L	40	32
35784	32xL	32	34
35785	34xL	34	34
35786	36xL	36	34
35787	38xL	38	34
35788	40xL	40	34

Group/Class V5

Catalogue No	
67005	Badge, cap, officer
62005	Badge, cap, CPO
62006	Badge, cap, PO
67253	Badge, sleeve, PO instructor, gold SC
67254	Badge, sleeve, PO instructor, blue SC
63002	Badge, sleeve, Cadet Leading Seaman, red
64002	Badge, sleeve, Cadet Leading Seaman, blue
67230	Badge, sleeve, Cadet PO ASCC, red
67231	Badge, sleeve, Cadet PO ASCC, blue
63001	Badge, sleeve, Cadet RANR, PO, red
64001	Badge, sleeve, Cadet RANR, PO, blue
62440	Good Service Badge, 1 stripe, gold
62439	Good Service Badge, 2 stripe, gold
62438	Good Service Badge, 3 stripe, gold
63440	Good Service Badge, 1 stripe, red
63439	Good Service Badge, 2 stripe, red
63438	Good Service Badge, 3 stripe, red
67248	Badge, cuff, Sea Cadet Corps, red
63443	Badge, cuff, RANR, red
67244	Badge, Metal, cap, ASCC
67008	Badge, Metal, gilt, collar
63255	Badge, sleeve, Cadet Naval Airman, red
64255	Badge, sleeve, Cadet Naval Airman, blue
63271	Badge, sleeve, Cadet Physical Trainer, red
64271	Badge, sleeve, Cadet Physical Trainer, blue

ANNEX C—*continued*

Catalogue No	
63284	Badge, sleeve, Cadet Electrical Mechanic, red
64284	Badge, sleeve, Cadet Electrical Mechanic, blue
63156	Badge, sleeve, Cadet Engineering Mechanic, red
64156	Badge, sleeve, Cadet Engineering Mechanic, blue
63318	Badge, sleeve, Cadet Cook, red
64318	Badge, sleeve, Cadet Cook, blue
63043	Badge, sleeve, Cadet Quartermaster, red
64043	Badge, sleeve, Cadet Quartermaster, blue
63142	Badge, sleeve, Cadet Telegraphist, red
64142	Badge, sleeve, Cadet Telegraphist, blue
63019	Badge, sleeve, Cadet Gunnery, red
64019	Badge, sleeve, Cadet Gunnery, blue
63519	Badge, cuff, Cadet Musician, red
64591	Badge, cuff, Cadet Musician, blue
63410	Badge, cuff, Cadet Good Shooting, red
63085	Badge, letter 'C', for RANR Cadet, red
63417	Star, red for Sea Cadet
64417	Star, blue for Sea Cadet

ANNEX D

General Naval Stores—Store Depot Code No 0027

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
2040	66–300–0020	C	Anchor, marine fluked	No	One per unit plus one each per boat issued	
0243	200–9140	N	Charge, fire fighting equipment—Foam	No	Six per annum ..	For fire fighting instruction only
0243	47260	P	Extinguisher, foam, 2 gal capacity	No	Two	
0243	47262	C	Hose delivery metallic	No	Two	
0251	20	C	Call, Boatswain, nickel silver fitted with two nickel silver holding rings C/W split ring	No	One per twenty cadets of authorised complement	
0251	21	C	Chain, nickel silver 50 in long C/W jump ring and swivel	No	One per each calls Boatswain held	
0251	7499	P	Bell, watch nickel silver 8 in diam, $5\frac{5}{8}$ in height, $10\frac{5}{16}$ lb weight	No	One	
0251	L50143	N	Ring, GM USN type	No	As required for signal halyards	
0251	L50047	N	Clip, GM W/Phosphor bronze spring, USN type	No	As required for signal halyards	
0252	L50284	P	Lantern, port, brass, 6 in x $4\frac{1}{2}$ in ..	No	One	
0252	L50287	P	Lantern, starboard brass oil 6 in x $4\frac{1}{2}$ in commercial	No	One	
0255	9717	C	Crutch GM for 14 ft sailing dinghies and 14 ft 3 in surf boats	No	As required for replacement	
0255	733	C	Crutch GM modified type W/O plate	No	As required for replacement	
0255	735	C	Crutch GM W/O plate	No	As required for replacement	Unmodified
0262	16895	C	Hook, boat, steel galv large ..	No	One per whaler issued	
0274	910–5444	C	Spike marlin, 9 in	No	Three per annum	
0276	L62531	P	Tool kit, type NSI	No	One	Not required for school units unless boats have been issued

ANNEX D—*continued*

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
0350	571–3073	C	Rope manilla, hawserlaid, 3 strand, $\frac{5}{8}$ in, Z lay	FM	One hundred and twenty	Units may be issued with one roll of each type every 3 years
0350	571–3191	C	Rope, sisal, $3\frac{1}{2}$ in, 24 thd, natural, hawserlaid, Z lay	FM	One hundred and twenty	
0350	571–3056	C	Rope, manilla, 3 strand, 1 in, circ, hawserlaid, Z lay	FM	One hundred and twenty	
0350	571–3057	C	Rope, manilla, 3 strand, $1\frac{1}{2}$ in ..	FM	One hundred and twenty	
0350	10351	C	Rope, terylene, hawserlaid, 3 strand, Z lay, $\frac{7}{8}$ in, circ	FM	One hundred and twenty	
0350	L77640	C	Spunyarn white, 3 yarn 40 thread ..	Lb	28 (comes in 28 lb balls)	
0350	L77550	C	Lines, lead fitted, 7 lb	No	Two	
0442	942–9375	C	Varnish, clear spar, water resist VR 100	Gl	One per annum for each dinghy issued	
8010	66–010–0013	C	Paint enamel grey, full gloss, colour designation 631, BS381C Spec SAA K126, Type 1	Gl	One per annum for each whaler issued	Supplied in 1 gal containers
8010	66–010–0017	C	Paint, enamel, full gloss white spec K126 type 1	Gl	One per annum for each whaler issued	
0441	L58862	C	Anti-fouling paint, oleo-resinous, red	Gl	Two per annum for each boat issued	
0442	L59623	C	Paint, primer metallic pink ..	Gl	One per annum for each boat issued	
0442	L58859	C	Paint, anti-corrosive	Gl	Four gallons	Redemand as required
0461	475	P	Stretcher, ambulance	No	One	
0461	3856	C	Divider, brass, 5 in with fixed points	No	Six no maximum. Actual requirements for navigation training to be demanded	
0461	910–4594	P	Fid splicing 10 in x 1 in tapering to $\frac{11}{32}$ in	No	Three per annum	
0461	9121	C	Target, representive, 25 yd, small 4 ft target 200/25 yd. Rifle and LMG	No	Four per cadet per annum to units issued with rifles	

7240	66–013–4772	C	Plastic water container, 5 gal ..	No	One per whaler issued	
4220	66–021–5545	P	Life preserver, yoke	No	One per five cadets of authorised complement	Not required for school units unless boats have been issued
4220	66–023–2967	P	Ring buoy, lifesaving GRP 30 in diameter	No	One	
2040	66–TSN–0068	C	Oars, not coppered, 17 ft straight, laminated	No	One per each whaler issued	
2040	66–TSN–0071	C	Oars, not coppered, 16 ft laminated	No	Three per each whaler issued	
2040	66–TSN–0074	C	Oars, not coppered, 15 ft solid ..	No	One per each whaler issued	
2040	66–TSN–0082	C	Oars, not coppered, 8 ft laminated..	No	Two per each dinghy issued	
2040	66–TSN–0085	C	Stave for boat hook, 12 ft ..	No	One per each whaler issued	
1940	66–TSN–0070	P	Boat, pulling and sailing dinghy, 14 ft sailing	No	One per 60 cadets of authorised complement	Not required for school units unless specially authorised DRNP to authorise issue and allocate priority in all cases
1940	66–TSN–0071	—	Equipment complete for dinghy, 14 ft sailing and pulling	St	One per boat issued	
0474	155310	C	Epoxy putty	Pr	Two per annum for units with boats	
1940	66–TSN–0076	P	Whaler, 27 ft, drop keel with montague rig	No	One per 60 cadets of authorised complement	Not required for school units unless specially authorised DRNP to authorise issue and allocate priority in all cases
1940	66–TSN–0077	—	Equipment complete for whaler, 27 ft, montague rig	St	One per boat issued	
0476	942–4743	C	Brush, painter varnish or enamel, 1 inch	No	Two	

ANNEX D—*continued*

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
0476	L71115	C	Brush, painter rough work, 2 inch	No	Two	
0476	L71116	C	Brush, painter rough work, 3 inch	No	Two	
0475	943–1324–L2	C	Oil, OM-13	Pt	One	
0481	9087	C	Block, common single 5 in rope 1½ in	No	Two	
0481	9088	C	Blocks, common single 3 in rope 1 in	No	Three	
0481	9096	P	Blocks, 5 in internal bound, swivel, oval eye double with becket, rope 1½ in	No	Three	
0481	9089	P	Block, internal bound, swivel eye with hook single with becket, 5 in rope 1½ in	No	One	
0571	183	P	Compass boat 4¼ in	No	One per each boat issued plus 1 No to each unit for instructional purposes	
0571	1830	P	Binnacle	No	One for compass used for instruction	
8010	66–011–0893	C	Primer coating, max air drying time 6 hours spec SAA K108, type 2	Gl	One per annum for each whaler issued	
			Electrical Naval Stores—Store Depot Code No 0094			
0558	16410	P	Boxes, transport for 5 in lantern, Cat No 16409	No	Two	
5805	66–L26881	C	Keys, morse, GPO type No 2 (local manf)	No	Two	
0582	17251	P	Battery operated lantern	No	One	
0558	16409/L1	P	Lantern, for SAR craft	No	Two	
0611	400621	C	Receivers, telephone	No	Six	
0558	198307	C	Head set, earphone double (STC code 4049H) with 108365 cord and pattern 651 plug	No	One per ten cadets of authorised complement	
0562	910–1810	C	3 cell battery for Cat No 17251 ..	No	Three per annum	

0559	012–0282	P	Buzzer 3V	No	Two	
0581	202857	C	Box, battery for 3 cell, Cat No 910–1810	No	One	
0583	160011	C	Torch, signalling morse	No	Two	
0582	3927	C	Lantern lens, clear for Cat No 17251	No	One	
0584	995–2513	C	Lamps filament II volt	No	Four	
0584	995–2241	C	Lamp, lantern for Cat No 17251 ..	No	Two	
5950	66–032–6768	P	Transformer power step down 240V–12V AC for 16409/L1 complete with connections	No	Two	
0552	160100	P	Ruler, parallel, roller 8 in C/W transit case	No	Six maximum. Actual requirement for navigation training to be demanded	
6135	66–014–3545	C	Battery, dry 1.5 volt	No	Sixteen	
0554	L30444	P	Overhead projector	No	One per unit	As approved by DRNP
			Victualling Stores—Store Depot Code No 0124			
0330	805	C	Flannelette, in rolls of 50 yd long, 4 in wide	Ft	1 yard for each firing rifle issued	Units may be issued with with one roll every three years
0330	1508	C	Twine, flax roping, ½ lb ball ..	Lb	One	
0330	L74360	C	Twine, flax marline, white, 2 ply, 60 yd	Lb	Two	
0330	824904	C	Ensign British, ensign blue, 4 breadth	No	One	
0330	839004	P	Flag, Commonwealth national, Australian 4 breadth	No	One	
0340	9814	P	Wallet, canvas No 7, 24 in fitted with lanyards, etc, complete for flags unpainted	No	One	
0330	1560	C	Lines, hemp, 40 yd whiting ..	No	One	
0330	1563	C	Lines, hemp, 40 yd codfish ..	No	One	
			Victualling Stores			
0340	60031	C	Flags, signal, naval code, fitted A ..	No	One	
0340	60021	C	Flags, signal, naval code, fitted B ..	No	One	

ANNEX D—*continued*

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
0340	60721	C	Flags, signal, naval code, fitted C ..	No	One	
0340	60731	C	Flag, signal, naval code, fitted D ..	No	One	
0340	60631	C	Flag, signal, naval code, fitted E ..	No	One	
0340	60691	C	Flag, signal, naval code, fitted F ..	No	One	
0340	60531	C	Flag, signal, naval code, fitted G ..	No	One	
0340	60591	C	Flag, signal, naval code, fitted H ..	No	One	
0340	60151	C	Flag, signal, naval code, fitted I ..	No	One	
0340	60121	C	Flag, signal, naval code, fitted J ..	No	One	
0340	60281	C	Flag, signal, naval code, fitted K ..	No	One	
0340	60131	C	Flag, signal, naval code, fitted L ..	No	One	
0340	60051	C	Flag, signal, naval code, fitted M ..	No	One	
0340	60221	C	Flag, signal, naval code, fitted N ..	No	One	
0340	60191	C	Flag, signal, naval code, fitted O ..	No	One	
0340	571–5700	C	Flag, signal, naval code, fitted P ..	No	One	
0340	60211	C	Flag, signal, naval code, fitted Q ..	No	One	
0340	60601	C	Flag, signal, naval code, fitted R ..	No	One	
0340	60201	C	Flag, signal, naval code, fitted S ..	No	One	
0340	60301	C	Flag, signal, naval code, fitted T ..	No	One	
0340	60231	C	Flag, signal, naval code, fitted U ..	No	One	
0340	60181	C	Flag, signal, naval code, fitted V ..	No	One	
0340	60091	C	Flag, signal, naval code, fitted W ..	No	One	
0340	60241	C	Flag, signal, naval code, fitted X ..	No	One	
0340	60081	C	Flag, signal, naval code, fitted Y ..	No	One	
0340	60101	C	Flag, signal, naval code, fitted Z ..	No	One	
0340	571–5959	C	Answer (code)	No	One	
0340	571–5968	C	Church	No	One	
0340	60461	C	Course	No	One	
0340	571–5981	C	Designation	No	One	
0340	571–5825	C	Division flag	No	One	
0340	571–5993	C	Emergency flag	No	One	
0340	571–6004	C	Flotilla flag	No	One	
0340	571–6011	C	Form	No	One	

0340	571–6017	C	Interrogative	No	One	
0340	571–6024	C	Negative	No	One	
0340	571–5911	C	Port flag	No	One	
0340	571–6085	C	Preparative	No	One	
0340	571–6092	C	Speed flag	No	One	
0340	571–5929	C	Squadron flag	No	One	
0340	571–6099	C	Starboard	No	One	
0340	571–6106	C	Station flag	No	One	
0340	571–6112	C	Sub-division flag	No	One	
0340	571–6144	C	Turn	No	One	
0340	571–6150	C	Pendant zero	No	One	
0340	571–5936	C	Flag O	No	One	
0340	60571	C	Pendant one	No	One	
0340	571–5833	C	Flag one	No	One	
0340	571–6034	C	Pendant two	No	One	
0340	571–5836	C	Flag two	No	One	
0340	571–6037	C	Pendant three	No	One	
0340	571–5839	C	Flag three	No	One	
0340	571–6040	C	Pendant four	No	One	
0340	571–5842	C	Flag four	No	One	
0340	571–6043	C	Pendant five	No	One	
0340	571–5845	C	Flag five	No	One	
0340	571–6046	C	Pendant six	No	One	
0340	571–5863	C	Flag six	No	One	
0340	571–6049	C	Pendant seven	No	One	
0340	571–5866	C	Flag seven	No	One	
0340	571–6052	C	Pendant eight	No	One	
0340	571–5869	C	Flag eight	No	One	
0340	571–6055	C	Pendant nine	No	One	
0340	571–5872	C	Flag nine	No	One	
0340	571–6119	C	First sub	No	One	
0340	60411	C	Second sub	No	One	
0340	571–6124	C	Third sub	No	One	
0340	571–6127	C	Fourth sub	No	One	
0340	571–5920	C	Red flag	No	One	
V4	40025	P	Aural protector sound muff Mk 3 ..	No	Five	

Forms—Store Depot Code No 5819

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
—	OG101	C	Deck log book	No	One	
—	—	C	Equivalent ranks in three services chart	No	One	
Forms	LP120	C	Saluting and marks of respect ..	No	One	
—	—	C	Ranks and badges in the RAN ..	No	One	
—	—	P	Cadet instructions	No	One per officer and instructor	Not yet available for issue
—	—	P	Cadet training manual	No	One per officer and instructor	
Forms	TI151	C	Safety precautions for power boats	No	One per power boat held by unit	

Stationery—Store Depot Code 5819

7530	66–L56341	C	Envelope, for forms	—	—	

Publications—Store Depot Code No 5819

—	BR 98(3)	C	Minor landing craft and boats signal book	No	Ten	
7610	BR 67(1)	P	Manual of seamanship Vol 1 ..	No	One for ten cadets of authorised complement	
7610	BR 67(2)	P	Manual of seamanship Vol 2 ..	No	One for twenty cadets of authorised complement	
7610	BR 67(3)	P	Manual of seamanship Vol 3 ..	No	One for thirty cadets of authorised complement	
7610	ABR 232	P	Signal card	No	One per five cadets of authorised complement	
7610	ABR Vol 2 (10) (ORD)	P	General naval knowledge pocket book	No	One per cadet of authorised complement	
7610	ABR 1834	P	A handbook of parade and rifle drill	No	Two	
7610	ABR 5078	P	Inter-denominational prayers and forms of service	No	Two	
7610	ABR 2203	P	Manual of ships husbandry ..	No	Two	
—	MBR 9070	P	St Johns first aid to the injured ..	No	Two	
	MBR	P	Compass card	No	One	

Armament Stores—Store Depot Code No 0035

—	255360	P	Rifle, No 1, mark 3 and 3 star, drill purpose	No	One per two cadets of authorised complement if issue approved by DRNP	
—	24979112	P	Sling, rifle	No	One per drill rifle issued	
—	235066	P	Bayonets No 1, Mk 1 assembly ..	No	One per drill rifle issued	
—	235010	P	Scabbard, Mk 2 bayonet No 1 assembly	No	One per drill rifle issued	
—	24917613	P	Frog, bayonet undyed	No	One per bayonet issued	
—	231NIV	P	Rifle No 2, pattern 1914	No	One per ten cadets of authorised complement if issue approved by DRNP	Maximum of six only to be held
—	24979112	P	Sling, rifle	No	One per rifle No 2 Mk 4 issued	
—	249 various	P	Belts, waist	No	One per cadet of authorised complement	Available in three sizes—Extra large, large or small
—	249 various	P	Anklets web—Undyed	Pr	One per cadet of authorised complement	Available in size 1, 2 or 3

Cleaning Gear for Rifle No 2

—	223268	P	Rod, No 6 bore tool	No	One	
—	223300	C	Cleaner, rod No 6	No	One per three rifles No 2 issued	
—	223419	C	Brush, rod No 6	No	One per three rifles No 2 issued	

ANNEX D—*continued*

Ammunition Store Depot Code No 0132

Group Class	*Catalogue No*	*Acctg Class*	*Description*	*Denom of Qty*	*Allowance per Unit*	*Remarks*
357	848	C	Cartridges, .22 rimfire	No	40 per cadet per annum	
357	NIV	C	Cartridges, 7.62mm (ball) ..	No	40 per cadet per annum	For use by cadets during training periods where the temporary loan of 7.62mm rifles can be arranged locally

Hydrographic Stores—Store Depot Code No 4189

—	—	—	Chart of local harbour (state location of unit)	No	One
—	BR 5011	—	Chart of abbreviations	No	One
—	—	—	Instructional series of admiralty charts (state location of unit)	No	Six
—	—	—	Plotting charts (state location of unit)	No	Six

Medical Stores—Store Depot Code No 0078

6545	66–019–9799	C	First aid kit, general purpose ..	No	One

Forms—Change in Number

Old Number	*New Number*	*Description*
ASCC 1	PR 133	Application for Appointment—Officers and Instructors
ASCC 2	PR 134	Application for Enrolment as Cadet
ASCC 3	PH 222	Certificate of Appointment
ASCC 4	PH 223	Certificate of Discharge—Cadets
ASCC 5	—	Form deleted—*see* Cadet Memorandum No 4
ASCC 6 (*See* Annex E) ..	—	Stores Ledger
ASCC 7	PH 224	Record of Service and Uniform Issues—Cadets
ASCC 7A	PH 225	Record of Service and Uniform Issues—Officers and Instructors
ASCC 8	PA 181	Report of Inspection
ASCC 9	PA 182	Roll Forms
ASCC 10	PA 174	Certificate of Attendance of Cadets at Drills/Parades
ASCC 10A	PA 175	Annual Special Allowance to Officers and Instructors—Certificate of Attendance
ASCC 11	PB 123	Transfer List—Continuous Training or Courses
ASCC 12 (*See* Annex E) ..	—	Return of Stores
ASCC 13	PA 176	Application for Cadet Forces Medal
ASCC 14 (*See* Annex E) ..	—	Demand Forms—Stores
ASCC 15A	PA 177	Printed letter—Absence from 3 consecutive parades
ASCC 15B	PA 178	Printed letter—Discharge for unsatisfactory attendance
ASCC 15C	PA 179	Printed letter—Non-return of uniform, etc
ASCC 15D	PA 180	Printed letter—Non-return of uniform, etc—Legal action pending

ANNEX E

List of Forms Used in Stores Functions Group Class—Forms on EDP Store Depot Code 5819 Forms Marked * Not Demanded by Units

Catalogue No	*Form No*	*Description*	*Form Code*
PH 224	—	Record of Uniform Issues—Cadets	—
PH 225	—	Record of Uniform Issues—Officers and Instructors	—
SA 116	—	Loss Voucher	—
SA 205	—	Temporary Loan Book	—
*SA 206	—	Ledger Page (By letter Paragraph 150)	—
SA 242	—	Application for Stores in Excess of Allowances	—
*SA 252	AS 155A	Ledger Certificate	—
SA 288	AS155	Cover for Forms SA206, SS121, SS123	—
SG 101	— —	Packing Slip	—
SG 109	—	Request for Supply Status	—
SS 1	—	Stocktaking Discrepancy Report	SDR
SS 7	—	Survey, Transfer and Conversion Voucher	STC
SS 121	AS148C	Stocktaking Record for Consumable Stores	—
SS 123	AS148P	Stocktaking Record for Permanent Stores	—
ST 110	AD78 Large	Shipping Note	—
ST 111	AD78 Small	Shipping Note	—
SX 14	—	Stores Demand (with Hectograph Master)	SD
SX 15	—	Stores Demand (without Hectograph Master)	SD
*SX 20	—	Issue Voucher	IV
*SX 21	—	Stock in transit Advice	SITA
*SX 22	—	Local Issue Voucher	LIV
*SX 25	—	Stores Return Voucher	RET
SX 28	—	Stores Return	RSV
*SX 125	AS549 Large	Demand, Supply or Receipt Note	—
*SX 126	AS549 Small	Demand, Supply or Receipt Note	—

ANNEX F

Australian Sea Cadet Corps—Naval Reserve Cadet Units

Unit		*Code*
TS ADELAIDE, Adelaide, SA	(61–90 cadets)	7604
TS ALBATROSS, Wollongong, NSW	(30–60 cadets)	7129
TS BARWON, Geelong, Vic	(30–60 cadets)	7005
TS BEDFORD, Kwinana Beach, WA	(61–90 cadets)	7528
TS BENDIGO, Bendigo, Vic	(30–60 cadets)	7021
TS BUNDABERG, Bundaberg, Qld	(30–60 cadets)	7323
TS CANBERRA, Canberra, ACT	(30–60 cadets)	7706
TS CONDAMINE, Manly, NSW	(30–60 cadets)	7102
TS CORAL SEA, Townsville, Qld	(30–60 cadets)	7382
TS DERWENT, Hobart, Tas	(91–120 cadets)	7404
TS EMU, Burnie, Tas	(30–60 cadets)	7420
TS ENDEAVOUR, Cairns, Qld	(30–60 cadets)	7331
TS ESPERANCE, Dover, Tas	(30–60 cadets)	7455
TS FLINDERS, Port Lincoln, SA	(30–60 cadets)	7617
TS GAMBIER, Mount Gambier, SA	(30–60 cadets)	7625
TS GAYUNDAH, Brisbane, Qld	(91–160 cadets)	7307

ANNEX F—*continued*

Unit		*Code*
TS HAWKESBURY, Gosford, NSW	(30–60 cadets)	7722
TS HENTY, Portland, Vic	(30–60 cadets)	7064
TS LATROBE, Yallourn, Vic	(61–90 cadets)	7080
TS LEVEN, Ulverstone, Tas	(30–60 cadets)	7439
TS MAGNUS, Brisbane C of E Grammar, Qld	(91–120 cadets)	7315
TS MELBOURNE, Albert Park, Vic	(61–90 cadets)	7048
TS MERSEY, Devonport, Tas	(61–90 cadets)	7447
TS MILDURA, Mildura, Vic	(30–60 cadets)	7072
TS MORROW, Geraldton, WA	(30–60 cadets)	7544
TS PALUMA, Stafford, Qld	(91–120 cadets)	7374
TS PARRAMATTA, Parramatta, NSW	(30–60 cadets)	7188
TS PERTH, Fremantle, WA	(61–90 cadets)	7501
TS PIONEER, Mackay, Qld	(30–60 cadets)	7358
TS SHROPSHIRE, Canterbury, NSW	(30–60 cadets)	7153
TS SIRIUS, Arncliffe, NSW	(61–90 cadets)	7161
TS SYDNEY, Snapper Island, NSW	(30–60 cadets)	7110
TS TAMAR, Launceston, Tas	(30–60 cadets)	7412
TS TOBRUK, Newcastle, NSW	(61–90 cadets)	7145
TS TYALGUM, Southport, Qld	(30–60 cadets)	7366
TS VANCOUVER, Albany, WA	(61–90 cadets)	7536
TS VOYAGER, Williamstown, Vic	(30–60 cadets)	7056
TS WARRAMUNGA, Darwin, NT	(30–60 cadets)	7714
TS WARREGO, Woolwich, NSW	(30–60 cadets)	7137
ST IVES HIGH SCHOOL (NRC), Sydney, NSW	(150 cadets)	7916
SYDNEY GRAMMAR (NRC), Sydney, NSW	(50 cadets)	7226
THE SCOTS COLLEGE (NRC), Sydney, NSW	(60 cadets)	7218
ASCC—NSW Cadet Headquarters		7730
ASCC—Victoria Cadet Headquarters		7749
ASCC—Queensland Cadet Headquarters		7757
ASCC—Tasmania Cadet Headquarters		7765
ASCC—South Australia Cadet Headquarters		7773
ASCC—Western Australia Cadet Headquarters		7781
ASCC—Western Australia Cadet Headquarters		7803
ASCC—ACT Cadet Headquarters		7811
ASCC—NT Cadet Headquarters		7250

(DRNP 400/1/831)

(*Navy Order 480 of 1968*)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANOs 129-140/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
31 March 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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13041/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

129—Australian Service Representation Overseas

Navy Order 177 of 1969 is to be amended as follows:

ANNEX A

Sub-heading 'Burma' page 3:
Delete 'Group Captain J. H. D. Blackwell'
Insert 'Colonel C. E. M. Newton, OBE'

Sub-heading 'India' page 3:
Delete 'Captain L. J. McInterney, RAN'
Insert 'Colonel J. G. Ochiltree, OBE'

Sub-heading 'Japan' page 4:
Delete 'Captain B. S. Murray, RAN'
Insert 'Group Captain R. E. Trebilco, DFC'

Sub-heading 'Thailand' page 5:
Delete 'Colonel D. H. Crompton, OBE'
Insert 'Colonel D. S. Baldwin'.

(DNI 22/201/67)

(*Navy Order 177 of 1969*)

UNCLASSIFIED

130—Diving—Storage Cylinders for Breathing Gases—Residual Pressure

(*DCI (RN) 1259/69*)

1. In order to prevent contamination of gas in 100 and 150-cubic foot cylinders used for storing breathing gas for diving purposes, a residual pressure of at least 5 psi is, whenever possible, to be left in the cylinders before being landed for filling.

2. If a cylinder has unavoidably been emptied completely, it is to be prominently labelled 'Residual Pressure Zero. Former Contents . . .' (eg, 'Oxygen' or '60% N_2 40 % O_2').

3. BRs 3000 and 3001 will be amended.

(DUW 400/1/860)

UNCLASSIFIED

131—Safety—Drill Using SL Rifle With Bayonet Fixed

1. Several men have received injuries when drilling with the self-loading rifle with bayonet fixed. It is possible to impale the hand onto the bayonet of the man on the left when dressing with intervals, particularly if the squad being drilled is not correctly sized.

2. The following precautions should be observed:

a. The L1A1 bayonet is extremely sharp and great care should be exercised when drilling with bayonets fixed.

b. The squad should be correctly sized before carrying out drill with the L1A1 rifle.

c. The drill for dressing with intervals should be modified slightly so that the left arm is moved slightly to the rear of the shoulder of the man on the left before being cut smartly to the side.

d. During initial training and until the drill outlined in Sub-paragraph c. above is perfected, scabbards may be left on the bayonets.

(CONS 177/1/80)

Section 2

PERSONNEL

UNCLASSIFIED

132—Fees and Allowance for Part-time Medical Services and Ancillary Medical Services

1. **X-Ray and Diagnostic Radiology.** The fees for X-ray and diagnostic radiology given in Annex C to Navy Order 857 of 1968 are cancelled and the fees in Annexes A and B to this order apply as from 1 September 1969.

2. **Public X-Ray Facilities.** In seeking Radioscopy for Service members, public X-ray facilities are to be used to their full extent.

3. **Service Establishments.** Radiology services performed at Service establishments are to be paid for at the normal sessional rates for specialists. Payment is not to be related to the number of films taken or interpreted.

4. **At Specialist Rooms.** If specialist radiology services cannot possibly be carried out at public X-ray facilities or at Service establishments the services may be performed at specialist rooms and are to be paid for on the basis of a fee for each procedure as provided in Annexes A and B to this order. Where the taking of film only is involved the fee payable is 60 per cent of the scheduled rate for the particular procedure, irrespective of the number of films involved in carrying out that procedure.

5. Only Specialist radiologists should be asked to interpret films. When not done on a sessional basis the fee for interpretation of films not taken by the radiologist making the report is $5.50 each patient irrespective of the number of films involved.

6. Fees payable to radiographers for taking X-ray films are to be the same as those provided for radiologists who perform the service, ie, 60 per cent of normal rates for procedures as indicated in Paragraph 4.

7. **Specialist Dermatology and Radio-Therapy.** The fees given in items 5 and 6 of Annex A to Navy Order 857 of 1968 for treatment are no longer appropriate and a fee is to be negotiated with the medical practitioner for the treatment required. For consultations with (as distinct from treatment) dermatologists and radio-therapists the normal specialists fees as given in Items 2 and 4 of Annex A to Navy Order 857 of 1968 as amended by Navy Order 796 of 1969 are to be paid.

ANNEX A

Diagnostic Radiology

Fees Payable to Radiologists for Services Provided at Private Rooms

1968 CMB No	*1964 CMB No*	*Procedure*	*Fees*
			$
		Radiographic Examination of Extremities and Report	
2000	401	Digits or phalanges—all or any of either hand or either foot	8.00
2003	402	Hand, wrist, forearm, elbow or arm (elbow to shoulder)	9.00
2006	403	Hand, wrist and lower forearm; upper forearm and elbow; or elbow and arm (elbow to shoulder)	9.00
2009	404	Foot, ankle, lower leg, upper leg, knee or thigh (femur)	9.00
2012	405	Foot, ankle, lower leg; or upper leg and knee	9.00
		Radiographic Examination of Shoulder or Hip Joint and Report	
2030	410	Shoulder Region including clavicle and scapula	9.00
2033	411	Hip Joint	9.00
2036	412	Pelvic girdle	10.25
2039	413	Smith-Peterson nail—insertion or similar procedure	18.25
		Radiographic Examination of Head and Report	
2050	417	Skull—Sinuses or Mastoids:	
		a. Full survey	12.25
		b. Sinuses	9.00
		c. Mastoids	11.50
2053	418	Maxilla or orbit, or both	10.25
2056	419	Mandible, malar bones or salivary calculus	10.25
2059	420	Nose or eye	9.00
2065	421	Larynx	9.00
		Radiographic Examination of Spine and Report	
2080	426	Spine:	
		a. Cervical vert	11.50
		b. Lumbar vert	10.25
2083	427	Spine—Two regions:	
		a. Lumbar-sacral vert	14.00
		b. Any other two regions to be 80 per cent of their total fee	
2086	428	Spine full—Three or more areas	26.00
2089	429	Hemiskeleton (bone age study)	11.50

ANNEX A—*continued*

1968 CMB No	*1964 CMB No*	*Procedure*	*Fees*
			$
		Radiographic Examination of Thoracic Region and Report	
2100	440	Chest (lung fields) by direct radiography	10.25
2103	441	Chest (lung fields) by direct radiography with fluoroscopic screening	12.25
2106	442	Chest, by miniature radiography	4.25
2109	443	Pleura	10.25
2112	444	Orthodiagraphy	10.25
2115	445	Teleoroentgenography with cardiac measurements ..	10.25
2118	446	Cardiac examination (including barium swallow) ..	12.25
2121	447	Cardiac measurements with kymography	10.25
2124	448	Sternum or one or more ribs of any one side	10.25
2127	449	One or more ribs of both sides	11.50
		Radiographic Examination of Urinary Tract and Report	
2150	460	Plain Renal	10.25
2156	461	Intravenous pyelography, including preliminary plain film	23.00
2159	462	Retrograde pyelography, not including plain renal ..	13.00
2162	463	Cystography, urethrography or vesiculography as an independent procedure	13.50
2168	464	Perirenal insufflation	13.50
		Radiographic Examination of Alimentary Tract and Biliary System (with or without Fluoroscopy) and Report	
2180	472	Plain abdominal only	10.25
2183	513	Pneumoperitoneum..	7.00
2186	470	Oesophagus, with or without examination for foreign body or barium swallow	13.50
2189	471	Barium or other opaque meal of oesophagus, stomach, duodenum, with or without screening of chest ..	19.00
2192	473	Barium or other opaque meal of oesophagus, stomach, duodenum and follow through to colon, with or without screening of chest	20.50
2195	474	Barium or other opaque meal, small bowel series only ..	18.50
2198	475	Barium or other opaque meal, appendix only	15.00
2201	476	Opaque enema	19.50
2204	477	Opaque enema, including air contrast study (two stages) ..	22.50
2207	478	Graham's test (cholecystography)	13.50
2210	479	Cholangiography direct, operative and post-operative ..	22.50
2213	480	Cholangiography—intravenous	22.50

ANNEX A—*continued*

1968 CMB No	*1964 CMB No*	*Procedure*	*Fees*
			$
		Radiographic Examination for Localisation of Foreign Bodies and Report	
2300	485	Foreign body in eye (special method, Sweets' or other) ..	11.50
2303	486	Foreign body, localisation of and report not covered by another item in this Part—fee for the radiographic examination of the area, *plus*	3.25
		Radiographic Examination of Breast and Report	
2340	490	Radiographic examination of breast and report ..	10.50
		Radiographic Examination in Connection with Pregnancy and Report	
2360	494	Pregnancy Uterus	10.25
2363	495	Polvimetry or placentography	20.50
		Radiographic Examination with Opaque or Contrast Media and Report (not including services covered by items 2800–2851)	
2400	500	Serial angiocardiography (rapid cassette changing) ..	26.00
2403	501	Serial angiocardiography (single plane—direct roll-film method)	32.00
2406	502	Serial angiocardiography (bi-plane—direct roll-film method)	43.00
2409	503	Serial angiocardiography (indirect roll-film method) ..	26.00
2412	504	Discography	13.50
2415	505	Intraosseous Venography	15.50
2418	506	Dacryocystography	11.50
2421	507	a. Myelography	18.50
		b. Encephalography	
		c. Cerebral Angiography; or	
		d. Ventriculography	
2424	508	Hysterosalpingography	11.50
2427	509	Broncography, arteriography, phlebography, aortography or splenography	20.00
2430	510	Sialography or vaso-epididymyography	11.50
2433	511	Sinuses and fistulae—fee payable for the radiographic examination of the area and report, *plus*	7.00
2436	512	Pneumarthrography—fee payable for the radiographic examination of the area and report, *plus*	7.00

ANNEX A—*continued*

1968 CMB No	*1964 CMB No*	*Procedure*	*Fees*
			$
		Tomography and Report	
2480	517	Tomography of any part and report	15.50
		Stereoscopic Examination and Report	
2500	520	Stereoscopic examination and report—the fee payable for the radiographic examination of the area and report, *plus*	3.25
		Fluoroscopic Examination and Report	
		Fluoroscopic examination and report not covered by any other item (where radiograph is not taken)	
2520	524	Examination with general anaesthesia	8.50
2525	525	Examination without general anaesthesia	6.50
		Preparation for Radiological Procedure, being the Injection of Opaque or Contrast Media or the Removal of Fluid and its Replacement by Air, Oxygen or Other Contrast Media or Other Similar Preparation, including the Administration of an Anaesthetic for Radiotherapy	
2800	557	Encephalography	17.50
2803	558	Cerebral angiography—percutaneous	17.50
2806	559	Cerebral angiography—open exposure	13.50
2809	560	Cerebral ventriculography	13.50
2812	569	Dacryocystography	7.50
2815	561	Bronchography	11.50
2818	562	Aortography	25.00
2821	563	Arteriography—peripheral phlebography or splenography	13.50
2824	565	Perirenal insufflation	13.50
2827	566	Pneumarthrography or pneumoperitoneum	*see* items 2183/2436
2830	567	Pyelography, cholecystography or similar procedure by intravenous injection	5.50
2839	570	Hysterosalpingography	11.00
2842	554	Discography	13.50
2845	555	Intraosseous venography	13.50
2848	556	Myelography	13.50
2851	564	Sinus or fistula, injection into	*see* item 2433

ANNEX A—*continued*

1968 CMB No	*1964 CMB No*	*Procedure*	*Fees*
			$
		Urethrogram—Items 2162 and 2430 (total)	23.00
		Report on films	5.50
			per investigation
		Dental:	
		a. Minimal	5.00
		b. Full Mouth	25.00

If an examination and report should involve something more or less than the standard examination for which a fee is set out in the schedule or, if a composite examination is carried out, an approximately adjusted fee should be negotiated by the Director, Medical Services or his Deputy.

ANNEX B

Nuclear Medicine

Fees Payable to Radiologists for Services Provided at Private Rooms

1968 CMB No	*Procedure*	*Fee*
		$
	Organ Scans	
1920	Brain	26.00
1924	Parathyroid	31.00
1926	Thyroid	15.50
1930	Lungs	15.50
1934	Liver	31.00
—	Liver and Spleen	41.00
1938	Spleen (alone)	15.50
1936	Pancreas	31.00
1940	Kidneys	15.50
—	Vertical Column	31.00
1944	Bones	15.50
1946	Miscellaneous	15.50
1922	Spinal Cord	15.50
1928	Mediastinal	15.50
1942	Differential Renal Uptake	11.00

ANNEX B—*continued*

1968 CMB No	*Procedure*	*Fee*
		$
	Investigations	
1906	Serum Thyroxine	13.00
1902	Plasma Volume	10.00
—	Red Cell Mass	13.50
1914	Thyroid Uptake	13.50
1910	B12 Absorption	13.00
1916	T3 Resin	10.00
1918	Protein Bound Radio-Active Iodine	10.00
1906	**Radioimmunoassay**	
	Growth Hormone	
	Single Estimation	10.00
	Group Estimation (during ITT or GTT)	30.00
	Other Hormones	
	Luteinizing Hormone	10.00
	Chrionic Gonadotrophin	—
	Insulin	—
	Angiotensin	—

In the case of multiple examinations done as a group on the one occasion, the fee shall be—cost of major (most expensive) examination plus 50 per cent of each other examination.

(MDG 327/61/43)

(*Navy Orders 857 of 1968, 193, 301 and 796 of 1969*)

UNCLASSIFIED

133—Members on Long and Intermediate Term Duty Overseas Travelling Allowances

1. The rates of Travelling Allowances as shown in Paragraph 2 of Navy Order 704 of 1969 as amended by Navy Order 66 of 1970 have been varied as follows:

Table A

Delete the rates for India, South Africa and Tanzania and insert the following rates in their stead and insert new rates for Mauritius and Turkey:

Table A

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT, LEUT (SD) or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, CMDR (SD) or Relative Rank, LCDR, LCDR (SD) or Relative Rank*	*CDRE and Above*
India:				
New Delhi ..	Rupees ..	120	125	130
Bombay ..	Rupees ..	145	150	155
Calcutta ..	Rupees ..	130	135	140
Elsewhere—*See* Table B				
Mauritius ..	Rupees ..	77	89	101
South Africa ..	Rand ..	13.00	14.30	15.60
Tanzania ..	EA Shgs ..	125	135	145
Turkey:				
Ankara ..	T Lira ..	240	275	310
Bursa.. ..	T Lira ..	240	275	310
Istanbul ..	T Lira ..	240	275	310
Izmir ..	T Lira ..	240	275	310
Elsewhere ..	T Lira ..	120	130	140

Table B

India: Other than New Delhi, Bombay, Calcutta ..	Rupees ..	30	36	38

2. The effective date for changes in rates or inclusion of new rates in the above tables are as follows:

a. India from 24 December 1969.

b. Mauritius from 5 December 1969.

c. South Africa from 5 December 1969.

d. Tanzania from 5 December 1969.

e. Turkey from 5 December 1969.

(HPB 252/4/46)

(*Navy Orders 704 of 1969 and 66 of 1970*)

UNCLASSIFIED

134—Service Funerals

1. This Navy Order sets out amending conditions governing the provision of funerals for a deceased member of the:

a. Permanent Naval Forces, or

b. Naval Emergency Reserve or Citizen Naval Forces whose death occurred while rendering full-time continuous Naval service or undergoing continuous service in excess of 48 hours; who dies while serving in Australia, or such a member or his dependant who dies in an oversea country while the member is serving in that country. The current conditions in NPI 137 to 139/2 inclusive continue to apply generally in other cases provided for in NPI 137 (1).

Death of the member in Australia

2. The funeral normally will be arranged by, and at the expense, of the Department at the nearest civilian cemetery to the place of death. In such a case return first class rail travel with sleeper accommodation where available will be provided at Departmental expense to the locality of the funeral for travel of the nearest relative (ie, widow, father, mother or other near relative approved by the Naval Board), and one other person accompanying that relative. If travel by air is necessary to enable the persons to arrive in time for the funeral, fares for travel by air on the forward journey will be provided at Departmental expense. Travel on the return journey will be by rail.

3. If the nearest relative wishes to make private arrangements for the funeral at the locality of death, the cost of the funeral up to a maximum of $120 will be reimbursed by the Department. Fares for travel of the nearest relative and one other person will be allowed as set out in Paragraph 2 above.

4. Where the nearest relative so elects the Department will arrange and meet the cost of preparation, transport of the remains of the deceased member to an elected locality in Australia and for the subsequent funeral. Where that relative elects to make private arrangements for the funeral after transport of the remains of the deceased member to the elected locality the cost of such funeral will be reimbursed up to a maximum of $60.

5. Travel at public expense will not be provided for the nearest relative (or other person) to the place of death or burial where the funeral takes place at an elected locality (*see* Paragraph 4) other than in a case where the nearest relative had accompanied the member at Departmental expense to the locality of death and there are exceptional circumstances which prevent that relative from utilising, for purpose of travel to the funeral, the normal removal right arising under the provisions of NPI 231/12 (5). In such a case, return travel to the place of burial for the nearest relative (only) will be provided at Departmental expense.

Death of member at oversea locality

6. Where in a situation short of war or defence emergency the member dies in an overseas locality while on long, intermediate or short term duty, and:

a. it is practicable; and

b. the nearest relative requests,

his remains will be returned to Australia.

7. In such a case the Department will meet the cost of preparation, return of the remains of the deceased member to the locality elected by the nearest relative and provide for interment at Departmental expense. If that relative takes over interment arrangements in Australia, the cost of such up to a maximum of ($A60) will be reimbrused by the Department.

8. Where it is not practicable to comply with the reasonable request of the nearest relative for return of the remains of the deceased member to Australia, the existing provisions for burial at Departmental expense at the locality of death will continue to apply. If the relative elects a private funeral at that locality, the arrangements will be the responsibility of the relative and costs will be reimbursed by the Department up to a maximum of $120.

9. Factors which would decide whether or not it would be practicable to return the remains of a deceased member to Australia would include for example:

a. the locality of death,

b. the number of deceased members to be returned (eg, the principle of return at Departmental expense would not be practicable if the operational demand on the available transport became too great),

c. whether the provisions of the Quarantine Regulations would be met in each case.

No provision is made for the exhumation of the remains of a deceased member and for return to Australia.

Death of Dependant at Oversea Locality

10. Where the dependant of a member dies at an overseas locality where the member was serving and, but for the death of the dependant, the fares of that person on his or her return to Australia would have been met by the Department, the cost of preparing and transporting the remains of the dependant to Australia will be met if such return is practicable and a request for the return is made by the member. Where the funeral takes place at the locality of death, the Department will consider reimbursement of so much of the necessary funeral expenses as exceed normal Australian costs.

11. The provision of instructions 137–139/2 inclusive of NPI affected by the foregoing should be noted pending amendment. The remaining provisions of these instructions continue to apply other than that the provision in Paragraph (1) (*m*) of NPI 137/4 to allow Department expenditure for 'one press notice' is, in relation to a service funeral in Australia for a member who died in Vietnam, increased to expenditure for 'up to two press notices'.

(HPB 341/7/30)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

135—Explosives—Flight Deck Hazards

(*DCI (RN) 397/69*)

1. Great care is taken at all stages in the development of explosive stores to ensure the safety of their service users. Regulations governing all aspects of their life further minimise any possible hazard. Nevertheless, the presence of explosives in a warship, by their very nature, can lead to a disaster in the face of accidents, or enemy action. Such a disaster is more likely to occur on a flight deck where it is not possible to provide explosives with adequate protection. A previous Instruction drew attention to the hazards with particular reference to the danger of weapons cooking off when involved in a fire.

2. The aim of this Instruction is to provide guidance to Commanding Officers in whose ships explosives stores are exposed to fire, fragmentation and shock on flight decks. Although the Instruction applies mainly to aircraft carriers much of it is relevant to other classes of ship.

The Hazard

3. The particular danger lies in the facts that:

a. Explosives involved in a fire may cook-off;

b. Fragments or shock from the detonation of one weapon may cause the detonation of others.

Possible Courses of Action

4. The chances of disaster may be reduced by the following courses of action, which are discussed in more detail below:

a. Take every possible step to prevent a fire occurring in which explosives could become involved.

b. Keep the quantity of explosives filled stores in exposed positions to a minimum.

c. Employ fire-fighting methods which reduce the hazard to explosive stores.

d. Reduce the effects arising from a weapon or weapons detonating.

Prevention of Fire

5. The prevention of fire is the constant endeavour of every Commanding Officer and is the subject of many orders and instructions by authorities at every level. The importance of these orders, particularly those concerning explosives cannot be over-emphasised. Every opportunity should be taken to impress upon ships companies the catastrophic results which may ensue from the disregard of such orders or of common-sense fire precautions.

6. The danger from explosives on flight decks arises either from those loaded on aircraft or from those held in weapon parks. Loaded aircraft must always be left pointing in a safe direction. In particular they must be pointed away from other aircraft, and the potential dangers of taxying an armed aircraft close behind another must be borne in mind. Because of space limitations on a crowded flight deck, weapon parks tend to be given low priority in choice of site. This is wrong in principle, since safety in operations should transcend other considerations. The safest area for a weapon park in an aircraft carrier is outboard of the island.

Reduction of Amount of Explosive that Might be Involved in Fire

7. The amount of explosive stores on flight decks must be carefully controlled and should never exceed that required for immediate operational requirements. Consideration should be given to the methods to be employed to dump explosives over the side in an emergency and the routes by which they should be dumped.

Fire-Fighting Methods

8. The two requirements for fighting a fuel fire when explosives are involved conflict:

a. The fuel fire requires a foam blanket, which retains heat. Explosives within the blanket may cook-off after the flames have been extinguished.

b. Explosives require to be water cooled; this may exacerbate the fuel fire by spreading the burning fuel.

The current doctrine that the fire must first be put out as quickly as possible with foam is the best course that can be taken but attention is drawn to the following remarks.

Cook-off Times

9. The time taken for a weapon to cook-off in a fire depends upon many variables, including the nature of the explosives and propellant, the thickness of the case, the temperature of the fire and the position of the weapon relative to the heat source. It is not possible to state definite cook-off times for all weapons, but the following are typical minimum times, measured from the time that the weapon is enveloped in a fuel fire:

a. Thick case explosives, eg, HE Bombs, 90 seconds.

b. Thin case explosives, eg, rocket motors, 60 seconds.

When a weapon is insulated within a foam blanket, heat will pass from the wall to the filling and the internal temperature will continue to rise; the cook-off point may be reached some considerable time after the flames have been extinguished. This danger may remain for at least 30 minutes. Such explosives must be cooled with water as soon as the flames are out or thrown overboard as soon as possible.

Alternative Fire-fighting Crews and Equipment

10. The fire-fighting organisation must take account of the risk that the detonation of weapons in a fire may kill members of the fire-fighting teams and destroy equipment. As far as is possible, substitute trained crews and equipment should be available in positions where they are unlikely to be affected.

Reduction of Effects of Weapons Detonating

11. In the limited space available in a ship it will probably be impossible to site all explosives in the ideal relative positions to minimise the effects of detonation. The following rules are to be followed as far as is possible:

a. Stores should be orientated in echelon, nose to tail, within the limits of 30° each side of the nose and 30° each side of the tail of the neighbouring weapon.

Weapon stacks should be similarly orientated.

b. Propulsive stores should be placed within the same limits and orientated so that they will go over the side if fired.

12. The distances at which weapons are susceptible to sympathetic detonation and fragment attack have been studied. It has been possible to evolve guidance on the priorities with which types of explosive stores should be removed if threatened by the detonation of others. This is given in the following paragraphs. It is emphasised that the radii quoted, which are measured from the weapon in danger of cooking-off, cover the greater possibilities but some risk remains at greater distances.

13. For this purpose, weapons have been divided into *three classes as shown in Annex A to this Instruction.*

14. If a weapon is in danger of cooking-off the initial aim should be to separate other explosive stores in the following sequence:

a. Remove all explosives to a distance of at least 40 feet.

b. Following a., remove all Class 2 and 3 explosives to at least 60 feet.

c. Following b., remove all Class 3 explosives to at least 120 feet.

If circumstances permit, the above actions should be carried out concurrently. Explosives within these radii that cannot be moved should be cooled.

ANNEX A

Classification of explosives stores according to risk of sympathetic detonation:

Class 1

1,000 lb Bombs.

Class 2

500 lb Bombs.

250 lb Bombs.

Class 3

Mks 30, 44, 46 torpedo warheads.
Mk 11 Depth Charge.
Signal U/W Sound
25 lb Practice Bomb.
Mk 24 A/C Parachute Flare
2.75 in A/C Rocket.
5.0 in Zuni A/C Rocket.
Sidewinder.

(DWE 177/1/132)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

136—A/S Weapons—A/S Mortar, Mark 10—Barrel Brushes—Modification

(DCI 958/63)

To facilitate storage of barrel brushes, the following modifications are to be carried out:

Part affected	161002 BRUSH, piasaba, barrel.
Modification	Brushes will be modified to enable the heads to be detached from the handles, and the handles dismantled.
When to be done ..	As soon as possible.
By whom to be done ..	RANAD staff.
Drawing No	NOD 3080/13.
Amendment to Schedule of Modifications	A/S Mortar Mk 10 Add Serial No 29.
Additional Remarks ..	In order to simplify accounting, after modification, brushes will be accounted for under component parts, which are as follows: 162293 BRUSH (Drg No NOD 3080/1). 162254 HANDLE (Drg No NOD 3080/14). 161408 HANDLE (Drg No NOD 3080/15). Warrants will be amended.
RANADs only	Circular Letters (UG) Nos 10 and 15 refer.

(DAS 707/51/113)

UNCLASSIFIED

137—Cleaning of Wool and Wool and Nylon Carpets

1. New carpets supplied to HMA ships are siliconised prior to issue and in order to preserve the stain resistance of carpets retreatment will be required, at least six monthly intervals.

2. Fitted carpets should be dry powder cleaned in situ and re-siliconised. Spot treatment with wet shampoo could be used to advantage on persistant stains.

Application: a. For light cleaning shake powder onto the whole of the area affected (work in sections) ½ an ounce per square yard. Use more for heavily soiled areas.

b. Thoroughly massage powder into the pile with a firm brush.

c. Leave for twenty minutes and vacuum to remove all trace of powder. If trace of stain persists repeat procedure.

d. Re-siliconise by spraying with silicone fluid as recommended by the manufacturer.

Wet shampooing is considered more efficient but shrinkage restricts its use.

3. Loose carpets are to be wet shampooed and re-siliconised. It should be noted that solvents used in connection with the removal of stain caused by oil and grease will reduce the effective period of siliconising and should be sponged out completely before re-siliconising.

4. Cans of silicone fluid, wet shampoo and dry cleaning powder will be supplied by Superintending Naval Stores Officer, Sydney on receipt of demands indicating the area of carpet to be treated.

(ACDC 400/1/845)

RESTRICTED

138—HMAS SUPPLY—Transfer Station Identification Numbers

(DCI (RN) 1393/1968))

Navy Order 668 of 1969 is to be *amended* as follows:

The diagram under Paragraph 2 is to be amended by the addition of the number 15 in the lower deck plan at the position of the Astern fuelling Rig.

The table of RAS Transfer Points is to be *amended* by the addition of '15 Astern Fuelling Rig'.

(ACDC 1246/51/24)

(Navy Order 668 of 1969)

UNCLASSIFIED

139—Nylon Clothing—Electrostatic Hazards

1. Trials conducted by the Royal Navy on nylon-based fabrics, which can be taken as applicable to the foul weather suit, rainjackets, nylon, Catalogue Nos 41675–7, trousers, nylon, Catalogue Nos 42226–8, and the proofed nylon raincoat, Catalogue Nos 22160–66, have shown that during wear only small electrostatic charges, which are not significantly different from those obtained with ordinary clothing are likely to be generated. In the course of taking these garments off or, to a lesser extent, in pulling them on, however, voltages to the order of 6,000V can, under certain conditions, be built up.

2. Personnel handling electrically-initiated explosive devices or volatile fuels such as MT GAS and AVGAS are not therefore to take off or put on these garments in magazine, etc, compartments or those areas where fuels are present. The garments are always to be put on or taken off in safe areas such as mess decks where magazine regulations are not applicable and where there is no danger from the presence of fuels. In addition when such

clothing has been put on or taken off, the earthing procedure prescribed in BR 862, Article 0323, must be observed before entering or re-entering the danger areas referred to above, to disperse any charge that may remain on the clothing worn under the foul weather suit or raincoat.

3. All the garments referred to can of course be worn with complete safety by personnel concerned, who will not personally be at risk from any electrostatic charges which may be generated.

4. The wearing of leather soled footwear which is conductive, will also assist the discharge of electrostatic charges arising from the removal of this clothing.

5. This order will be reprinted for posting on Notice Boards.

6. Navy Order 536 of 1968 is hereby cancelled.

(D of V 917/90/176)

(Navy Order 536 of 1968)

UNCLASSIFIED

140—Pipes—Steam Feed FFO Systems, Etc—Small Bore Branch Welds—Failure

RAN Daring Class Destroyers and Type 12 Frigates

1. Reports have been received of branch weld failures on small bore pipe connections in some RN ships of the following classes:

Type 12 Class Frigates

a. FFO sprayer manifold—¼ in bore stub to pressure gauge shut-off valve.

b. ½ in HP Air supply branch to 1½ in bore auxiliary HP Sat steam supply to auxiliary feed pump.

c. 5 in bore Main Steam pipe—¼ in bore pressure gauge connection.

Daring Class

Stub pipe to dosing pot off feed discharge pipe on economiser side of main feed check.

2. Investigations indicate faulty design in that the connections besides being thin walled are 'set-on' with fillet welds. In addition, attached valves have been left unsupported. Unacceptably high stresses have thus been set up in a position of inadequate section and strength, resulting in early weld failure.

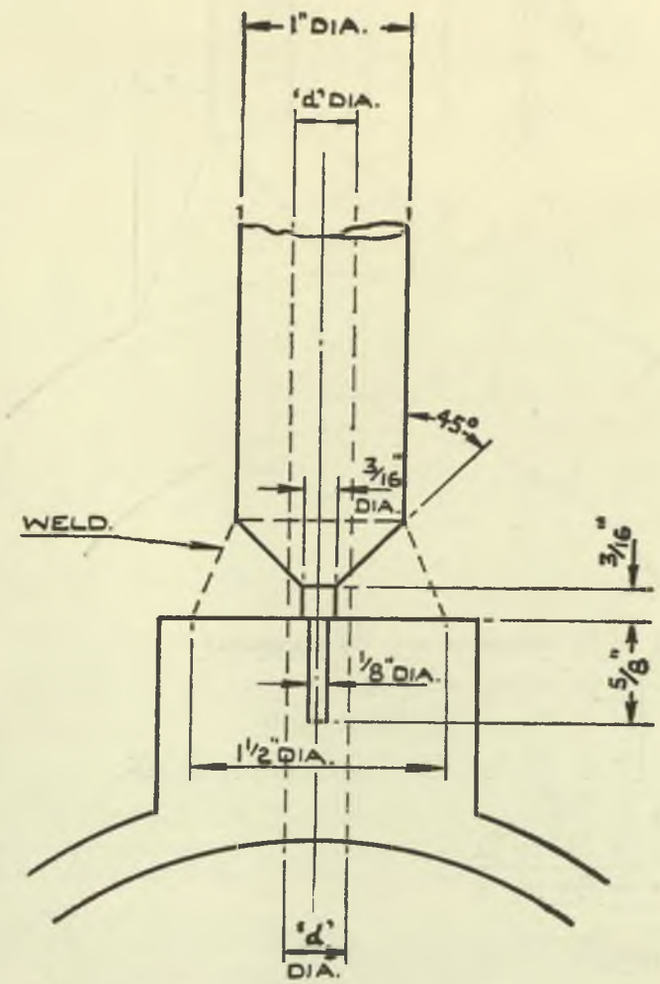
3. The only acceptable and satisfactory designs of small bore connections are shown in Annexes A and B to this order. These pintle type connections provide an increased thickness of branch and ensure full fusion welds.

4. When on examination, it is suspected that the small bore connections are not in accordance with the foregoing requirements, an item is to be included in the ships main defect list for modification at an early date.

5. MOD (Navy) has advised that BR 3001 (Marine Engineering Technical Instructions) will be amended.

6. Navy Order 262 of 1967 is hereby cancelled.

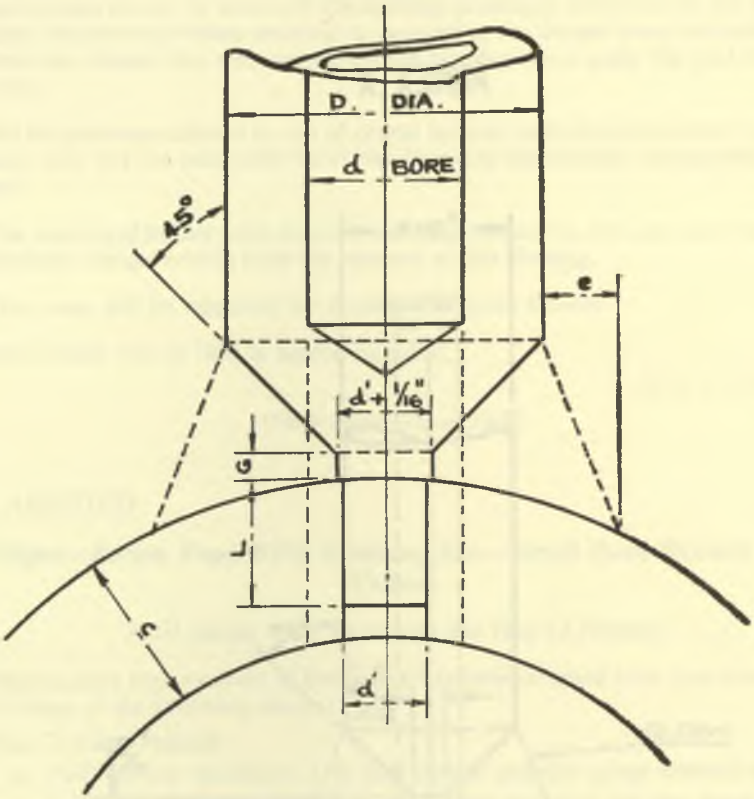
ANNEX A



'd' = BORES UNDER ½"

NOTE: BORE d TO BE CONTINUED THROUGH ON COMPLETION OF WELDING.

ANNEX B



d = 1/2" MINIMUM AND 1 1/2" MAXIMUM

d' = 1/4" FOR d = 1/2" TO 5/8"
= d − 3/8" FOR d = 5/8" TO 7/8"
= d − 1/2" FOR d = 1" DIAM, AND ABOVE

G = 3/16"

L = 3/8" TO 5/8"

e = D/4.

NOTE:-

1. BORE d TO BE CONTINUED THROUGH ON COMPLETION OF WELDING
2. WHERE t IS GREATER THAN 1" THE COLLAR DIAMETER OF G SHOULD BE EQUAL TO d'.

(*Navy Order 262 of 1967*) (DFM 400/1/279)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

RESTRICTED

ANOs 141-152/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
9 April 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

13303/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

141—Honours and Salutes on Parade—Inclusion of HRH The Prince of Wales

DCI (RN) 11/70

1. HM the Queen has given her approval to a joint Queen's Regulation on honours and salutes on parade in which HRH the Prince of Wales is specifically included. The relevant part of the new regulation is as follows:

Honours and Salutes on Parade

2. The honours and salutes to be given by guards of honour and on parades on the arrival and departure of the personages mentioned are as follows:

a. to HM the Queen, HRH the Prince Philip, Duke of Edinburgh, HM Queen Elizabeth the Queen Mother and HRH the Prince of Wales:

Royal Salute—Arms presented, Standards, Guidons and Colours lowered. The band is to play the first verse of the National Anthem for the Queen, the Duke of Edinburgh and the Queen Mother, but only the first six bars for the Prince of Wales.

If Prince Philip, Duke of Edinburgh, Queen Elizabeth the Queen Mother or the Prince of Wales arrives or departs during the Queen's presence the National Anthem is not to be played.

b. to other members of the Royal Family:

Royal Salute—Arms presented, Standards, Guidons and Colours lowered and the first six bars of the National Anthem are played, except that:

(1) when any of the personages at a. are present six bars of the National Anthem are to be played only if specially ordered for the member for whom the parade is held; and

(2) when none of the personages mentioned at a. is present, but more than one other member of the Royal Family is present, the first six bars of the National Anthem are to be played only for the member for whom the parade is held.

3. Regulations and instructions will be amended in due course.

(DSAW 12/1/58)

Section 2

PERSONNEL

UNCLASSIFIED

142—Prizes—Supplementary List (Seaman) Midshipmen—Entry 2/69

The Naval Board are pleased to announce that the United Service Institution of Victoria Prize has been awarded to:

Midshipman SLEX C. W. HARTCHER, RAN.

(D of T 38/6/31)

UNCLASSIFIED

143—University Courses for Instructor Officers—Civil Schooling Scheme

1. This order details the Civil Schooling Scheme whereby Instructor Officers may improve their academic qualifications at Departmental expense. The rules provide opportunities for officers to gain qualifications which will be of assistance in the performance of their duties, and equally important is the gain in efficiency by the Service when as many officers as possible have achieved high standards of education.

2. Instructor Officers may apply to undertake study at Departmental expense as follows:

a. Full-time, part-time or own-time courses to complete the requirements of a Science Degree.

b. Part-time or own-time courses to complete the Diploma of Education.

c. Part-time or own-time courses to undertake single subjects in the faculties of Science, Arts or Education,

provided such study meets Service requirements.

Applications

3. Applications for selection for such training must be made through the normal channels to reach Navy Office not later than 15 September in the year before that in which the desired courses are to commence.. The application must include the following details:

a. Title or description of the course.

b. University at which it is desired to study.

c. Aim of the course (a short statement of the officers qualifications and plan of subjects for the completion of his degree).

d. Whether full-time, part-time or own-time (if part-time, the number of hours per week that will be required off normal duty).

e. Approximate costs (fees, textbooks, instruments).

f. Dates:

(1) for enrolment;

(2) for commencement.

Methods of Selection

4. The number of officers obtaining approval for full-time or part-time training will be limited by the needs of the Service, training commitments, and after due consideration of the worthiness of the applicant to undertake the course at Departmental expense. It should be noted that it is not the intention to sponsor the full period of courses; it is expected that applicants will have shown their worthiness by having achieved certain units towards a qualification in their own time and at their own expense.

Fees

5. Fees payable by the Department will be all fees levied by the university without payment of which the member would not be permitted to undertake the course for which enrolled. These can include:

a. Entrance and matriculation fees.

b. Lecture and demonstration fees.

c. Library fees.

d. Examination fees.

e. Supplementary examination fees for one subject only in each year.

f. Tutorial fees (other than those tutorials included within the course of lectures and covered by lecture fees) to an affiliated College, but only in special cases upon the recommendation of the institution.

g. Laboratory and experiment fees, including charges for materials, but only upon the recommendation of the institution authorities.

h. Union fees and compulsory fees in respect of any other student body.

i. Sports Union fees.

Textbooks

6. When approval for a course of study is received, officers are to forward as soon as possible a list of the prescribed textbooks to the Director of Naval Education Service. Textbooks will be issued to Central Reference Libraries for issue on loan to the approved student for the duration of the course, and must be returned to the Library on completion or cancellation of the course.

Residence

7. Full-time or part-time course students will be appointed to a Naval training establishment in the vicinity of the university to be attended, will attend the lectures as part of their Naval duties, and will be subject to normal Naval discipline, administration, leave, etc. Full-time students may reside at a Naval establishment, in college, or at home if it is conveniently near the place of study, but must carry out training duties at the Naval training establishment during university vacations.

Vacation Schools

8. Approval is given for Instructor Officers, who are enrolled under this order for courses which demand attendance at vacation schools, to attend those schools, and to be issued with duty travel warrants for the journey to and from the university. Officers will be considered to be on duty during the period of the schools. This does not apply to Instructor Officers serving in HMA ships, HMAS TARANGAU or HMAS LEEUWIN, who undertake external studies courses with institutions in the Eastern States.

Progress of Course and Results

9. Commanding Officers of the establishments to which Instructor Officer students are posted are to report the results of examinations as soon as they are known, and to make recommendations on the continuation of the course at Departmental expense Instructor Officer students failing to make satisfactory progress may be withdrawn from the course at any time.

Further Service

10. Officers who have been selected for training under this order will be expected to continue to serve in the Navy on the expiration of the course for periods as laid down in RI Article 0347 (6)(v).

11. Navy Order 583 of 1968 is hereby cancelled.

(DNES 311/4/285)

(Navy Order 583 of 1968)

OPERATIONAL AND TRAINING

RESTRICTED

144—Naval Gunfire Support—Responsibility for Manning Communications

1. The responsibility for manning NGS communications in ships has been transferred from the Communications Branch to the RP Category.

2. In future, no CW NGS communication procedures will be taught in the RAN; and all NGS communication training will be conducted by the ND school, HMAS WATSON. ABR 27 and ABR 5009 will be amended in due course.

3. The following NGS training will be given to courses starting after 1 July 1970:

a. Introduction to ND aspects of NGS to DL Officers and RP promotion courses.

b. Refresher training in the ND aspects of NGS, including communications, to appropriate officers and sailors during A10 PWT.

c. NGS communications procedures to aircraft controllers and selected sailors during ASAC PWT.

(D of T 312/2/40)

UNCLASSIFIED

145—Sailors Course Programme, 1970

1. The alterations, additions and deletions shown in Annexes A, B and C of this order are promulgated as Amendment 2 to Navy Order 745 of 1969.

2. The Amendment List shown at Paragraph 6 of the parent order should be noted with both this order and Navy Order 27 of 1970 which promulgated Amendment I.

ANNEX A—ADDITIONS

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
Air Engineering	916820	LAMAE ..	ALBATROSS ..	55	D	31.8.70	13.11.70	4–12
WRANS ..	907720	WRRP	WATSON ..	30	—	13.4.70	22.5.70	4–6
	907300	WRRP (Navigators Yeoman)	WATSON ..	20	—	2.2.70	27.2.70	2–4
Career PCT..	902310	MTD	ALBATROSS ..	30	D	6.7.70	14.8.70	
WRANS ..	907330	WRMTD ..	ALBATROSS ..	30	—	6.7.70	14.8.70	

ANNEX B—DELETIONS

Weapon Electrical Engineering	914700	EM Categorisation	CERBERUS ..	—	—	Entire Entry		
Communications	912700	CO Categorisation	CERBERUS ..	35 (5 NBCD)	—	2.3.70	17.4.70	
Seaman ..	911790	ABCD	PENGUIN ..	85	—	27.1.70	19.6.70	
Medical ..	918240	Operating Room Attendant	CERBERUS or	60	B	9.2.70	18.9.70	
	918250		PENGUIN—Public Hospital	80				
Seaman ..	911750	ABRP	WATSON ..	80	—	2.3.70	19.6.70	
			PENGUIN ..	(5 NBCD 20 S'ship)		6.4.70	14.8.70	
	911760	ABUC	WATSON ..	105	—	6.4.70(2)	21.8.70	
			PENGUIN ..	(5 NBCD 20 S'ship)				
Communications	912730	ROS	CERBERUS ..			Entire Entry		

ANNEX B—*continued*

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
ME ..	913710	ME	CERBERUS ..	70	—	13.4.70	7.8.70	
						28.4.70	21.8.70	
						11.5.70	4.9.70	
WRANS ..	907330	WRMTD ..	ALBATROSS ..	30	—	22.6.70	31.7.70	
Career PCT..	902310	MTD	ALBATROSS ..	30	—	22.6.70	31.7.70	
			ANNEX C—AMENDMENTS					
Weapon Electrical Engineering	914710	EMP	CERBERUS ..	140	—	Delete: All start and Completion dates		
	914720	EMWE	CERBERUS ..	155	—			
	914730	EMWR	CERBERUS ..	180	—			
	914740	EMC	CERBERUS ..	180	—	Insert: 'As Required'		
WRANS ..	937740	WRROM Section B and C	HARMAN ..	85	—	As is	15.5.70	
							12.6.70	
							28.8.70	
							9.10.70	
							13.11.70	
							11.12.70	
							29.1.71	
							19.3.71	
Naval Airmen	903250	Combat Survival ..	RAAF Amberly ..	14	E	Delete: All start and Completion dates		
						Insert:		
						3.3.70	17.3.70	
						14.4.70	28.4.70	
						9.6.70	23.6.70	
						28.7.70	11.8.70	
						1.9.70	15.9.70	
						6.10.70	20.10.70	
						17.11.70	1.12.70	
Naval Airmen	915730	NAPHOT ..	ALBATROSS ..	85	—	23.1.70	27.5.70	2–4 *Note* 1
			PENGUIN ..	(5 NBCD)				*Add Note* 2
WRANS ..	937730	WRROT.. ..	CERBERUS ..	50	—	As is	27.3.70	
							24.4.70	
							19.6.70	
							21.8.70	
							25.9.70	
							23.10.70	
							4.12.70	
							5.2.71	

(D of T 311/1/75)

(*Navy Orders 745 of 1969 and 27 of 1970*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

146—Ammunition—Supply—Landing of Outfits and Samples for Examination

DCI (RN) 1185/69

1. The arrangements whereby the outfits of explosive-filled stores held in HMA ships and fleet establishments are required to be landed at intervals and samples of such stores landed annually for examination and test have been further reviewed. The revised requirements for stores of UK design detailed below are to be brought into effect from the date of this instruction.

2. *Landing of Complete Outfits.* Complete outfits are to be landed at the end of each commission or within the maximum period in NMER, Article 1701, whichever is the earlier.

3. *Landing of Samples NMER, Article 1702:*

a. Samples of explosive-filled stores are to be landed for examination at the end of the second year from receipt on-board and annually thereafter with the following exceptions:

(1) Certain stores requiring more frequent inspection, as listed in Paragraph 5 below.

(2) Stores no longer required to be sampled for propellant test purposes only, *see* Paragraph 7 below.

(3) Guided weapons for which the requirements of NMER, Article 1702, remain unchanged.

(4) Stores required by NMER, Article 1702, to be landed for examination under Article 1701 only—Paragraph 2 above applies.

(5) Stores where the complete outfit is required by NMER, Article 1702, to be landed at intervals of not less than two or more than three years. Such stores are to be landed at the end of each commission or within three years whichever is the earlier.

(6) Mines and associated stores—current instructions remain unchanged.

b. If the complete outfit is expected to be landed for examination within a maximum period of six months beyond an occasion laid down in Sub-paragraph 3 a. above, the landing of samples on that occasion may be waived, including those listed in Paragraph 5.

4. *Outfits Landed on Deposit.* The periods during which outfits are landed on deposit are to be included in the total periods stated in Paragraph 3 above.

5. *Stores Requiring More Frequent Inspection.* Samples of the following stores must continue to be landed at the end of the first year after embarkation and annually thereafter. Sample sizes required, and any remarks, remain as detailed in NMER, Article 1702:

a. Fuze Number—211 (except N9), 230, 259, N3, A/S Projectile Fuzes.

b. Fuze VT (Gun)—N80, N81 and N97.

c. Gaine—No 10.

d. Detonators—Aircraft Bomb Nos 51, 56, 57, 60 (Marks 2 and 3), No 52 (Marks 5 and 6), Bursters No 28 (Marks 2 and 3), Percussion Water Tight (Mark N8), Electric No 21 (Marks 7 to 10), Torpedo Electric No 1 (Mark 2).

e. Emergency Power Cartridges, viz, Cartridges Cable Cutter, Helicopter Flotation, Cockpit Canopy Jettison, Seat Ejection, Ejector Release Unit, Fire Extinguisher.

f. Pyrotechnics:

(1) All life saving and distress pyrotechnics stores which do not have an installed shelf life.

(2) Flares Aircraft Reconnaissance, Flares Ground Indicating Yellow, Markers Marine Aircraft, Igniters Torpedo.

6. The sample of any of the items listed in Paragraph 5 above shall contain a proportion removed from ammunition which has been stowed with the item fitted. In some cases this may involve landing the store in which the item is fitted. Details of selection, marking, packaging, etc, remain as in NMER, Article 1702.

7. *Landing of Samples of Propellant.* Routine landings of samples of propellant from HMA ships for testing is no longer required. Any further exception to this general rule will be promulgated by Navy Order.

8. BR 862 (NMER) Chapters 11, 17 and 26 will be amended.

(DAS 465/7/11)

RESTRICTED

147—Fuzes VT N80 Use for Practice Purposes

1. The current VT operational fuze is the N97. Stocks of N80 fuzes (the earlier type) are used for practice firings only. To simplify accounting procedures and handling problems, N80 fuzes will normally be supplied without exploders under Store Reference No 35837812 Fuzes N80 AA Practice Only.

2. The only exception is when HE Shell is to be used for AA practice and ships demanding N80 fuzes should indicate therefore the quantity to be used in HE Shell (in lieu of AA practice shell). For this purpose Armament Depots will supply N80 fuzes with exploders, Store Reference No 35857811.

3. RANADs are to arrange removal of exploders from stocks of N80 fuzes as soon as possible.

(DAS 726/70/222)

UNCLASSIFIED

148—Guns—A/S Mortar Mark 10—Breech Mechanism—Modification of 159240 Lever Grip, 159253 Lever Operating and 159407 Container Cartridge

DCI (RN) 464/64

Weapon .. .. A/S Mortar Mark 10.

Parts Affected .. .. .. Breech Mechanism.

Modification	159253 Lever Operating is to be modified by fitting a return spring. This involves modification to 159240 Lever Grip and 159407 Container Cartridge. The Lever Grip is also to be modified by fitting a pad.
Supply of Modified Components ..	HMA ships are to arrange with the nearest Armament and Weapon Equipment Depot for the modification or exchange of Breech Mechanism and spare Levers Operating, if this has not already been done.
Purpose	To eliminate risk of the breech opening when the mortar is fired and to improve operating in arctic conditions.
Supply of Additional Spares	3 springs for the Lever Operating (159609 Springs) will be supplied to each HMA ship mounting A/S Mark 10 Mortars and are to be stowed in 161042 Chest Tools and Spare Gear No 2.
Additional Information	161005 Jig Setting in 161249 Box is introduced concurrently to replace existing 161512 Jig Setting in 161680 Box. The new Jig is designed to ensure that after the correct clearance of .005 inch to 0.1 inch has been obtained between the 159317 Fork and the head of the Unit Contact and the adjusting screw on the 159317 Fork has been locked, the contact will not foul the cartridge container when the Breech Block is opened or closed. Use is not to be made of the new Jig until Breech Mechanisms have been modified and the clearance stated above can be worked to.

Amendment to Schedule of Modifications for A/S Mortar Mark 10:

Amend heading of Column 7 *to read:*

CL (UA), CL (UG), L of C or NAMAN and

insert new entry as follows:

Serial No	32.
Part affected	159019 Mechanism, Breech.
Nature of modification	159240 Lever Grip, 159253 Lever Operating and 159407 Container Cartridge to be modified to ensure breech remains closed when firing and to improve grip when operating Breech Mechanism in arctic conditions. Replacement of 161512 Jig Setting in 161680 Box by 161005 Jig Setting in 161249 Box.

Urgency	b.
To be done by	d.
DCI (RN) and Navy Order Nos ..	464/64 and 148 of 1970 respectively.
NOD Drawing or DCI Diagram ..	AME 4022/21. AME 4020/19. AME 4022/2.
CL (UA)	CL (UG) No 19.
CL (UG)	
L of C or NAMAN	

(DAS 707/51/110)

UNCLASSIFIED

149—Ship Internal Communications—New Developments

1. A brief description of the changes in internal communications equipment being introduced in HMA Ships SWAN and TORRENS is given below for the information of all concerned. Certain of the items listed will be included in the extended refit of the Daring Class and by A and A action in other ships where appropriate.

2. **Versatile Console System (VCS).** A series of modular plug-in units which are made up into consoles of various configurations. The consoles contain most of the instruments associated with navigation, weapon control, communications internal and external, and other functions required in the operational areas. Test leads are provided to enable servicing under power on conditions of the plug-in units when withdrawn.

3. **Interphone System.** A system of powered communications providing direct line two-way means of communications between individuals or groups. They form part of the VCS consoles where appropriate, elsewhere they are unit instruments.

4. **Composite Communication System (CCS).** A system which brings together, at command/control positions, the facilities of interphones, radio communications, intercom systems, auto telephone exchanges, etc, with a minimum of terminal equipment, and forms part of a VCS console where appropriate.

5. **Headsets.** Lightweight headsets with boom microphones are used to a much greater extent than hitherto. In noisy areas, noise cancelling microphones and noise reducing headsets are installed.

6. **Damage Control Telephones.** A number of portable battery operated telephones with inbuilt call up are housed at damage control stations. These may be plugged in at various positions to supplement the damage control interphone system.

7. **Transistorised Amplifiers.** These are of Australian manufacture to RAN design and replace the Admiralty Pattern 2, 16 and 50 watt valve type amplifiers. The basic amplifier has an output of 20 watts and arranged in two types of cubicles as follows:

a. Large cubicle—containing amplifiers and control panels for Main and Armament Broadcasts, small intercom systems and SRE.

b. Small cubicles—containing two 20 watt amplifiers for Machinery Broadcast and the larger intercom systems.

8. **Loudspeakers with Internal Amplifier.** These types of small loudspeakers have been modified to include a small transistorised amplifier for use in radio control systems and small intercom systems.

9. **SRE Tape Recorder.** A tape recorder has been installed in addition to the Record Player for SRE purposes.

10. **Sound Powered Telephones.** Sound powered telephones are not used in HMA Ships SWAN and TORRENS.

(DWED 16/1/16)

UNCLASSIFIED

150—Stores General (Group Class 5910)—Capacitors

1. In Navy Order 794 of 1968 old stock number 6BB-L14142 was changed to new stock number 5910-66-027-3882. Subsequently Navy Order 696 of 1969 was raised to amend 5910-66-027-3882 to read 5910-66-027-3880 but due to an error in printing the new stock number was incorrectly shown as 5910-66-027-3380 instead.

2. To rectify the position Navy Order 696 of 1969 is to be amended to read as follows:

'new stock number 5910-66-027-3382 against old stock number 6BB-L14142 is to be amended to read 5910-66-027-3880'.

3. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Articles 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

4. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/65/274)

(Navy Orders 794 of 1968 and 696 of 1969)

RESTRICTED

151—Wireless, Transmitters—Limitations on the Power Output to be Used with Radio Transmitting Set AN/URT-23 (V)

1. a. All RAN radio transmitters AN/URT-23 (V) have been locally modified before installation to permit operation on a power output of 250, 500 or 1,000 watts as selected.

   b. Due to incompatibility of presently fitted aerial systems and antenna coupler group AN/URA-38 (used with AN/URT-23 (V)), continued operation of AN/URT-23 (V) at 1,000 watts may result in early failure of equipment.

2. All surface ships are to limit output power of AN/URT-23 (V) to 250 watts for normal operational purposes. If after due regard to utilisation of optimum frequency appropriate to ionospheric conditions prevailing at the time of transmission output power of 250 watts has proved inadequate, the transmitter may be switched to the 500 watts output condition. Only in the exceptional circumstance that 500 watts output proves inadequate may the transmitter be switched to the 1,000 watts output condition. In either circumstance the transmitter is to be switched back to the 250 watts output condition as soon as practicable.

3. RAN submarines are to use an output power of 500 watts for normal operational purposes. Operation at power outputs in excess of this should be attempted only in emergency situations as failure of the ALN antenna system is likely at the higher power level.

4. Irrespective of the output power and the condition of the transmitter, the antenna coupler control C-3698/URA-38, mode selector switch is to be switched to manual immediately after tuning of the equipment utilising auto tune facilities.

5. All ships fitted with AN/URT-23 (V) are to report monthly by signal to Navy Office on occasions when use of power output in excess of 250 watts for surface ships or 500 watts for submarines was necessary, listing:

   a. Number of occasions when necessary to increase power for reliable communications.

   b. Type of service and station being worked.

   c. Operating frequency range and date.

   d. Any other relevant data.

6. For RANTAU trials acceptance purposes the AN/URT-23 (V) may be switched to the 1,000 watt output condition for equipment performance checks. Transmissions should be kept to a minimum.

7. It should be noted that operation at high power will increase the level of RF interference especially in HF receiving systems and may result in equipment damage due to the high induced voltages.

(DWED 16/7/80)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

152—ABR 5074—RAN Catalogue of Stores—Status as at 1 February 1970

1. The status as at 1 February 1970 of the various group class sections comprising the publication ABR 5074—RAN Catalogue of Stores—is promulgated in Annex A to this order for general information.

2. Holders of the publication not holding latest changes/issues of group class sections to which they are entitled should contact the Superintending Victualling Store Office, Sydney. Applications for any variations to current allowances should be made to Navy Office in accordance with Navy Order 583 of 1969.

3. On receipt of latest changes/issues any superseded sections should be dealt with in accordance with Paragraph 19 of Navy Order 583 of 1969. This includes those sections endorsed DDG SHIPS.

ANNEX A

Group Class	*Change No*	*Issue No*	*Group Class*	*Change No*	*Issue No*
0100	2	2	0214	2	2
0211	1	2	0216	1	2
0212	1	2	0218	–	1
0213	3	2	0221	1	2

Group Class	Change No	Issue No
0222	1	2
0223	1	2
0231	2	2
0232	1	2
0241	2	2
0242	3	2
0243	2	2
0244	1	2
0245	3	2
0246	1	2
0247	1	2
0248	2	2
0249	4	3
0251	2	2
0252	1	2
0253	2	2
0254	2	2
0255	1	2
0256	1	2
0257	2	2
0258	1	2
0259	1	2
0261	1	2
0262	3	2
0263	2	2
0264	3	2
0265	2	2
0266	2	2
0267	1	2
0268	2	2
0269	2	2
0271	3	2
0272	3	2
0273	3	2
0274	3	2
0275	2	2
0276	3	2
0277	3	2
0278	2	2
0281	1	2
0282	2	2
0283	2	2
0284	1	2
0289	–	1
0310	1	1
0330	1	1
0340	1	1
0350	2	2
0411	1	2
0412	1	2
0413	2	2
0414	3	2

Group Class	Change No	Issue No
0415	2	2
0421	1	1
0422	1	1
0423	1	1
0431	3	2
0432	2	2
0433	2	2
0434	2	2
0435	1	2
0441	1	2
0442	2	2
0443	1	2
0444	1	2
0445	1	2
0451	2	1
0461	3	2
0462	2	2
0471	1	2
0472	3	3
0473	2	2
0474	3	3
0475	2	2
0476	2	2
0477	1	2
0481	1	2
0558	–	1
0675	–	1
0711	–	1
0721	1	2
V1	1	2
V2	1	2
V3	1	2
V4	1	2
V5	1	2
V6	1	2
V7	1	2
V8	–	1
FORMS	1	2
1010*	–	1
1015*	–	1
1020*	–	1
1025*	–	1
1035*	–	1
1040*	–	1
1045*	–	1
1055*	–	1
1090*	–	1
1210*	–	1
1220*	–	1
1240*	–	1
1250*	–	1
1260*	–	1

Group Class	Change No	Issue No
1265*	–	1
1280*	–	1
1285*	–	1
1290*	–	1
1355*	–	1
1420*	–	1
1430*	–	1
1440*	–	1
1710	–	1
1720	–	1
1940	–	1
1945	–	1
2010*	–	1
2030*	–	1
2040	2	3
2090*	1	1
2530	1	2
2540*	–	1
2805*	–	1
2815*	–	1
2825*	–	1
2910*	–	1
2915*	–	1
2920*	–	1
2930*	–	1
2940*	–	1
2990*	–	1
3010*	–	1
3020*	–	1
3030	1	2
3040*	–	1
3110	1	2
3120	2	3
3130	1	2
3433	1	2
3439	1	2
3441*	–	1
3455	1	2
3460	1	2
3510*	–	1
3530*	–	1
3540	–	1
3610*	–	1
3655*	–	1
3740	1	2
3895	–	1
3920	–	1
3940	2	3
3950*	–	1
3990	–	1
4010	1	2
4020	1	2

Group Class	Change No	Issue No
4030	1	2
4110*	–	1
4130*	–	1
4140*	–	1
4210	1	2
4220	1	2
4230*	–	1
4240	1	2
4310*	–	1
4320	1	2
4330*	–	1
4410*	–	1
4420*	–	1
4440	1	2
4450*	–	1
4510	1	2
4520*	–	1
4530*	–	1
4540*	–	1
4710	1	2
4720	1	2
4730	1	2
4810*	–	1
4820	1	2
4910*	–	1
4925*	–	1
4930	1	2
4931*	–	1
4933*	–	1
4935*	–	1
4940	1	2
5110	1	2
5120	1	2
5130	1	2
5133	1	2
5136	1	2
5140*	–	1
5180	1	2
5210	1	2
5220	1	2
5305*	–	1
5306	1	2
5307	1	2
5310	1	2
5315	–	1
5320	1	2
5325	1	2
5330	1	2
5340	1	2
5345	–	1
5350	1	2
5355*	–	1

Group Class	Change No	Issue No
5440	1	2
5510	1	2
5530	–	1
5610	–	1
5640	–	1
5680*	1	1
5805	–	1
5810	–	1
5815*	–	1
5820*	–	1
5821*	–	1
5825*	–	1
5826*	–	1
5830	–	1
5835	1	2
5840*	–	1
5841*	–	1
5845*	–	1
5850	–	1
5895*	–	1
5905*	–	1
5910*	–	1
5915*	–	1
5920*	–	1
5925*	–	1
5930*	–	1
5935*	–	1
5940*	–	1
5950*	–	1
5955*	–	1
5960*	–	1
5961*	–	1
5965	1	2
5970*	–	1
5975	1	2
5977*	–	1
5985*	–	1
5990*	–	1
5995*	–	1
5999*	–	1
6105*	–	1
6110*	–	1
6115*	–	1
6125*	–	1
6130*	–	1
6135	1	2
6140	–	1
6145*	–	1
6150*	–	1
6210*	–	1
6220*	–	1
6230*	–	1

Group Class	Change No	Issue No
6250*	–	1
6320*	–	1
6350*	–	1
6530	–	1
6605*	–	1
6625*	–	1
6630	1	2
6640	1	2
6645*	–	1
6650*	–	1
6660*	–	1
6665*	–	1
6670	1	2
6675	1	2
6680	1	2
6685	2	3
6695*	–	1
6730*	–	1
6750*	–	1
6760*	–	1
6810	1	2
6830	1	2
6840	–	1
6850	1	2
6910	1	1
6920	–	1
6940*	–	1
7105*	–	1
7110	–	1
7125	–	1
7195*	1	1
7210*	1	1
7220*	1	1
7240	1	2
7290*	–	1
7310*	–	1
7320*	–	1
7330*	–	1
7340*	–	1
7350*	–	1
7420*	–	1
7460*	–	1
7490*	–	1
7510*	–	1
7520	1	2
7530*	–	1
7810	–	1
7830	–	1
7910*	–	1
7920	1	2
7930	1	2
8010	2	2

Group Class	Change No	Issue No
8020	1	2
8030	1	2
8040	1	2
8015	–	1
8110	1	2
8115	–	1
8120	1	2
8125	2	3
8135	1	2
8140*	–	1
8305*	1	1
8405*	–	1
8415*	–	1
8430*	–	1
8460	1	2
8465*	–	1
9140*	–	1
9150	1	2
9160	1	2

Group Class	Change No	Issue No
9320	1	2
9330	1	2
9340	1	2
9350	–	1
9390	1	2
9505	1	2
9510	1	2
9515	1	2
9520	1	2
9525	1	2
9530	1	2
9535	1	2
9540	–	1
9545	1	2
9620	–	1
9640	–	1
9650	1	2
9905	1	2

ABR 5074B Issue I and First Cumulative Supplement
ABR 5074C Issue I and First Cumulative Supplement
ABR 5074D Issue I and First Cumulative Supplement

* For DDG ships (group classes thus designated were subject to a limited distribution).

(DSAP 465/52/1292)

(Navy Order 583 of 1969)

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

HISTORIAN

ANOs 153-169/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
15 April 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

13633/70

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

153—Free Literature on Credit Facilities

1. The Australian Finance Conference has advised that they will provide literature, free of charge, on the subject of credit facilities in Australia.

2. Papers and pamphlets on the following subjects are available:

'The Australian Finance Industry'
'Instalment Credit—What it is'
'Rights and Obligations of Buying on Credit'
'Buying while in Service'
'Rebating'
'When Time means Money'
'Credit Care or Credit Cares'

3. From 1970 the Australian Finance Conference will be conducting a programme of education on credit facilities to new entry officers and sailors. The use of the above literature in Divisional Periods would provide a continuation of this programme to personnel already serving.

4. Ships and establishments should request supplies of the literature direct from the Australian Finance Conference. Addresses of the State Divisions of the Conference are shown in Annex A.

ANNEX A

State Divisions of the Australian Finance Conference

		Telephone
Federal Directorate and NSW Division	Australian Finance Conference Ltd Dalton House 115 Pitt Street SYDNEY NSW 2000 (GPO BOX 3537)	25–6331
VICTORIAN Division ..	TAA Building 50 Franklin Street MELBOURNE VIC 3000 (GPO BOX 2053S)	34–4116
QUEENSLAND Division ..	Kodak House 250 Queen Street BRISBANE QLD 4000 (GPO BOX 439F)	2–2675
SA Division	15 Franklin Street ADELAIDE SA 5000 (GPO BOX 1733N)	51–6140
WA Division	214 St Georges Terrace PERTH WA 6000 (GPO BOX 49B)	23–1277

		Telephone
TASMANIAN Division ..	Scottish Union Building 152–154 Macquarie Street HOBART TAS 7000	2–2449
ACT Education Committee ..	City Mutual Building Hobart Place CANBERRA ACT 2601 (PO BOX 726)	49–7233

(D of T 312/21/104)

UNCLASSIFIED

154—Medical Expenses for Dependants of Members Serving Overseas on Long Term Duty

1. The provisions governing assistance with medical expenses in respect of dependants of members serving overseas on long term duty have been reviewed to provide that claims for reimbursement of expenditure may be submitted at any time up to six months after the end of a year. Claims submitted after this date should be forwarded with an explanation of the delay for consideration by the Head of Post or Navy Office, as appropriate. A year for this purpose commences on the date or anniversary of the members arrival at the post.

2. Where claims are submitted for reimbursement in respect of part of a year, the whole of the minimum yearly payment, ie, $A30 is to be deducted from the first claim.

3. NPI 105/308A (5 and 10) should be noted pending amendment.

(HPB 156/51/147)

UNCLASSIFIED

155—Oversea Allowances—United Kingdom

1. Following a review of oversea allowances the rates of certain allowances payable to personnel serving on long and intermediate term duty in the United Kingdom have been varied. The new rates are shown as they effect the Naval Pay Instructions and as will be included in those Instructions in due course:

a. NPI 105/201—Oversea Living Out Allowance—*Delete* the Table and *insert* the following table in its stead:

Marital Status	*Category*	*Rate per Day per Group $A*				
		1	*2*	*3*	*4*	*5*
Married Accompanied	(*a*)	3.21	3.95	4.66	5.34	8.90
Member	(*b*)	4.19	4.93	5.64	6.33	9.89
Member other than	(*a*)	1.88	3.14	4.05	4.92	7.10
Married Member ..	(*b*)	2.46	3.72	4.62	5.50	7.67

b. NPI 105/203 Oversea Living Out Allowance—*Delete* the Table in Paragraph 1 and *insert* the following table in its stead:

Category	*Rate per Day per Group $A*				
	1	*2*	*3*	*4*	*5*
(*a*) (*d*)	2.88	3.62	4.33	5.01	8.58
(*a*) (*e*)	1.69	2.95	3.85	4.73	6.90
(*a*) (*f*)	0.73	1.99	2.89	3.77	7.16
(*a*) (*g*)	0.80	2.06	2.96	3.84	7.23
(*a*) (*h*)	1.95	3.21	4.11	4.99	7.16
(*a*) (*j*)	2.02	3.28	4.18	5.06	7.23

c. NPI 105/205—Return of Victuals and Accommodation Deduction. The amount of $409 per year in line two of NPI 105/205 is *omitted* and an amount of $445 per year ($1.22 per day) *inserted* in its stead.

d. NPI 105/223—Rental Allowance—*Delete* the table in Paragraph 2 of NPI 105/223 and *insert* the following *in lieu:*

—	*Furnished Accommodation—Excluding Rates*				
	SBLT and Sailors	*Leut or Relative Rank*	*LCDR, CMDR or Relative Rank*	*Captain*	*CDRE and Above*
	£Stg per week	£Stg per week	£Stg per week	£Stg per week	£Stg per week
London					
Married ..	15 0 0	16 0 0	17 0 0	18 10 0	21 0 0
Single	11 5 0	12 0 0	12 15 0	13 10 0	15 0 0
Birmingham and Manchester:					
Married ..	11 10 0	12 10 0	13 10 0	14 10 0	15 10 0
Single ..	8 10 0	9 10 0	10 10 0	11 10 0	12 10 0
Bristol, Edinburgh and Glasgow Greenoch area:					
Married ..	11 0 0	12 0 0	13 0 0	14 0 0	15 0 0
Single ..	8 0 0	9 0 0	10 0 0	11 0 0	12 0 0
Belfast and elsewhere:					
Married ..	10 10 0	11 10 0	12 10 0	13 10 0	14 10 0
Single ..	7 15 0	8 15 0	9 15 0	10 15 0	11 15 0

e. NPI 105/224—Education Expense Allowance—*Delete* the amount of £Stg 65 per school term per child in line 3 of Paragraph 2 and *insert* the following *in lieu:*

£Stg55 per term per child in kindergarten years;
£Stg70 per term per child in primary school years; and
£Stg95 per term per child in secondary school years.

f. NPI 105/226—Mileage Allowance—*Delete* the table in Paragraph 1 and *insert* the following table in its stead:

	Pence Sterling	
	Up to 5,000 miles	*Over 5,000 miles*
Motor car 1,501 cc and above	14	10
Motor car 1,001–1,500 cc	12	8
Motor car up to 1,000 cc	10	6

2. These provisions will be included in the Naval Pay Instructions in due course.

3. Navy Order 439 of 1968 is hereby cancelled.

(HPB 252/201/29)

(*Navy Order 439 of 1968*)

UNCLASSIFIED

156—Oversea Allowances—United States of America

1. Following a review of the oversea allowances payable to personnel posted to United States of America on long or intermediate term duty, certain variations in the rates and conditions governing payment of Oversea Living Out Allowance, Rental Allowance and Travelling Allowance have occurred. The new rates and conditions are shown as they affect the Naval Pay Instructions and as will be included in these instructions, in due course.

a. NPI 105/101:

(1) The table in Paragraph 1 is omitted and the following inserted in its stead:

Country	*Marital Status*	*Category*	*Rate per Day per Group—$A*				
			1	*2*	*3*	*4*	*5*
USA other than New York, Los Angeles or San Francisco	Married accompanied	(*a*)	8.68	10.33	11.29	12.22	15.29
	Member	(*b*)	10.00	11.64	12.60	13.53	16.60
		(*a*) (*d*)	8.25	9.89	10.85	11.78	14.85
	Member other than Married ..	(*a*)	5.94	7.64	8.46	9.25	10.30
		(*b*)	6.76	8.46	9.28	10.07	11.12
		(*a*) (*e*)	5.66	7.36	8.18	8.98	10.03
New York ..	Married Accompanied	(*a*)	9.62	11.18	12.14	13.10	16.44
	Member	(*b*)	10.93	12.49	13.45	14.41	17.75
	Member other than married ..	(*a*)	6.81	8.46	9.28	10.13	11.34
		(*b*)	7.64	9.28	10.10	10.95	12.16

Country	*Marital Status*	*Category*	*Rate per Day per Group—$A*				
			1	*2*	*3*	*4*	*5*
San Francisco	Married Accompanied	(*a*)	9.01	10.88	11.81	12.74	15.84
	Member	(*b*)	10.33	12.19	13.12	14.05	17.15
	Member other than	(*a*)	6.32	8.24	9.06	9.88	10.71
	Married ..	(*b*)	7.14	9.06	9.88	10.70	11.53
Los Angeles	Married Accompanied	(*a*)	9.29	11.37	12.35	13.34	16.49
	Member	(*b*)	10.60	12.68	13.67	14.66	17.81
	Member other than	(*a*)	6.70	8.76	9.61	10.46	11.53
	Married ..	(*b*)	7.53	9.58	10.43	11.28	12.35

(2) *Delete* the rate of $A409 in line 2 of note 1 to NPI 105/101 and insert the amount of $A445 in lieu.

b. NPI 105/117—Rental Allowance:

(1) *Delete* the rates for New York in the table in Paragraph 2 and *insert* the following rates *in lieu:*

Rank	*Category*	*New York*
		$US
SBLT, SBLT (SD) or officer of relative or lower rank and sailors	(*a*)	450
	(*b*)	330
Leut, Leut (SD) or relative rank	(*a*)	480
	(*b*)	360
LCDR, LCDR (SD) or relative rank, Cmdr, Cmdr (SD) or relative rank	(*a*)	570
	(*b*)	450
Captain	(*a*)	630
	(*b*)	510
CDRE and above	(*a*)	—
	(*b*)	—

(2) *Delete* the amounts of $US15 and $Can15 from Paragraph 3 of NPI 105/117 and *insert* the amounts of $US20 and $Can20 respectively, *in lieu.*

(3) *Delete* Paragraphs 6 and 7 of NPI 105/117 and *insert* new Paragraph 6 and renumber the existing Paragraph 8 as 7.

(6.) Where it is necessary for members to lease unfurnished or partly furnished accommodation the actual rental paid may be supplemented by taking account of the expenditure on additional items, furniture, furnishings, fixtures and fittings on the following conditions:

(*a*) total expenditure of less than $100 does not qualify for assistance;

(*b*) only basic furniture items may be included. These will not include linen and blankets, crockery and glassware, pots and pans and minor electrical equipment which are normally transported from Australia at Departmental expense and also exclude items beyond basic living requirements such as radiograms and television sets;

(*c*) acceptable expenditure totalling at least $100 qualifies for addition to the actual rental of accommodation at the rate of $1.75 per month per $100 of expenditure, pro rata over $100. The amount of expenditure is to be reduced as necessary where the cost value has depreciated;

(*d*) accommodation rental plus any additions as above are not to exceed the relevant rental ceilings for furnished accommodation shown in Paragraph (2.) of this instruction;

(*e*) the Department will not accept responsibility for loss on sale of any item either individually or in the aggregate;

(*f*) the Department will not freight any item included in the furniture component of the rental calculations;

(*g*) assistance in terms of these provisions will not be continued beyond a period of three years.

Note: The amounts shown above are in American currency.

(4) Insert new instruction 105/117A:

NPI 105/117A—Advance Rentals and Security Deposits—On production of evidence of liability for payment and subsequent production of a receipt by the member concerned, advance payments may be made to the member in the following circumstances and subject to the conditions specified:

(A) One month's advance rent—

The Commonwealth portion of one month's rent. Rental Allowance payments to the member will cease one month before the termination of the lease or one month before the conclusion of the member's posting, whichever is the earlier.

(B) Two months advance rent—

The Commonwealth portion of two months rent. Rental Allowance payments to the member will cease two months before the termination of the lease or two months before the conclusion of the members posting, whichever is the earlier.

(C) Security Deposit—

The full amount of the security deposit. The amount so advanced is to be recovered from the member at the termination of the lease or the conclusion of the members posting, whichever is earlier.

Note: The above arrangements are between the Department and the member only and the Department will not accept liability for the recovery of the security deposit from the landlord or for any damage to the property during the members period of tenancy.

c. NPI 105/118—Cost of Heating and Other Services:

insert new Paragraph (2.):

(2.) Where the rent paid includes the cost of heating and/or water and such costs can be isolated, the rental is to be reduced by the actual amount(s) so identified and rental assistance calculated accordingly.

d. NPI 105/124—Travelling Allowance:

Delete the table in Paragraph 1 and *insert* the following table *in lieu:*

Rank	*Rate per Day* $
Commodore and above	26.00
Lieutenant-Commander, Commander or Captain	23.50
Lieutenant and below	21.00

e. NPI 105/131—Oversea Living Out Allowance:

Delete the rates for USA in Paragraph 2 and *insert* the following rates *in lieu:*

Country	*Marital Status*	*Category*	*Rate per Day per Group—$A*				
			1	*2*	*3*	*4*	*5*
USA ..	Married Unaccompanied	(*a*) (*f*)	4.49	6.19	7.01	7.81	10.03

f. NPI 105/151—Oversea Living Out Allowance:

(1) *Delete* the rates for USA in Paragraph 1 and *insert* the following rates *in lieu:*

Country	*Marital Status*	*Category*	*Rate per Day per Group—$A*				
			1	*2*	*3*	*4*	*5*
USA ..	Other than married ..	(*a*) (*g*)	5.12	6.81	7.64	8.43	9.48

(2) *Delete* the amount of $409 from Paragraph 2 and *insert* the amount of $445 *in lieu:*

g. NPI 105/165—Oversea Living Out Allowance—*Delete* the rates for USA in Paragraph 1 and *insert* the following rates *in lieu:*

Country	*Marital Status*	*Category*	*Rate per Day per Group—$A*				
			1	*2*	*3*	*4*	*5*
USA ..	Married	(*a*) (*h*)	3.95	5.64	6.47	7.26	9.48

2. Navy Order 526 of 1968 is hereby cancelled.

3. These provisions will be included in the Naval Pay Instructions in due course.

(HPB 252/1/105)

(*Navy Order 526 of 1968*)

UNCLASSIFIED

157—Sheila McClemans Trophy

1. The Sheila McClemans Trophy awarded annually for competition for efficiency in Naval Establishments where members of the WRANS are serving, has been awarded for 1969 to the WRANS Unit in the Sydney Area, HMAS WATSON.

2. Navy Order 181 of 1969 is hereby cancelled.

(HPB 138/6/43)

(*Navy Order 181 of 1969*)

UNCLASSIFIED

158—Short Term Duty Travelling Allowance

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119 of 1970 have been varied as follows:

Table A

Delete the rates for Ceylon and Pakistan and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Ceylon	Rupees ..	155	160	165
Pakistan:				
Islamabad ..	Rupees ..	130	140	150
Karachi ..	Rupees ..	145	155	165
Dacca ..	Rupees ..	140	150	160
Elsewhere—*See* Table B				

Table B

Insert new rates for Pakistan:

Pakistan—Islamabad, Karachi and Dacca—*See* Table A				
Elsewhere ..	Rupees ..	45	50	55

2. The effective date for variation in the rates is 21 January 1970.

(HPB 252/7/26)

(*Navy Order 119 of 1970*)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

159—Alteration and Addition Item—General Fleet Fitting

The following Item has been approved as an Alteration and Addition for the following ships:

River Class Destroyers. CLI No 395 (Ex TDL 'YAC').

HMAS QUEENBOROUGH. CLI No 622 (Ex TDL 'NQBK').

HMA Ships VAMPIRE and VENDETTA. CLI No 162 (Ex TDL 'NDCT').

Shore Establishments WATSON and CERBERUS.

a. *Item:* 'To install a Rule of Thumb Depth Correction Unit in the Sonar Control Room for applying depth corrections to the Sonar Type 170.'

b. Weight compensation will be required for the additional 20 lb weight. However, the weight moratorium precludes this Item being carried out immediately in HMA Ships STUART and DERWENT.

c. *Reference:* HMAS YARRAs Form AS1182 (TG103) TDL 'YAC' dated 9 October 1968 forwarded under cover of FOCAF memorandum dated 2 May 1969.

(CNTS 1224/67/488)

UNCLASSIFIED

160—Ammunition—Cartridges Power—USA Cartridges Used in Skyhawk Aircraft. Cartridges Impulse Mark 8 Mod 0

Navy Order 835 of 1969 is to be amended as follows:

Paragraph 1

Delete

Item—Cartridge Impulse mark 8 mod 0 FSN 2T–1375–075–5846–M185.

Insert

Cartridge Impulse mark 8 mod 0 FSN 2T–1377–075–5846–M185.

(DAS 465/7/14)

(*Navy Order 835 of 1969*)

UNCLASSIFIED

161—Naval Stores—Boatswains Calls and Chains—Accounting

(*DCI (RN) 591 of 1969*)

1. A recent review of expenditure has highlighted the excessive demands being lodged for the following items:

Group Class	*Catalogue No*	*Description*
0251	20	Calls Boatswains
0251	21	Chains Nickel/Silver

2. In the interests of economy the attention of all concerned is drawn to the need for greater care in the custody and issue of these items which, particularly in the case of Boatswains Calls, have a souvenir value.

3. To assist in controlling expenditure, the items detailed in Paragraph 1 are to be dealt with as attractive consumable stores from the date of receipt of this order and are to be issued only on production of a demand, Form SX100 or SX128 (AS156X), as appropriate.

4. ABR 4, RAN Storekeeping Manual, will be amended in due course.

(DSAP 465/7/23)

RESTRICTED

162—Naval Stores—Introduction of Camera Dial Recording Outfit

1. A Camera, Dial Recording Outfit has been introduced for use on MRS 3 (AFCB 10) fitted ships and at the Gunnery Range. Supply of the complete outfit as detailed hereunder together with 1 No each of the following items will be effected without demand by the Superintending Naval Store Officer, Sydney and on receipt, Dial Recording Cameras and accessories currently in use should be returned to store:

Group Class	*Catalogue No*	*Description*	*Dq*	*Cl*
6720	66–032–6625	Camera dial recording outfit, complete ..	No	P
6135	66–016–0341	Battery dry 1.35V	No	C
6240	66–021–0300	Lamp incandescent	No	C
6740	66–031–3290	Reel processing photographic film, 35mm, 36 exposures	No	P

2. For the purpose of accounting and demanding replacements, the individual camera components and accessories comprising the complete outfit are enumerated with cataloguing details in Annex A to this order.

3. Training of operators will be carried out by the Base Photographic Unit and should coincide with the installation of the equipment which will be carried out by the supplier when the above HMA ships are available in the Sydney area.

ANNEX A

Items Comprising Camera, Dial Recording Outfit Complete

Group Class	*Catalogue No*	*Description*	*Denom*	*Acctg Classn*
6720	66–032–6573	Body, camera still picture	No	P
6760	66–032–6574	Case photographic equipment for FTN camera	No	P
6760	66–032–6567	Lens, camera, general photographic, 24mm F2.8	No	P
6760	66–026–4709	Filter, light, optical instrument, 52mm polarising	No	P
6760	66–032–6578	Viewing attachment, right angle for FTN camera	No	P
6760	66–032–6618	Flash unit, photographic repeating ..	No	P

Group Class	*Catalogue No*	*Description*	*Denom*	*Acctg Classn*
6760	66–032–6617	Filter, orange, flash gun	No	C
6760	66–032–6609	Accessory shoe, camera	No	C
6730	66–032–6570	Projector, still picture; W/strip attachment, 4 inch aldis lens and carrying case	No	P
6760	66–032–6626	Case, photographic equipment; for complete outfit	No	P
6740	66–025–9341	Processing unit, photographic film; W/36 exposure film reel	No	P
6135	66–016–0341	Battery, dry; 1.35V	No	C
6240	66–021–0300	Lamp incandescent	No	C
6740	66–031–3290	Reel processing photographic film; 35mm, 36 exposures	No	P
6760	66–032–6590	Motor drive back, camera, for FTN camera	No	P

(DSAP 400/202/299)

UNCLASSIFIED

163—Naval Stores—Introduction of Polisher Floor Electric 16 inch and Associated Spares

1. The following Polishers Floor Electric, 16 inch are being progressively introduced to replace Polisher Floor Electric 15 inch presently in use:

Group Class	*Catalogue No*	*Description*	*Dq*	*Cl*
7910	66–030–4140	Polisher floor electric 115V AC ..	No	P
7910	66–031–3097	Polisher floor electric 240V AC ..	No	P
7910	66–035–0095	Polisher floor electric 220V DC ..	No	P

The 15 inch machines should continue to be used until they become uneconomical to repair and stocks of spares have been exhausted. Paragraph 3 of Navy Order 317 of 1969 is relevant.

2. Details of spares for the Polishers Floor Electric 15 inch and 16 inch are shown in Annex A together with allowances and interchangeability.

ANNEX A

Allowance of Spares for Polisher Floor Electric and Applicability

Group Class	Catalogue Number	Description	D of Q		Interchangeability
1	2	3	4	5	
3110	66–034–3236	Bearing set, motor	No	B	
5340	66–021–5539	Grips, handle	ST	C	
5930	66–021–5540	Switch, toggle	No	C	
5930	66–034–3243	Switch, push	No	B	
6105	66–021–5551	Armature, motor, 220V DC	No	C	
6105	66–021–5552	Rotor, motor, 240V AC	No	C	1 for each 3 (or part thereof) machines held
6105	66–021–5553	Rotor, motor, 115V AC	No	C	
6105	66–034–3240	Armature, motor, 220V DC	No	B	
6105	66–034–3241	Rotor, motor, 240V AC	No	B	
6105	66–034–3242	Rotor, motor, 115V AC	No	B	
7910	66–021–5536	Bearing set motor	No	C	
7910	66–021–5537	Band, bumper	No	C	
7910	66–021–5538	Chain, driving	No	C	
7910	66–026–5115	Pad, floor polishing machine (coarse)	No	A	2 for each machine held
7910	66–026–5116	Pad, floor polishing machine (medium)	No	A	5 for each machine held
7910	66–034–3237	Band, bumper	No	B	
7910	66–034–3238	Chain, driving	No	B	1 for each 3 (or part thereof) machines held
7910	66–034–3239	Grips, handle	ST	B	
7910	66–034–3244	Wheel assembly	No	B	

Interchangeability

A Items common to both machines.

B Items peculiar to 16 inch machines.

C Items peculiar to 15 inch machines

(DSAP 518/57/37)

(Navy Order 317 of 1969)

UNCLASSIFIED

164—Sale or Loan of Oil Fuel

1. Requests for sale or loan (replacement issue) of oil fuel (FFO and DIESO) for bunkering merchant ships or ships of other governments or to meet requirements of commercial and other enterprises are received from time to time, usually as a matter of urgency.

2. Whilst such requests are not to be encouraged, they should receive prompt and adequate consideration bearing in mind also the goodwill necessary to be maintained in this field to ensure reciprocal attention to RAN fuelling requirements particularly at outlying ports.

3. The basic requirements for such transactions are set out in Navy Accounts Manual, ABR 5018, Articles 20 and 21. However, to assist in the presentation of such requests, for decision by competent authority, the following matters should be covered specifically:

a. The type and quantity of oil fuel required.

b. The name and nationality of the ship or organisation requiring the oil fuel.

c. The name of the organisation to which the sale or loan would be made.

d. The reason for the request.

e. The nearest alternative source of commercial supply of a suitable grade of oil fuel and why this source cannot be availed of.

f. Whether the quantity of oil fuel requested is the minimum necessary to meet the requirement, eg, to ensure safe arrival of ship at next bunkering source on route being followed, and whether the fuel could be made available without detriment to RAN requirements.

g. If sale of oil fuel is requested, whether the organisation has been informed of and will comply with the conditions of financial adjustment. In this connection sales to private firms organisations or individuals are subject to pre-payment or lodgment of bank guarantee prior to delivery in accordance with NAM Article 61. The arrangements for financial adjustment for sales to other governments are set out in Annexes A and B to Navy Order 289 of 1969.

h. If loan is required, whether the organisation at c. guarantees that:

(1) The replacement oil fuel would comply with the relevant RAN specification (DEF (AUST) 227 for FFO or DEF (AUST) 213 for DIESO);

(2) It would meet all out-of-pocket expenses including storage and handling charges associated with the loan;

(3) It would provide an indemnity in the terms of Treasury Direction 32/21 (*d*) (i);

(4) The fuel would be replaced within a period of time to be stated by the applicant;

(5) It would accept RAN calibrations for all oil fuel measurements to determine quantities issued and received.

4. Standing arrangements exist with the USN (for both FFO and DIESO) and with the RNZN (for FFO only) for the supply of oil fuel for RAN stocks. It should be made clear to other applicants for oil fuel supplies that sale would be made at a price not less than that currently charged at the nearest commercial installation or at the ruling RAN price (including lighterage if applicable and any extraneous expenditure incurred) whichever was the greater. The agreement of applicants to this condition should be confirmed before approval of competent authority is sought for sale of oil fuel. This condition should also be taken into account when assessing the value of a bank guarantee, *see* Paragraph 3 g. above.

(DNS 523/51/687)

(Navy Order 289 of 1969)

UNCLASSIFIED

165—Solvents for Cleaning Electrical Machines

1. Recurring incidence of ships generator and motor insulation deterioration throws considerable suspicion on the method of usage of cleaning fluid 6850–66–021–5551/5552 to Navy Office Spec 1275. Exposure to this fluid beyond a few minutes can result in destructive attack on certain insulating materials in common use in machine construction.

2. This pattern fluid is not to be used on insulating materials unless maximum exposure is limited to 5 minutes, followed by forced air drying to evaporate fluid. Where such is not practical, a different solvent Freon TF (tricholorotrifluoroethane), is to be used, exposure to which should not exceed 4 hours. The new solvent is available in the following packages:

16 ounce aerosol	6850–66–030–6107
1 gallon container	6850–66–033–9686
12 gallon container	6850–66–032–6776

3. It must however be realised that solvents, by their nature will eventually have a deleterious effect on solids, particularly if used at higher temperatures. Freon TF (tricholorotrifluoroethane) for example, has no visible effect on polystyrene after 4 hours at 75° F; makes it brittle and cracked after 4 hours at 118° F and totally dissolves it in 100 hours at 130° F. This is a particularly bad case chosen for illustrative purposes. For this reason, exposure of materials even to the new pattern solvent is always to be kept to the minimum practical time and temperature.

4. For comparison of properties with other well known solvents the following table will be of use:

	Freon TF (tricholoro-triflouroethane)	*CCl_4*	*Tricholoro-ethylene*
Evaporation rate (relative to CCl_4)	170	100	118
Surface tension (dyne/em, a measure of wetting ability)	19	26.8	32
Flash point..	Non flam	Non flam	Non flam
Toxicity (PPM)	1,000	10	100
Per cent linear swell of natural rubber	17	44	67
Effect on enamel oil paint	None	Softens	Peels
Effect on common wire coatings	None	None to severe crazing	None to slight crazing and softening
PVC	None	None	Softened
Polythene	None	Dissolve	Slight softening

5. Whilst non-flammable and virtually non-toxic, compartments in which the solvent are used are to be fully ventilated. This is because the vapour is considerably heavier than air and will displace it, leading to asphyxiation. Protective gloves are to be worn by operatives to avoid prolonged contact. Freon supplied for refrigeration purposes differs from the solvent and is not to be used for cleaning purposes.

6. Where bulk usage of solvents take place, arrangements are to be made for reclamation for re-use.

7. It is probable that past use of the Catalogue 6850–66–021–5551/2 solvent has caused cracking and softening of insulation varnishes in machines which will render them prone to degradation of the insulation resistance, particularly when slightly damp. In any case where this is apparent, consideration is to be given to rewinding the machine.

8. Catalogue 6850–66–021–5551/2 solvent is being retained in Naval Service for general cleaning purposes of mechanical components, for which the high expense of the new fluid would not be justified.

9. Navy Order 671 of 1969 is hereby cancelled.

(DNS 465/7/16)

(*Navy Order 671 of 1969*)

UNCLASSIFIED

166—Stores General (Group Class 5960)—Electron Tubes and Associated Hardware—Change of Stock Numbers

1. As a result of changes to item identification data advised by the codification authority of the country of origin of items concerned, the following stock number changes have been made and will be effected from 28 April 1970.

	New Stock Number	
Catalogue Number	*Group Class*	*Catalogue Number*
L48902	5961	66–015–7140
L49056	5961	00–826–9048
L55040	5961	66–019–2953
L58692	5961	00–025–9363
L58706	5961	00–995–2383
L58741	5961	00–054–0046
L58748	5961	00–995–2310
L62650	5961	00–226–8579
L62652	5961	00–826–6865
00–L58728	5961	00–821–2309
00–L58736	5961	00–752–5725
00–L58737	5961	00–027–1255
00–L58740	5961	00–079–5958
00–L58741	5961	00–054–0046
00–L58743	5961	00–819–1611
00–L58745	5961	00–754–5468
00–L62601	5961	00–847–7125
00–L62602	5961	00–899–6454
00–L62603	5961	00–989–3762
00–L62604	5961	00–892–0892
00–L62605	5961	00–828–1485
00–L62606	5961	00–082–4020
00–L62607	5961	00–932–9240
00–L62609	5961	00–988–8857
00–L62610	5961	00–981–5587
00–L62611	5961	00–059–2904
00–L62612	5961	00–855–7695
00–L62613	5961	00–841–1989
00–L62614	5961	00–840–1056
00–L62616	5961	00–988–1913

Catalogue Number	New Stock Number Group Class	Catalogue Number
00–L62617	5961	00–681–0237
00–L62634	5961	00–892–3544
00–L62650	5961	00–226–8579
00–L62651	5961	00–226–8578
00–L62656	5961	00–958–4837
00–L62657	5961	00–815–6815
00–L62658	5961	00–881–9398
00–577–6084	5961	00–577–6084
00–687–0183	5961	00–687–0183
00–752–5240	5961	00–752–5240
00–842–9864	5961	00–842–9864
00–845–9264	5961	00–845–9264
00–865–3448	5961	00–865–3448
00–866–5454	5961	00–866–5454
00–883–8906	5961	00–883–8906
00–892–0898	5961	00–892–0898
66–L62659	5961	00–936–7620
66–L62660	5961	00–925–0814

2. Action is to be taken to adjust accounts accordingly. ABR 4 (RAN Storekeeping Manual) Article 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 519/54/388)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

167—Control and Use of Photocopying Equipment

1. Advice from the Department of the Treasury states that the Audit Office has expressed concern at the lack of control over the use of photocopying equipment and materials in certain Commonwealth Departments, leading to wastage, uneconomic use of equipment and materials, and to the possibility of improper use.

2. If not already in force, action is to be taken to introduce the following controls to prevent wastage and misuse:

a. Access to equipment is to be restricted to authorised staff.

b. A system of proper authorisation is to be adopted to ensure that only departmental work is processed and that extensive numbers of copies are not produced. The officer giving approval for photocopying should consider alternative methods of reproduction in appropriate cases.

c. Appropriate records of usage of equipment (including the number of copies made of each document copied) are to be kept to show whether equipment is fully employed or whether there is any excess capacity.

d. Appropriate records of the usage of associated material are to be kept to avoid over ordering and consequent loss due to deterioration.

3. If the result of action at Paragraph 2 c. shows that there is excess capacity that could be utilised, a report is to be forwarded to Navy Office stating:

a. Where the equipment is held and by whom it is used.

b. The type of equipment, eg, Xerox, Thermofax.

c. The level of additional work (ie, the number of additional copies) that could be reproduced on a weekly basis.

4. The following are the approximate costs of reproduction by the machines in use in the Department of the Navy. The figures include the cost of paper and other consumable items:

Machine	*Cost per Copy*
Rand Xerox	
Model 422	1 to 5 copies .. 4.20 cents per copy
	6 and over .. 1.5 cents per copy
Model 720	1 to 5 copies .. 4.20 cents per copy
	6 and above .. 1.5 cents per copy
Model 3600	1 to 5 copies .. 4.20 cents per copy
	6 and over .. 0.9 cents per copy
Savin, Model 220 .. AB Dick Model 675	.. 1.5 cents per copy
3M Copiers	
Model 45 .. Model 107	.. 7.23 cents per copy
SCM, Model 55	.. 2.9 cents per copy

5. In cases of straightforward typescript it is more economical to copy by typewriter stencils than by photocopy when the number of copies required is in excess of:

Rank Xerox:	**Copies**
Model 422	10 copies
Model 720	10 copies
Model 3600	15 copies
Savin	20 copies
AB Dick	20 copies
3M Copiers	5 copies
SCM 55	10 copies

6. These factors are to be borne in mind by persons authorising photocopy reproduction and consideration given to using the stencil method whenever the relevant economic photocopy number given in Paragraph 5 above, is exceeded by 5 copies.

(GEO (GS) 462/3/61)

UNCLASSIFIED

168—Form OM136—Report of Unusual Incident or Accident

1. Form OM136, Report of Unusual Diving Incident or Accident has been introduced to replace the diving incident report format contained in ABR 155 Article 3605.

2. The forms will be issued in pads of 50, without demand. Instructions for completing the forms is included on the inside cover of each pad.

3. ABR 155 Article 3605 will be amended.

(DUW 177/1/121)

169—Supply Division, Sydney—Correspondence and Signals

1. From 1 January 1970, the Chief Superintendent of Supply (CSS), Sydney, became a signal addressee and all signals concerning supply matters in the East Australia Area are now to be addressed to CSS Sydney, information FOICEA.

2. Relevant communication publications are being amended accordingly.

3. Routine correspondence in connection with Supply matters should be addressed direct to the appropriate Superintending Supply Officer, however, correspondence of other than a routine nature and/or of application generally to the Supply Division, Sydney, is to be addressed to the Chief Superintendent of Supply.

4. Navy Order 102 of 1968 is hereby cancelled.

(C of S 2/51/59)

(*Navy Order 102 of 1968*)

Navy Orders 78 to 180 of 1967 are now over 3 years old and may be disposed of accordingly.

Printed for the Government of the Commonwealth by W. G. Murray, at the Government Printing Office, Canberra

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
22 April 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

170—Use of Signal Addresses as Short Titles

1. A list of authorised RAN signal addresses is included in ABR 5028/69 (RAN Communication Orders) Section 5—RAN Message Writing Instructions.

2. This section has been widely distributed for use in ships, establishments and headquarters.

3. Where it is necessary or appropriate in the text of orders, publications and official correspondence to use a short title for an authority who is an authorised signal addressee, his signal address should be quoted.

4. A list of abbreviations and short titles for joint service use is contained in JSP (AS) 102 (Manual of Joint Service Writing) Volume II, Annex A. Short titles in this list are not necessarily authorised signal addresses.

(D of C 16/3/10)

Section 2

PERSONNEL

UNCLASSIFIED

171—Blood Grouping of Personnel on Entry

1. All personnel entering the Service are to have their full ABO and Rh(D) blood groups determined and recorded at the establishment where they receive their initial training.

Procedure

2. The blood group determinations are to be carried out only by staff of the Medical Branch experienced in the techniques. Generally, this will mean that the testing will be done by trained laboratory technicians. A laboratory technician from RANH PENGUIN is to be lent to NIRIMBA as required for grouping of apprentice intakes; RANC intakes are to be sent to ALBATROSS for grouping. Group determinations carried out by Red Cross Blood Transfusion Services will be acceptable if supported by documentary evidence.

3. The laboratory staff performing blood grouping must give it their full attention, ie, they are not to be required to perform any other duties whilst blood-group determinations are in progress.

4. ABO groups are to be determined using the appropriate 'A', 'B' and 'O' sera exactly according to the manufacturers instructions. Personnel should be 'back-grouped' by checking their sera against known A and B cells, to confirm the determination. Rh 'D' grouping is to be performed by the technique in which the operator has been trained, again using the sera exactly according to the manufacturers instructions. Rapid methods (designed for emergency use) are to be avoided. All D negative samples should be tested against a second anti-D sera of a different batch. The laboratory technician is responsible for organising a routine for labelling samples and tests which will obviate any possible error in recording or method.

Recording

5. Laboratory staff should record the days results in a bench book, which should be checked occasionally to see that the distribution of Rh(D) positive results is close to the anticipated proportion.

6. Results are to be entered on MHDs, Identiy Cards and Identification Tags on completion of each batch of tests. The records must be checked against the actual tests (preferably by a second person) after the recording is complete. Moss classification (I-IV) is not to be used; ABO groups are to be recorded simply as 'A', 'B' or 'O'. Only the Rhesus D group will be indicated, simply as 'Positive' or 'Negative'. For example, a person of group A, Rh(D) negative will be recorded as 'A Negative'. Place and date of grouping are always to be shown.

Serving Personnel

7. It is of the utmost importance that personnel at present serving have blood groups checked as soon as possible, provided that grouping of new entries is not thereby prejudiced. Determinations are to be checked with entries already recorded on their MHDs, Identity Cards and Identification Tags. If any discrepancy is noted, the groups are to be re-determined, according to the provisions of this order and the entry on the relevant records amended. Place and date are to be noted, whether amendment is required or not, so that entries that have been scrutinised and checked may be distinguished from those which have not. A report of MHDs checked and the number found incorrect, is to be included in the Medical Officers Journal, Paragraph 0.

8. The above instructions apply equally to all members of the RANER and CNF entering for continuous full-time service either voluntarily or on call up. If Service facilities are not available for blood grouping, arrangements should be made with the Red Cross Blood Transfusion Service of the relevant State.

9. Navy Orders 171 and 296 of 1967 are hereby cancelled.

(MDG 327/53/83)

(Navy Orders 171 and 296 of 1967)

UNCLASSIFIED

172—Payment of Oversea Allowances During Leave to Members Serving Overseas on Long Term Duty

1. The conditions governing payment of oversea allowances during periods of recreation leave as shown in NPI 105/305 have been reviewed to provide that where a member takes leave in the country to which he is posted, the appropriate rate of Oversea Living Out Allowance and Child and Rental Allowance, if applicable, may be continued until the date prior to that of departure from that country or for a period of 28 days where the member is on foreign service leave scale or 42 days where the member is on Home Service Leave Scale, whichever is the earlier.

2. Similarly, where a member takes leave in another country en route to Australia, he may be paid the appropriate rates of Oversea Living Out Allowance and Child and Rental Allowance, if applicable, either to the country of posting or to the country where the leave is taken, whichever is the less.

3. This provision is only applicable to members serving on long term duty and may not be applied to members serving overseas on Intermediate or Short Term Duty.

4. NPI 105/305 should be noted pending amendment.

(HPB 252/4/123)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

173—Physical Fitness and Recreation Training in the RAN

1. It has been decided that the Modified Swedish PT System does not meet the Physical Training requirements of the RAN. The use of this system of Physical Training is therefore to be discontinued.

2. In 1968 a book entitled 'Physical Fitness and Recreational Training' was produced and issued by CST CERBERUS. It is considered the systems outlined in this publication are most suitable to the requirements of a modern Navy. Accordingly the CERBERUS publication is to be used for Physical Fitness and Recreational Training in the RAN as from receipt of this order.

3. The CERBERUS book will be issued eventually as an ABR.

(D of T 148/3/79)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

174—Issue of Aiguillettes and Royal Cyphers

1. The notification of appointment of an officer to a position requiring an Aiguillette or Royal Cypher to be worn constitutes authority for loan issue of these items. Aiguillettes and Royal Cyphers are to be demanded from Royal Edward Victualling Yard. When received Aiguillettes and Royal Cyphers are to be taken on charge in the ships Clothing Account and issued on loan to the officer concerned.

2. ABR 93, Manual of Victualling Stores, Part I, Appendix 35 (3)(2), will be amended.

(D of V 917/87/16)

UNCLASSIFIED

175—Return of Gun Ammunition Items to RANADs for Re-use

1. Certain items of gun ammunition and fuzes are provided primarily for protection during transport and handling and are removed before firing. The items concerned which are listed hereunder, are to be returned to RANADs for re-use:

a. *5 inch 54 Calibre Ammunition*

Tanks for charges
Projectile grummets
Fuze covers.

b. *4.5 inch Ammunition*

Shell plugs and spacers
Fuze covers.

2. Care is to be taken when removing the above items to avoid damage which might preclude their re-use.

(DAS 726/51/128)

UNCLASSIFIED

176—Stores—ABR 5074 RAN Catalogue of Stores—Introduction of Change Bulletins and Cumulative Supplements

1. The current procedure of promulgating changes in catalogue data such as change of stock number, catalogue number, status, accounting classification, denomination of quantity, etc, in Navy Orders is to be discontinued shortly.

2. Instead, fortnightly Change Bulletins to ABR 5074, RAN Catalogue of Stores, detailing all such catalogue changes applied to the EDP NAVCAT file during the fortnightly period will be issued to all holders of the Catalogue.

3. The Change Bulletins will be numbered consecutively within each calendar year and are to be regarded as the authority for adjusting stores accounts and records in respect of the catalogue data changes notified therein.

4. Catalogue data changes initially notified in the fortnightly Change Bulletins will be included in ABR 5074 in due course.

5. ABR 5074 will be updated by the issue of Cumulative Supplements to the Group Classes concerned and also by the periodical re-issue of the basic Catalogue section.

6. Cumulative Supplements will list additions and changes to the NAVCAT file subsequent to the issue of the basic Catalogues and each succeeding Cumulative Supplement will include all the variations covered in the preceding Supplement.

7. The Cumulative Supplements will be printed on blue coloured paper to distinguish them from the white (for refined data) and yellow (for unrefined data) pages of the basic Catalogues.

8. On receipt of a Cumulative Supplement it should be placed in the Catalogue immediately before the section for the Group Class concerned. Any previous Cumulative Supplement for the same Group Class should be removed and destroyed. Normally, after the issue of three successive Cumulative Supplements a Group Class section will be entirely re-issued.

9. When using the Catalogue, the latest Cumulative Supplement for the Group Class concerned should be read in conjunction with the basic Catalogue section.

(DSAP 465/52/1292)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

177—BR 70—Signal Letters of United Kingdom and Commonwealth Ships—Cessation of Publication

1. Publication of BR 70 'Signal Letters of United Kingdom and Commonwealth Ships' has ceased.

2. The Last Cumulative Supplement published was corrected to 30 June 1969.

3. Ships and establishments are to retain their present holdings until 30 June 1970 after which date they should be disposed of in accordance with Navy Order 583 of 1969, Paragraph 19.

4. NAVPUB will be amended accordingly.

(D of V 465/52/1281)

(Navy Order 583 of 1969)

UNCLASSIFIED

178—Supersession of ABR 5053—Catalogue of Stationery—By ABR 5074 Group Classes 7510, 7520 and 7530

Further to Navy Order 279 of 1967, ABR 5053, Catalogue of Stationery, has been rendered obsolete by the issue of ABR 5074 Group Classes 7510, 7520 and 7530 now in course of distribution. On receipt of the latter, copies of ABR 5053 are to be disposed of in accordance with normal procedure.

(DSAP 465/52/903)

(Navy Order 279 of 1967)

Section 7

CANCELLED LIST

UNCLASSIFIED

179—Cancellation of Navy Order

Navy Order 13 of 1970 is hereby cancelled.

(DSAP 400/51/296)

UNCLASSIFIED

180—Cancellation of Navy Orders

Navy Orders 450 and 647 of 1968, 14, 89, 109, 298, 404 and 432 of 1969 may now be cancelled, having been incorporated in ABR 4, RAN Storekeeping Manual, by Change No 1.

(DSAP 465/7/1)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

ANO 181/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
30 April 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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Section 5
BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

181—Mail for HMA Ships

1. The Postmaster-Generals Department has provided schedules showing the arrival and departure times of mails at the main Australian ports visited by HMA ships. This schedule is contained in Annex A to this order.

2. Similar information has been provided by the Postmaster-Generals Department showing the arrival and departure times at the main ports in New Zealand, Papua-New Guinea, Malaysia, Fiji, British Solomon Islands Protectorate, Samoa, Ceylon and the Philippines. These schedules are also contained in Annex A to this order.

3. Navy Orders 63, 180, 240 and 278 of 1967 and 174 of 1969 are hereby cancelled.

ANNEX A

New South Wales

—	—	—	PORT KEMBLA	NEWCASTLE	JERVIS BAY	NOWRA NAVAL P.O.	—
ARRIVALS	*BY AIR* AT POST OFFICE	S		3.30p 12mn			S
		M		6a 10a 4p 7p 9p			M
		T		6a 10a 4p 7p 9p			T
		W		6a 10a 4p 7p 9p			W
		T		6a 10a 4p 7p 9p			T
		F		6a 10a 4p 7p 9p			F
		S		6a 10.30a 6p			S
	READY FOR COLLECTION			Half an hour after arrival			
	BY SURFACE AT POST OFFICE	S		6.30p 12mn			S
		M	6.10a 12.20p	10.15a 4p 7.15p 8p 11p 12mn	9a	10.50a 2.20p	M
		T	6.10a 12.20p	6a 10.15a 4p 7.15p 8p 11p 12mn	9a	10.50a 2.20p	T
		W	6.10a 12.20p	6a 10.15a 4p 7.15p 8p 11p 12mn	9a	10.50a 2.20p	W
		T	6.10a 12.20p	6a 10.15a 4p 7.15p 8p 11p 12mn	9a	10.50a 2.20p	T
		F	6.10a 12.20p	6a 10.15a 4p 7.15p 8p 11p 12mn	9a	10.50a 2.20p	F
		S	6.10a	6a 10.15a 10.5p	9a	10.50a	S
DEPARTURES	READY FOR COLLECTION		9a and 1.30p	45 minutes after arrival except 10.5p Sat. available 7a Sun.	20 minutes after arrival	15 minutes after arrival	
	BY AIR MAIL CLOSES AT POST OFFICE	S		3p			S
		M		4.30a 4p 5p			M
		T		4.30a 4p 5p			T
		W		4.30a 4p 5p			W
		T		4.30a 4p 5p			T
		F		4.30a 4p 5p			F
		S		4.30a 9.30p			S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S	6p	12mn		(NOWRA ONLY)	S
		M	7.30a 1.30p 5.15p	6.30a 12 noon 4p 5p 12mn	11.15a	9.20a 1.15p	M
		T	7.30a 1.30p 5.15p	6.30a 12 noon 4p 5p 12mn	11.15a	9.20a 1.15p	T
		W	7.30a 1.30p 5.15p	6.30a 12 noon 4p 5p 12mn	11.15a	9.20a 1.15p	W
		T	7.30a 1.30p 5.15p	6.30a 12 noon 4p 5p 12mn	11.15a	9.20a 1.15p	T
		F	7.30a 1.30p 5.15p	6.30a 12 noon 4p 5p 12mn	11.15a	9.20a 1.15p	F
		S	7.30a 12.30p	6.30a 1p 9p	10.45a	9.20a	S

—	—	—	PORTLAND		WILLIAMSTOWN		—
ARRIVALS	*BY AIR* AT POST OFFICE	S					S
		M	8p				M
		T	8p				T
		W	8p				W
		T	8p				T
		F	8p				F
		S					S
	READY FOR COLLECTION		9 a.m. following day				
	BY SURFACE AT POST OFFICE	S					S
		M	12.30p	5p	6.21a	2.31p	M
		T	12.30p	5p	6.21a	2.31p	T
		W	12.30p	5p	6.21a	2.31p	W
		T	12.30p	5p	6.21a	2.31p	T
		F	12.30p	5p	6.21a	2.31p	F
		S	12.30p		6.21a		S
DEPARTURES	READY FOR COLLECTION		1.45p and 6p Mon.–Fri. Sat. 9a Mon.		a.m. dispatches 8.15 a.m. p.m. dispatches 3.00 p.m.		
	BY AIR MAIL CLOSES AT POST OFFICE	S					S
		M	6.30a				M
		T	6.30a				T
		W	6.30a				W
		T	6.30a				T
		F	6.30a				F
		S	6.30a				S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S			11a	3p 5p	S
		M	5.45a	12 noon	11a	3p 5p	M
		T	5.45a	12 noon	11a	3p 5p	T
		W	5.45a	12 noon	11a	3p 5p	W
		T	5.45a	12 noon	11a	3p 5p	T
		F	5.45a	12 noon	11a	3p 5p	F
		S	5.45a	12 noon	12 noon		S

—	—	—	BOWEN	BUNDABERG	CAIRNS	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	4.30p		8.15p	S
		M	9a 2.45p	3.45a 7.45a 2.15p	2.15p 8.15p	M
		T	9.30a 2.15p	3.45a 7.45a 12 noon 2.15p	8a 5p 8.15p	T
		W	2.45p	3.45a 7.45a 8a 2.15p	8a 1.45p 8.15p	W
		T	12 noon	3.45a 7.45a 12 noon 2.15p	8a 1.45p 4p 8.15p	T
		F	9.30a 2.15p	3.45a 7.45a 8a 2.15p	8a 4.45p 8.15p	F
		S	9.30a 4.30p	3.45a 7.45a	8a 4.30p 8.15p	S
	READY FOR COLLECTION		One hour after arrival Mon.–Sat. (Sat. and Sun. p.m. arrivals—9 a.m. Sun. and Mon. respective)	30 minutes after arrival	One hour after arrival	
	BY SURFACE AT POST OFFICE	S	2a		3.30p	S
		M	2a	3.45a 6a		M
		T	2a	3.45a 4.15a 6a	3.30p	T
		W	2a	4.15a 6a	3.30p	W
		T	2a	3.45a 4.15a 6a	3.30p	T
		F	2a	4.15a 6a	3.30p	F
		S	2a	3.45a 4.15a 6a	3.30p	S

	READY FOR COLLECTION		9a Mon.–Sat.	30 minutes after arrival	90 minutes after arrival	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S	9.30a			S
		M	9.30a	8.15a 3.30p	5.30p 11.30a	M
		T	1.15p	8.15a 12 noon 3.30p	5.30a 10.30a 6p	T
		W	1.30p	8.15a 3.30p	5.30a 10.30a	W
		T	11a	8.15a 12 noon 3.30p	5.30a 10.30a	T
		F	1p	8.15a 3.30p 6p	5.30a 11.30a 6p	F
		S	11a	8.15a 3.30p	5.30a 11.30a 9p	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S	10a	6.15a 6p	11a	S
		M	5p	6.15a 6p	11a	M
		T	5p	6.15a 6p	11a	T
		W	5p	6p	11a	W
		T	5p	6.15a 6p	11a	T
		F	5p	6p	11a	F
		S	11a	6.15a 3p		S

—	—	—	GLADSTONE	HAYMAN ISLAND	MACKAY	—
ARRIVALS	*BY AIR* AT POST OFFICE	S		2p		S
		M	8.30a 2.45p	2.30p	*4.45a 9a 11a 2p 9.30p	M
		T	8a 1.15p	2p	5.15a 10.30a 2p 10p	T
		W	9a 3.15p		6.15a 12.30p 2p 10p	W
		T	7.45a 1.15p		5.15a 10.30a 2p 9.30p	T
		F	9a 4.45p	2p	6.15a 2p 10p	F
		S	9a	2.30p	5.15a 10.30a 7.30p 9.30p	S
	READY FOR COLLECTION		1–2 hours after arrival. Mail arriving 4.45p. Friday not available until 9a Sat.	30 minutes after arrival Mon. and Sat. One hour after arrival other days.	1–1½ hours after arrival. * Sunday nights receipts.	
	BY SURFACE AT POST OFFICE	S				S
		M	7.15a		9.30p	M
		T	7.15a		9.30p	T
		W	7.15a	12.15p	9.30p	W
		T	7.15a		9.30p	T
		F	7.15a	5.45p	9.30p	F
		S	7.15a		9.30p	S
DEPARTURES	READY FOR COLLECTION		9a	90 minutes after arrival	90 minutes after arrival	
	BY AIR MAIL CLOSES AT POST OFFICE	S			11.30a	S
		M	8.30a 3p	9a 5p	6a 2p	M
		T	6.30a 2.45p		6a 2p	T
		W	7.30a 2.45p		6a 2p	W
		T	6.30a 2.45p	5p	6a 2p	T
		F	9.15a 3.15p		6a 2p	F
		S	8a 12 noon	9a 5p	6a 11a	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S				S
		M	3.30p 5p		5a	M
		T	3.30p 5p	9a	5a	T
		W	3.30p 5p		5a	W
		T	3.30p 5p	5p	5a	T
		F	3.30p 5p		5a	F
		S	5p		5a	S

—	—	—	MARYBOROUGH			PORT ALMA	SOUTH MOLLE ISLAND	THURSDAY ISLAND	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	7.20p						S
		M	7.15a	1.30p	7.05p			6.30p	M
		T	7.15a	3.40p	7.20p			3.30p	T
		W	7.20a	1.30p	7.05p	Nil	Nil		W
		T	9a	3.40p	7.20p			11a	T
		F	7.20a	1.30p	7.05p			9.30a	F
		S	7.15a	12.45p					S
	READY FOR COLLECTION		30 minutes after arrival. Mail arriving Sunday evening not available until 4.15a Mon.					90 minutes after arrival Mon., Thus., Fri. 1 hour after arrival Tues.	
	BY SURFACE AT POST OFFICE	S					4p		S
		M	4.30a	5a	3.45p	4.45p	6p	*Note:* No regular services.	M
		T	4.30a	5a			4p	Mails are carried by sea	T
		W	4.30a	5a	3.45p	4.45p	6p	according to availability	W
		T	4.30a	5a			6p	of shipping. Average	T
		F	4.30a	5a	3.45p	4.45p	4p	three times weekly.	F
		S	4.30a	5a			6p		S

	READY FOR COLLECTION		30 minutes after arrival			15 minutes after arrival	30 minutes after arrival		
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S					1p		S
		M	9.15a	4.10p				5p	M
		T	9.15a	3.30p			9a	12 noon	T
		W	9.15a	3.45p		Nil		5p	W
		T	7.30a	3.30p					T
		F	9.15a	3.45p	6p		1p	7.30a	F
		S	9.15a	1.30p					S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S					9p		S
		M	9.15a	6p		3.30p	9p		M
		T	9.15a	6p			9p		T
		W	6p			3.30p	9p	*Note:* No regular services.	W
		T	9.15a	6p			9p	Average three times weekly.	T
		F	6p			3.30p	9p		F
		S	9.15a	1.30p			9p		S

—	—	—	TOWNSVILLE	URANGAN	WEIPA	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	6.30a			S
		M	5a 12.10p 3.30p 7.45p		4.40p	M
		T	7a 12.10p 3p 7.45p		2p	T
		W	7a 3p 3.20p 7.45p	Nil		W
		T	7a 12.10p 3p 7.45p		9a	T
		F	7a 3p 7.45p		9a	F
		S	7a 12.30p		10.30a	S
	READY FOR COLLECTION		1–2½ hours after arrival		After arrival: Mon. .. .. 20 minutes Tues., Sat. .. 30 minutes Thurs., Fri. .. 1 hour	
	BY SURFACE AT POST OFFICE	S	6.30a		No regular services. Mails by sea	S
		M		9.30a	according to availability of	M
		T	6.30a	9.30a	shipping. At present, surface	T
		W	6.30a	9.30a	mails are being carried by	W
		T	6.30a	9.30a	Comalco aircraft between Cairns	T
		F	9.30a	9.30a	and Weipa M–F usually arriving	F
		S	6.30a	9.30a	at Weipa not later than 4p	S
DEPARTURES	READY FOR COLLECTION		Tuesday–Saturday 3 hours after arrival. Sunday 3½ hours after arrival	10 minutes after arrival		
	BY AIR MAIL CLOSES AT POST OFFICE	S	6.30a 11.30a			S
		M	6.30a 1p		5p	M
		T	6.30a 12.30p		12.45p	T
		W	6.30a 12.30p	Nil	4p	W
		T	6.30a 12.30p		5p	T
		F	6.30a 12.30p		4p	F
		S	6.30a 12 noon			S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S	9.30a			S
		M	7.30p	9.15a 4p	*See* remarks for 'Arrivals'.	M
		T	7.30p	9.15a 4p	Mails usually close at 5p	T
		W	7.30p	9.15a 4p	previous day	W
		T	7.30p	9.15a 4p		T
		F	7.30p	9.15a 4p		F
		S		10.50a		S

South Australia

—	—	—	PORT AUGUSTA	PORT LINCOLN	PORT PIRIE	WHYALLA	DARWIN	—
ARRIVALS	*BY AIR* AT POST OFFICE	S					7.15p (Expt. S.A., W.A.) 10.30p (S.A., W.A.)	S
		M		8.30a 5.20p	10.10a 4.45p	9.30a 1.45p 4.45p	7.15p (Expt. S.A., W.A.) 9p (S.A., W.A.)	M
		T		9.30a 5.20p		1.15p	7.15p (Expt. S.A., W.A.) 10.30p (S.A.) 12.50p (W.A.)	T
		W		9.30a 5.20p	9.20a 4.55p	9.30a 4.45p	5.30p (Expt. W.A.)	W
		T		9.30a 5.20p		9a 4.45p	7.15p (Expt. S.A., W.A.) 9p (S.A.) 12.50p (W.A.)	T
		F		9.30a 5.20p	3.45p 4.55p	1.45p 6.30p	7.15 (Expt. W.A.)	F
		S				9.30a	5p (Expt. W.A.) 1p (W.A.) 9p (S.A.)	S
	READY FOR COLLECTION			1½ hours a.m. and ¼ hour p.m. after arrival	Mon. ¾ hour; Wed. 1 hour; Fri. ¼ hour after arrival	1½–2 hours after arrival	Mail received after 5p Mon.–Fri. and 12 noon Sat. Available 9a following working day. Perth Mail Tu. Th. available 2 hours after arrival	
	BY SURFACE AT POST OFFICE	S			10.36p	11p		S
		M	6.35a 2.15p 6.20p	6a	9a 12.30p 10.36p	3.30p	5.10p	M
		T	2.30p 6.20p	6a	9a 12.30p 10.36p	1.10a 3.30p		T
		W	2.30p 6.20p	6a	9a 12.30p 10.36p	1.10a 3.30p		W
		T	2.15p	6a	9a 12.30p 10.36p	1.10a 3.30p		T
		F	6a 2.15p 6.20p	6a	9a 12.30p 10.36p	1.10a 3.30p	4p	F
		S	5a 1.30p	6a	9a 11.40a 10.36p	1.10a 2.30p		S

DEPARTURES	READY FOR COLLECTION		a.m. dispatch 9a. p.m. dispatch 4p. Except: 6.20p at 9a next day, 1.30p Sat. 9a Mon.	2½ hours after arrival	Last dispatch Su. Sat. 9a following day. Otherwise 30 minutes after arrival	a.m. dispatch 9a. p.m. dispatch 2 hours after arrival except Sun. 9a Mon.	9a following day	
	BY AIR MAIL CLOSES AT POST OFFICE	S				6.30p	12.15a (Expt. S.A., W.A.) 4a (S.A.)	S
		M		7a	8.40a 3.15p	8a 11.30a 3.15p	4a	M
		T		7.30a		11.30a	12.15a (Expt. S.A., W.A.) 5a (S.A.) 10a (W.A.)	T
		W		8a	7.50a 3.25p	8a 3.15p	5a (Expt. W.A.)	W
		T		8a		1p 3.15p	5a (Expt. W.A.) 10a (W.A.)	T
		F		7.30a	3.25p	12.15p 5.45p	1a (Expt. S.A., W.A.) 4a (W.A., S.A.)	F
		S		8a		8a	5a (Expt. S.A., W.A.) 10a (W.A.)	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S			4.30p		6.30a	S
		M	6.30a 10.30a	7a	8.30a 4.30p	5a 1p		M
		T	6.30a 10.30a	7a	8.30a 4.30p	5a 1p		T
		W	6.30a 1.30p	7a	8.30a 4.30p	5a 1p	6.30a	W
		T	6.30a 10.30a	7a	8.30a 4.30p	5a 1p		T
		F	6.30a 3p 8p	7a 5.30p	8.30a 4.30p	5a 1p		F
		S	10.30a 5.00p	5.30p	7.10a	4a 4p		S

—	—	—	ALBANY	BROOME	BUNBURY	CARNARVON	DERBY	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	9p	1.55p		10.25a	7.20a	S
		M		6.15a		10a	3.10p	M
		T	7.15p	5.30a		10a	6.35a	T
		W		12.40p		10.25a	6.35a 1.40p	W
		T	6.45p	5.30a		8.55a	6.35a	T
		F	9p	6a		6a 10.40p	7.10a	F
		S		6.15a		9a	7.20a	S
	READY FOR COLLECTION		9a following day	a.m. dispatches 9a. p.m. dispatches one hour after arrival except Sun. 9a Mon.		One hour after arrival except p.m. Fri. at 9a Sat. and Sun. 9a Mon.	a.m. dispatches 9a. p.m. dispatches two hours after arrival. Sun. dispatches 9a Mon.	
	BY SURFACE AT POST OFFICE	S						S
		M	7a 4.30p		7.15a 1p			M
		T	9a 6.55p		7.15a 1p	7a		T
		W	9a 4.30p	Depends on	7.15a 1p	7a	Depends on	W
		T	9a 6.45p	shipping	7.15a 1p	7a	shipping	T
		F	9a 4.30p		7.15a 1p	7a		F
		S	9a 6.55p		7.15a	7a		S

	READY FOR COLLECTION		9.35a Mon.–Sat.		a.m. dispatches 9a. p.m. dispatches one hour after arrival	9a Tu.–Sat.		
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S	4p	3p		12 noon	3a	S
		M		11a		4.30p	9a	M
		T	5p	3a		1.30p	2p	T
		W		2p		11a 3.30p	9a 1p	W
		T	4p	6a 3p		1p 5p	3a 1p	T
		F	5p	11a		8.30a 11.30a 4.30p	9a	F
		S		6a 12 noon		12 noon	3a 11.30a	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S	4.30p					S
		M	8a 5p		2p 5.30p			M
		T	8a 5p		2p 5.30p	11a		T
		W	8a 5p	Depends on	2p 5.30p			W
		T	8a 5p	shipping	2p 5.30p			T
		F	5p		2p 5.30p	11a		F
		S	8a		12.30p		11a	S

WESTERN AUSTRALIA—*continued*

—	—	—	GERALDTON	ONSLOW	PORT HEDLAND	WYNDHAM	YAMPI	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	11.45a	12.45p	11.35a		3.10a	S
		M	8.15a	11.35a	3a 4.25a 5p		7.20a	M
		T	7.45a	12.40p 4p	11.20a	8.35a	6.35a	T
		W	8.45a		4.20a 11a	8.35a	6.35a 1.40p	W
		T	9.30a	11.15a	3a 2p 11.30p	8.35a	6a	T
		F	3.45a 8.15a 8.45p	8a	10.55a	9a	7.30a	F
		S	7.20a	11.25a	4.25a 2.20p	9.15a	7.30a	S
	READY FOR COLLECTION		One hour after arrival except a.m. Fri. at 9a. and p.m. Fri. 9a Sat.	One hour after arrival except Sun. 9a Mon.	One hour after arrival except: earliest a.m. 9a; 11.30p Th. 9a Fri.; Sun. 9a Mon.	One hour after arrival	Offloaded Derby p.m. 1½ hours after arrival; a.m. dispatches 9a except Sun. 9a Mon.	
	BY SURFACE AT POST OFFICE	S						S
		M	8a					M
		T	6a					T
		W	7.30a	Depends on	Depends on	Depends on	Depends on	W
		T	6a	shipping	shipping	shipping	shipping	T
		F	7.30a					F
		S	6a					S
DEPARTURES	READY FOR COLLECTION		9a Mon.–Sat.					
	BY AIR MAIL CLOSES AT POST OFFICE	S	10a 12.30p	11a	6a 1p			S
		M	1.30p 5p	3p	1p		5p	M
		T	3.30p	12 noon	10a 1p 5p	12.30p	5p	T
		W	7a 1.30p 5p	2p	9a 12 noon 3.30p	7a	5p	W
		T	1.30p 3p 5p	11a	6a 1p	12 noon	5p	T
		F	9.30a 1.30p 5p	2p	4a 1p	7a	5p	F
		S	12 noon	9.30a	6a 12 noon	11.45a	11a 5p	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S						S
		M	4p					M
		T	4p					T
		W	4p	Depends on	Depends on	Depends on	Depends on	W
		T	4p	shipping	shipping	shipping	shipping	T
		F	4p					F
		S	12 noon					S

Tasmania

—	—	—	BURNIE	DEVONPORT	LAUNCESTON	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	7a		9p	S
		M	6.40a 12.30p	5.40a 1.30p	4.40a 10a 4p 9p	M
		T	6.40a 12.30p	5.40a 1.30p	4.40a 10a 4p 9p	T
		W	6.40a 12.30p	5.40a 1.30p	4.40a 10a 4p 9p	W
		T	6.40a 12.30p	5.40a 1.30p	4.40a 10a 4p 9p	T
		F	6.40a 12.30p	5.40a 1.30p	4.40a 10a 4p 9p	F
		S	6.40a	5.40a 1.30p	4.40a 10a 4p 9p	S
	READY FOR COLLECTION		One and a half hours after arrival	8a and 1.45p Mon.–Sat.	One hour after arrival except p.m. Sat. 9a Sun.	
	BY SURFACE AT POST OFFICE	S				S
		M	6.40a 7a 5.20p	5.40a 6a 3.50p	4p	M
		T	6.40a 7a 5.20p	5.40a 6a 3.50p	4p	T
		W	6.40a 7a 5.20p	5.40a 6a 3.50p	2p	W
		T	6.40a 7a 5.20p	5.40a 6a 3.50p	4p	T
		F	6.40a 7a 5.20p	5.40a 6a 3.50p	4p	F
		S	6.40a 7a 5.20p	5.40a 6a 3.50p	4p	S

DEPARTURES	READY FOR COLLECTION		One and a half hours after arrival except p.m. Sat. 8a Sun.	8a and 4.20p Mon.–Sat.	Two hours after arrival except Sat. 9a Sun.	
	BY AIR MAIL CLOSES AT POST OFFICE	S	9a		11a	S
		M	9.45a	10.45a	5.30a 9.30a 3p	M
		T	9.45a	10.45a	5.30a 9.30a 3p	T
		W	9.45a	10.45a	5.30a 9.30a 3p	W
		T	9.45a	10.45a	5.30a 9.30a 3p	T
		F	9.45a	10.45a	5.30a 9.30a 3p	F
		S	9.45a	10.45a	5.30a 9.30a 11a	S
	BY SURFACE MAIL CLOSES AT POST OFFICE	S	9a		11a	S
		M	6.30a 8.30a 1.45p 5.45p	8a 10.15a 3p 7.15p		M
		T	6.30a 8.30a 1.45p 5.45p	8a 10.15a 3p 7.15p	9a	T
		W	6.30a 8.30a 1.45p 5.45p	8a 10.15a 3p 7.15p	9.30a	W
		T	6.30a 8.30a 1.45p 5.45p	8a 10.15a 3p 7.15p	9a 7p	T
		F	6.30a 8.30a 1.45p 5.45p	8a 10.15a 3p 7.15p		F
		S	6.30a 8.30a	8a 10.15a 3p	9a	S

LOCAL STANDARD TIMES			AUCKLAND	WELLINGTON	LYTTLETON	DUNEDIN	BLUFF	TIMARU	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	3.45p 9p*	8p	8p				S
		M	3.45p	8p 9p*	5p	8.45p	11.30a	5a	M
		T	3.45p	8p	5p	11a 8.45p	11.30a	5a	T
		W	3.45p	8p	8p	11a	11.30a	5a	W
		T	3.45p 9p*	8p	8p		11.30a	5a	T
		F	3.45p	8p 9p*	5p	8.45p	11.30a	5a	F
		S	3.45p	8p	5p 8p*	11a	11.30a	5a	S
READY FOR COLLECTION			One hour after arrival * From Melbourne only	One hour after arrival	One hour after arrival	Three-quarters of an hour after arrival	Three-quarters of an hour after arrival	Mon.–Fri. 8.30a Sat. 10a	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICES	S		11a	11a	1.30p	2p		S
		M	5.30a		3p	3p	4p	12 noon	M
		T	5.30a	5.30a	3p	3p	4p	12 noon	T
		W	5.30a	5.30a	3p	3p	4p	12 noon	W
		T	5.30a	5.30a	3p	3p	4p	12 noon	T
		F	5.30a	5.30a	3p	3p	4p	12 noon	F
		S	5.30a 12 noon	5.30a	11a	10.30a	12 noon	1.35p	S

LOCAL STANDARD TIMES			NAPIER	NELSON	RUSSELL	GISBORNE	HAMILTON	—
ARRIVALS	*BY AIR* AT POST OFFICE	S		2p			6.15p	S
		M	10.10a	9.50a	10a	9.15a	10.10p	M
		T	10.10a	9.50a	10a	9.15a	10.10p	T
		W	10.10a	9.50a	10a	9.15a	10.10p	W
		T	10.10a	9.50a	10a	9.15a	10.10p	T
		F	10.10a	9.50a	10a	9.15a	10.10p	F
		S	10.10a	9.50a		9.15a	11a	S
READY FOR COLLECTION			Three-quarters of an hour after arrival	Three-quarters of an hour after arrival	Half an hour after arrival	Half an hour after arrival	Half an hour after arrival	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICES	S					6p	S
		M	4p	5p	7.30a	4.15p	11.45p	M
		T	4p	5p	7.30a	4.15p	11.45p	T
		W	4p	5p	7.30a	4.15p	11.45p	W
		T	4p	5p	7.30a	4.15p	11.45p	T
		F	4p	5p	7.30a	4.15p	11.45p	F
		S	11a 4p	12 noon	7.30a	4.15p	4p	S

LOCAL STANDARD TIMES			AITAPE	FINSCH-HAFEN	KAVIENG	KIETA	LAE	LOMBRUM	LORENGAU	—
ARRIVALS	*BY AIR* AT POST OFFICE	S					8a			S
		M		9a	8a	12 noon	8a	12.40p	1p	M
		T		11.15a	1p		8a	10.35a	10a	T
		W	3p			12 noon	8a	12.25p	12.45p	W
		T	9a	9.30a	8a		8a	10.35a	10a	T
		F	1p		8a 1p	12 noon	8a	10.35a	10.30a	F
		S		1.50p			8a		10a	S
READY FOR COLLECTION			Half an hour after arrival	Half an hour after arrival Mon., Thu.; 1.30p Tue.; Sat. 9a Mon.	One hour after arrival	Two hours after arrival	10a Sun., Mon.; 10.30a Tue. to Sat.	2p Mon., Wed.; 11.30a Tue., Thu., Fri.	3p Mon., Wed.; 1.30p Tue., Thu., Fri.; 12 noon Sat.	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S					8a			S
		M		9a	1.30p	8.30a	8a	9a	8a	M
		T	4p	10.45a	3.15p		8a		8a	T
		W	4p		3.45p	8.30a	8a	9a	10a 4p	W
		T		9a	1.30p 4p		8a		8a	T
		F	11.30a			8.30a	8a	9a	8a	F
		S		11.45a			8a		8a	S

LOCAL STANDARD TIMES			MADANG	PORT MORESBY	RABAUL	SAMARAI	SOHANO	VANIMO	WEWAK	—
ARRIVALS	*BY AIR* AT POST OFFICE	S			12 noon					S
		M	8a	7.30a	12.30p		10a	1.15p	1p	M
		T	1p	7.30a	12.20p	6p	12 noon		1p	T
		W	9a	7.30a	12.30p	6p	8a		1p	W
		T	1p	7.30a	12.20p			8.45a		T
		F	9a	7.30a	12.30p	6p	8a	1.45p	1p	F
		S	9a	7.30a	12.30p				1p	S
READY FOR COLLECTION			9.15a Mon.; 11.45a Wed., Fri., Sat.; 3p Tue., Thu.	10a Mon.–Sat.	2.30p daily	8.30a Wed., Thu., Sat. 8a	Two hours after arrival	Half an hour after arrival	Two hours after arrival	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S			4p					S
		M	4.15p	9a	4p	3.30p	9.15a	12 noon	3.15p	M
		T	4.15p	9a	4p		3.45p		3.15p	T
		W	4.15p	9a	10a 4p	7.30a	8.15a 11.45a		11.15a	W
		T	4.15p	9a	4p	3.30p		10.30a	3.15p	T
		F	4.15p	9a	4p		11.45a	1.30p	3.15p	F
		S	12 noon	9a 12 noon	4p				11.30a	S

Malaysia

LOCAL STANDARD TIMES			SINGAPORE APSO	KUCHING	JESSELTON	SANDAKAN	LABUAN	TAWAU	PENANG (via Singapore)			—
ARRIVALS	*BY AIR* AT POST OFFICE	S	8.50p	11a	11a	4p	6p	3.30p	10.45a			S
		M	7p	11a	2.30p	4p	6p	3.30p	11a	7.15p		M
		T	5.30p	11a	2.30p	4p	6p	3.30p	11a	7.15p		T
		W	7.20p	11a	2.30p	4p	6p	3.30p	11a	7.15p		W
		T	8p	11a	2.30p	4p	6p	3.30p	11a	7.15p		T
		F	7.45p	11a	2.30p	4p	6p	3.30p	11a	7.15p		F
		S	5.30p	11a	2.30p	4p	6p	3.30p	11a	7.15p		S
READY FOR COLLECTION			Half an hour after arrival	Two hours after arrival	Two hours after arrival	Two hours after arrival	One hour after arrival	One hour after arrival	One hour after arrival			
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S	6p	8.15a	4p	4.30p	3.30p	9.30a	2.45p	4.30p		S
		M	6p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	M
		T	3.30p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	T
		W	4.30p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	W
		T	3.30p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	T
		F	3.30p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	F
		S	4.30p	8.15a	12.30p	4.30p	3.30p	9.30a	11.30a	2.45p	7.15p	S

			Fiji		British Solomon Islands	New Hebrides	Western Samoa	
LOCAL STANDARD TIMES			SUVA	LAUTOKA	HONIARA	VILA	APIA	—
ARRIVALS	*BY AIR* AT POST OFFICE	S	8.45a					S
		M	8.45a	7a		1.30p	11.30a	M
		T	8.45a	7a	2.40p			T
		W	8.45a	7a				W
		T	8.45a	7a		1.30p		T
		F	8.45a	7a	2.40p		8.30p	F
		S	8.45a	7a		1p		S
READY FOR COLLECTION			One-quarter of an hour after arrival except Sun. 8a Mon.	One hour after arrival	Three-quarters of an hour after arrival	One hour after arrival	Mon. 1p; Fri. 9a Sat.	
DEPARTURES	*BY AIR* MAIL CLOSES AT POST OFFICE	S						S
		M	3.30p	4.30p			4p	M
		T	3.30p	4.30p	5.30p			T
		W	3.30p	4.30p		9a	4p	W
		T	3.30p	4.30p				T
		F			5.30p		9.30a 4p	F
		S	12 noon	11.30a		9a		S

LOCAL STANDARD TIMES			PAGO PAGO	COLOMBO GPO	*TRIN-COMALEE	CEBU CITY	MANILA	SUBIC BAY†	
ARRIVALS	*BY AIR* AT POST OFFICE	S	6a						S
		M	3a			4.35a 1p 6.15p	2.25p		M
		T		3.30a 1.30p		4.35a 1p 6.15p	1p		T
		W				4.35a 1p 6.15p	4p		W
		T		9p		4.35a 1p 6.15p	1.15p		T
		F	5p			4.35a 1p 6.15p	4p		F
		S		3.30a		4.35a 1p 6.15p			S
READY FOR COLLECTION			Sun. 9a Mon. 10a Fri. 9a Sat.	Wednesday, Saturday and Sunday (Time not known)		8.30a and 1.30p Monday–Saturday	Immediately upon arrival		
DESPATCHES	*BY AIR* MAIL CLOSES AT POST OFFICE	S							S
		M		2a		8a 4p			M
		T				8a 4p	4p		T
		W		2a		8a 4p			W
		T	4p	9a		8a 4p	4p		T
		F		2a		8a 4p	4p		F
		S	6p	10a		8a 4p	4p		S

* Mail is available at Trincomalee on same days as in Colombo (times of arrival at Trincomalee unknown). Mail must be posted two days ahead at Trincomalee to ensure inclusion in Columbo dispatches (closing times unknown).

† Mail for and from Subic Bay picked up and delivered at the Manila Post Office by United States Navy Personnel from Sangley Point, Cavite at 9 a.m. Monday to Friday and at 10 a.m. each Saturday.

(AS (NS) 68/201/22)

Navy Orders 63, 180, 240 and 278 of 1967 and 174 of 1969)

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ANO 182/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
30 April 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

13844/70

Section 2

PERSONNEL

UNCLASSIFIED

182—Vaccination and Immunisation

Introduction

1. The following order is subject to the provisions of RI Chapter 44, Section V, Articles 4475-4477.

2. Where requirements relating to civilians are given it is to be understood that these are included for guidance only.

3. Dependants of Naval personnel proceeding outside Australia at departmental expense may be medically examined, vaccinated, immunised, have a chest X-ray, a Mantoux test and if necessary BCG vaccination at a Naval Medical Establishment, and certificates issued.

4. If preferred these procedures may be carried out by a Commonwealth or Civilian Medical Practitioner, however, unless the prior written approval of either the Service or Commonwealth Medical Officer is obtained, an examination by a Civilian Medical Practitioner will not suffice.

5. The attention of accompanied married personnel is drawn to NPI 105/308 and NPI 105/309.

6. As it is not practicable to promulgate by navy orders the frequent changes in international regulations for air travel, travellers leaving Australia by air will be informed of their requirements in passage instructions issued by the Naval authorities sponsoring the flight.

RAN Certificates of Vaccination and Immunisation

RAN Personnel—International Certificates

7. In conformity with the regulations of the World Health Organisation, International Certificates are required when travelling by air and may be required by personnel travelling overland or by sea in other than HMA ships. They require stamping with the approved stamp authorised for vaccinations performed by Medical Officers of the Defence Forces acting in their official capacity and the use of this stamp is to be confined to this purpose. Vaccination Certificates are to be signed by a Medical Officer only, never by Sick Berth Staff or other unqualified persons. The correct type of International Certificate is to be used as any other type will not receive international recognition and may cause difficulty between the traveller and foreign officials. A new form of International Certificate was introduced by the World Health Organisation on 1 January 1967, and all subsequent issues are to be of the new pattern.

8. As from 1 January 1967, International Certificates of Vaccination against smallpox must conform with the new format adopted by the World Health Organisation. In this new format there is an addition that the vaccination or re-vaccination has been performed 'with a freeze dried or liquid vaccine certified to fulfil the recommended requirements of the World Health Organisation'. In addition, space on the certificate has been reserved for the inclusion of the origin and batch number of smallpox vaccine. These requirements must now be met for international travel.

9. The smallpox vaccine produced by the Commonwealth Serum Laboratories has been officially recognised by the Department of Health as fulfilling the recommended requirements of the World Health Organisation.

10. For the purposes of Quarantine Clearances Certificates which have been issued prior to 1 January 1967, and which are satisfactory in all other respects will continue to be valid for the period for which they were previously valid, although these new amendments may not appear on the certificates. That is to say, certificates issued prior to 1 January 1967, and in the old format, will be acceptable for the usual period of validity.

11. For vaccination or re-vaccination performed after 1 January 1967, the approved stamp may be applied only on certificates in the new format.

New Entry Personnel

12. All new entries are to be given an Internatioanl Certificate of Vaccination, signed and authenticated as provided for in Paragraph 7, on receiving their first routine vaccination or immunisation. They are to retain the certificate in their possession, and to present it for completion on each subsequent occasion of vaccination or re-vaccination. When the certificate is first issued, the recipient should be informed of his responsibility to take care of it, and warned that failure to produce it when required to do so may involve repetition of some or all of his previous vaccinations.

Serving Personnel

13. Serving personnel who have not already received an International Certificate are to be issued with one at the next opportunity. However, it is to be noted that entries relating to previous immunisations cannot be transferred from the records to an International Certificate unless the Medical Officer who originally performed the immunisation is available to sign the entry.

Replacement of Certificates When Full

14. When the number of spaces allotted to any particular form of vaccination are full, a new certificate is to be issued for subsequent entries, but the old certificate is to be retained as long as any of the entries in it remain valid under the regulations contained in this order. Entries are not to be transferred from the old certificate to the new, as World Health Organisation requirements are that each entry should be signed only by the Medical Officer who actually carried out the vaccination.

Replacement of Lost Certificates

15. An International Certificate which is lost, inadvertently destroyed, or damaged sufficiently to render the valid entries illegible, may be replaced by a new one; but entries are not to be re-created from other records such as vaccination registers or AF Med 4 (PM168), unless the Medical Officer who carried out each previous vaccination is available to sign the entry referring to it. Records of previous vaccinations on AF Med 4 (PM168) will be accepted, in lieu of International Certificate entries, for Service purposes only. If the new International Certificate is required for overseas travel, re-vaccination will be necessary according to destination and current International requirements.

16. Supplies of the International Certificates of Vaccination are to be obtained from the Medical and Dental Store Officer, Randwick. Dependants who elect to be immunised by a civilian practitioner, at their own expense, may procure their International Certificate in each capital city, through the office of the Department of Health in the State concerned.

Wives and Families of Naval Personnel, Naval Civilian Employees, Their Wives and Families

17. Individual International Certificates are to be completed for each vaccination for dependants proceeding outside Australia.

Counter-stamping and Counter-signing

18. All International Certificates issued by other than Service Medical Officers require to be counter-stamped and counter-signed at the Commonwealth Department of Health in the State concerned. As Yellow Fever Certificates are issued only by recognised centres they do not require such counter signature, *see* Paragraph 84.

Method of Dating

19. The dates on each certificate are to be recorded in the following sequence: Day, Month, Year, the month in letters, eg, 10 October 1970.

Corrections, Blotches on International Certificates

20. It is of paramount importance that blotches, corrections, etc, on International Certificates be avoided, as these blemishes may be regarded as forgeries by some foreign officials and may result in delay and inconvenience to travellers.

21. All vaccinations and immunisations are to be recorded on the medical envelope, AF Med 4 (PM168), as well as in the International Certificate, at the time of vaccination, using the method of dating laid down in Paragraph 19. Personnel being vaccinated are advised to request confirmation from the medical authority performing the vaccination that this has been done. A valid International Certificate of Vaccination is the only documentary evidence that will be accepted for internal service purposes if there is no entry on AF Med 4 (PM168).

22. All ships and establishments will, in addition, keep a register in which details of all vaccinations and immunisations will be entered. (Hitherto required for smallpox vaccination only.) If the Medical History Documents of the person vaccinated are not held at the time of vaccination, the details are to be transcribed on to the AF Med 4 (PM168) from the vaccination register at the first opportunity.

23. Strict adherence to the intervals between doses of TAB, TABT, TPT and cholera vaccine is to be observed whenever possible. Only in very exceptional circumstances are these intervals to be shortened; they may be increased slightly if necessary. To ensure continuity when sailors are posted before completion of a course of immunisation, RI Article 4475 must be complied with conscientiously.

Smallpox (Compulsory at all Locations)

24. All officers and sailors entering the Service are to be vaccinated, or re-vaccinated, using the technique set out below. Further re-vaccination of Active Service Personnel is to be carried out every three years, or more often if circumstances demand. Passengers to or through areas with a high incidence of smallpox should have been vaccinated within the preceding 12 months; such areas will be promulgated from time to time.

Method of Vaccination

25. The area to be vaccinated should be well cleansed with soap and water and must be thoroughly dry before the lymph is applied. Care should be taken not to rub the skin so vigorously as to damage the epidermis and thus encourage the development of secondary vesicle. Methylated spirit, alcohol or other agents should not be applied.

26. The capillary tube containing the vaccine lymph is broken at each end and the lymph shaken down to the broken end. If the end is now touched to the skin at the prepared site, a drop of lymph will be drawn out by capillary attraction; it must not be blown out by applying the lips to the other end of the tube. The lymph should cover an area of about ⅛ of an inch in diameter. If the capillary tube is broken into several short lengths, each containing lymph, two or more patients can be vaccinated

economically from a single tube. A flat-sided needle—straight Hagedorn—which should be of relatively large size, in good condition, sharp and sterile, is held parallel or tangential to the arm with the forefinger and middle finger above and the thumb below. The side of the needle point is then pressed firmly and rapidly into the drop for the required number of pressures (*see* below); the needle is lifted clear of the skin each time and the up and down motion is in a plane perpendicular to the skin. The needle point is not driven into the skin but at each pressure the elasticity of the skin pulls a little of the epidermis over the point of the needle so that the lymph is carried into the deeper epidermal layers. If the skin has not been unduly irritated by a preliminary cleansing procedure and the needle has been properly aligned, no pain or bleeding should occur. As soon as the pressures have been completed, the excess lymph should be wiped off with cotton wool. The immediate application of a dressing is unnecessary. At the stage of maximum reaction, however, a piece of sterile gauze may be placed over the lesion if considered desirable.

27. First vaccination after entry should be done by means of an insertion about ⅛ of an inch in diameter. If there is a definite scar of previous vaccination, 30 pressures are to be employed in making this insertion. If there is no evidence of previous vaccination, 10 pressures only need be employed.

28. Routine re-vaccination is to be done by an insertion with 30 pressures.

29. When re-vaccination is undertaken in the presence of an epidemic or undue prevalence of smallpox, there should be at least two separate areas of insertion with 30 pressures in each.

30. When primary vaccination is performed on infants, 30 pressures should be employed. The best age for vaccination in a thriving infant is from three to four months.

Assessment of Results

31. Accurate reading of the results of vaccination depends both on the period of time after insertion at which the maximum local reaction occurs and on the degree of reaction. Maximum reaction may occur at any time within 2-10 days after vaccination. Inspection should be carried out on the sixth day, to assess the result which is to be recorded as follows:

a. Where vesicle formation is absent, a second attempt is to be made. If a similar result is obtained, it is to be recorded as 'Reaction of Immunity' (RIV). Immunity is not to be regarded as a life-long categorisation, and such persons are to be re-vaccinated at the usual intervals. The terms 'Insusceptible to Vaccination' (ITV) and 'no reaction' are no longer to be used.

b. Where vesicle formation is present:

(1) Where vesicle formation is moderate and is judged to have reached or passed its maximum at the time of inspection (on the sixth day) it should be recorded as 'Accelerated Reaction (Vaccinoid)' (AR (V)).

(2) Where vesicle formation is more marked than in (1) and is still developing it should be recorded as 'Typical Primary Vaccina' (TPV).

(3) If in doubt whether the reaction has reached its maximum at the sixth day, a further inspection is to be made two days later.

In the International Certificate, the vaccination is recorded only as 'Successful' (AR (V) for TPV) or 'Unsuccessful' (RIV).

Contra-indications to Smallpox Vaccination

32. Vaccination of pregnant women should be avoided as far as possible, especially during the first three months, when it should be performed only in urgent circumstances. Persons suffering from extensive dermatitis or eczema in an active phase should not be vaccinated except when absolutely necessary and with the concurrence of a skin specialist.

Precautions With Regard to Simultaneous Use of Other Immunising Agents

33. If yellow fever immunisation is necessary, it should precede primary vaccination against smallpox, a period of four days intervening.

34. If circumstances demand that primary vaccination against smallpox be done first, there should be an interval of 21 days from the date of vaccination before the yellow fever immunisation is given.

35. When infants under the age of nine months are to be vaccinated against both yellow fever and smallpox, there should be an interval of 21 days between the two vaccinations, no matter which is performed first. Under no circumstances is the interval to be shortened.

36. Where there is evidence of previous successful vaccination against smallpox yellow fever immunisation and re-vaccination against smallpox may be carried out at the same session but if time permits yellow fever immunisation should always precede re-vaccination by at least four days.

37. Immunisation for other than yellow fever may be given at the same time as vaccination but in the other arm.

Storage of Vaccine Lymph

38. Lymph should be stored in the freezing chamber of a refrigerator, when it will keep for up to 12 months, provided it is not allowed at any time to thaw out. Between 0°-10° C it will keep only 14 days, and between 10°-20° C for no more than seven days. If no reaction is observed on primary vaccination, the lymph may be assumed to have lost its potency, and a second attempt should be made with fresh lymph of a new batch.

International Requirements

39. All Naval personnel and Naval civilian employees and their wives and families, require an International Certificate of Vaccination before leaving Australia.

Certificates

40. Certificates are valid for three years from the eighth day after a successful primary vaccination, or in the event of a re-vaccination, on the date of that re-vaccination. Certificates on the current form, issued up to 1 January 1966, will remain valid for the normal period. On re-vaccination after that date, however, a fresh certificate of the new pattern is to be issued. The old certificate should be retained until the validity of all other entries has expired—*see* Paragraph 14. It is to be noted that the new pattern of International Certificate will require the origin and batch number of the vaccine to be inserted, and it will be invalid without such records.

Age of Person Vaccinated

41. Three months and over; in face of special risk may be done at any age.

Typhoid Group of Fevers (Compulsory at all Locations)

42. All officers and sailors are to be immunised on entry against the enteric group of fevers, and re-immunised every three years up to the age of 35. Personnel over the age of 35 need not be re-immunised unless a Medical Officer considers that there

is a special risk. Nevertheless, a person over the age of 35 is not to be refused TAB immunisation if he requests it. Except as specified above, all officers and sailors are to be immunised before they join one of HMA ships or proceed outside Australia by any means.

43. The following preparations are to be used in the circumstances stated:

a. *Intradermal TABT (Typhoid paratyphoid and tetanus combined vaccine).* For the primary immunisation course on entry—three doses each of 0.1 ml *intradermally*, with intervals of 4-6 weeks between the first and second, 6-12 months between the second and third injections. This preparation should not be used for subsequent re-immunisations, unless typhoid and tetanus boosters are required at the same time. It is not suitable for children under 12, who should be immunised against typhoid with the *subcutaneous* vaccine as detailed below.

b. *Intradermal TAB vaccine.* For re-immunisation as required in Paragraphs 42 and 44 (when tetanus re-immunisation is not required at the same time); as a single intradermal injection of 0.1 ml.

c. *TAV vaccine BP (subcutaneous).* For primary immunisation and re-immunisation of dependants under 12 years of age. The following two-dose schedule is effective and offers a saving of time and trauma over the three-dose schedule given in the manufacturers leaflet:

Age	*1st Dose*	*2nd Dose*
Below 1 year	Immunisation not advised	
1-5 years	0.1 ml	0.25 ml
5-7 years	0.25 ml	0.25 ml
8-12 years	0.25 ml	0.5 ml

In all cases the interval between injections to be 21-28 days and in no circumstances less than 21 days. It is important that this preparation be injected *subcutaneously*.

44. On foreign stations, where enteric fevers are prevalent, a booster dose of 0.1 ml *intradermal* TAB or 0.5 ml *subcutaneous* TAB should be given to all persons on arrival, irrespective of their previous immunisation history. Re-immunisation should then be repeated annually while the subject remains in the endemic area.

45. The immunogenic properties of bacterial vaccine are best preserved at or just below 39° F (4° C) and such vaccines deteriorate in protective power when kept for long periods at or above 'room' temperatures. All bacterial vaccines should, when possible, be kept in a cool room or refrigerator but should not actually be frozen.

46. Intradermal TAB and TABT are to be given only by Medical Officers. A dangerous reaction could occur if either preparation is injected inadvertently into the subcutaneous or deeper tissues and care must be taken to avoid confusion between the intradermal and subcutaneous preparations of TAB. A tuberculin syringe is always to be used for intradermal injections. Similarly, care is to be taken not to inject the subcutaneous preparation of TAB intramuscularly or intravenously.

47. It is considered undesirable to exercise the injected arm unduly after immunisation with TAB.

International Requirement

48. No international requirement exists at present, but all Naval personnel and Naval civilian employees and their wives and families are to have TAB vaccinations carried out before leaving Australia.

Certificates

49. Certificates are valid immediately on completion of vaccination for a period of three years.

Tetanus (Compulsory at all Locations)

50. All officers and sailors are to be immunised on entry against tetanus using the combined intradermal TABT vaccine as detailed in Paragraph 43. Re-immunisation is required every five years, and is to consist of a *subcutaneous* injection of 0.5 ml of Tetanus Prophylactic Toxoid (TPT), unless typhoid re-immunisation is due at the same time, when an *intradermal* injection of 0.1 ml TABT may be used. For children under the age of 12 only the subcutaneous TPT should be given, 0.5 ml dose for all ages. Personnel of Dominion and foreign navies serving with the RAN, who have not already been immunised, should be encouraged voluntarily to undergo immunisation.

51. When injuries are sustained before completion of the primary immunisation course against tetanus, consideration may have to be given to the administration of Tetanus Anti-toxin, bearing in mind the danger of an anaphylactic reaction to horse-serum. Persons injured after completion of active immunisation should receive an immediate booster dose of 0.5 ml TPT subcutaneously. Allergic reaction to TPT is uncommon, but if it occurs the patient should be referred to a medical specialist for advice on de-sensitisation.

Warning. TPT is not at any time to be admixed with other prophylactic agents for administration and must only be injected subcutaneously.

International Requirement

52. No international requirement exists at present.

Certificates

53. Certificates are not required, but are valid for five years if given one month after the third injection of TPT.

54. All personnel are to be immunised as soon as possible after entry. Serving members are to be immunised with the sabin vaccine irrespective of whether they have previously received a course of Salk vaccine.

Primary Immunisation:

1st dose	0.2 ml
2nd dose	0.2 ml 8 weeks later

Method of Administration

55. There are two methods:

a. Using the calibrated dropper provided with the Vaccine 0.2 ml may be placed in a disposable paper cup and the cup half filled with DISTILLED or DEIONISED water before administration. The dose is then drunk by the individual; or

b. using the calibrated dropper provided with the Vaccine the 0.2 ml of the vaccine may be placed on a sugar cube. The dose is then eaten by the individual.

56. Paper cups are available on indent in the same way as other medical stores. The Catalogue Number is as shown below and should be quoted on demands:

6530-66-026-1158	Medicine cup, paper, disposable, graduated 5 ml to 30 ml in 5 ml graduations.

Re-immunisation (Booster)

57. This will not normally be a requirement except under epidemic or special risk conditions when a single oral dose of 0.2 ml will be given. Epidemic and special risk conditions will be declared when necessary.

Source of Supply of Vaccine

58. Is available on normal indent as:

6505-60-026-2823	POLIO VIRUS VACCINE, LIVE, ORAL Sabin type, trivalent	10 dose
6505-60-026-2824	POLIO VIRUS VACCINE, LIVE, ORAL, Sabin type, trivalent	100 dose

Precautions

59. Oral poliomyelitis vaccine is not to be given to the following:

a. persons suffering from an illness in which there may be failure of immunological response, eg, Leukaemia;

b. persons suffering from Neurological diseases or muscular dystrophies;

c. persons who are being treated with immunosuppressive agents, or who have been so treated within the previous month. Such agents include systemic corticosteroids, deep X-ray therapy. alkylating agents and cytotoxic drugs.

60. In the following instances the vaccine should be withheld until the person concerned has made a complete recovery:

a. persons with acute systemic infection;

b. persons with diarrhoea or a gastro-intestinal illness.

The Medical Officer should ensure that all personnel to be immunised are not suffering from these, or any other adverse conditions.

61. It may be found that some members have already been immunised by the SABIN vaccine before joining the Royal Australian Navy. If this claim is supported by documentary evidence such information may be entered on Table 7 of Form AF Med 4 (PM168) and any subsequent necessary completing dose given and recorded. Where documentary evidence is not available a written statement from a parent or guardian or by a member 18 years of age, or more, may be accepted.

International Requirements

62. There are no international requirements.

Certificates

63. Certificates are not normally required unless requested by the recipient. No entry should be made in the International Certificate.

Tuberculosis-Mantoux Testing and BCG Vaccination (Compulsory at all Locations)

64. All personnel as soon as practicable after entry, are to be skin-tested by the Mantoux test and non-reactors vaccinated with BCG (Bacillus Calmette Guerin) vaccine. Every effort is to be made to have this procedure completed before any officer or sailor joins a sea-going ship or proceeds outside Australia by any means. Dependants of Naval personnel proceeding outside Australia at departmental expense, are required to complete this procedure (and to have a chest X-ray) before embarkation.

65. Arrangements that have already been made with State Directors of Tuberculosis for testing and vaccination of new entries are to stand. In addition, however, it will be necessary for Naval Medical Officers to perform the procedure as convenient on serving members and on dependants proceeding outside Australia. BCG vaccine is available through the AMF on normal indent which must be counter-signed by a Medical Officer. It is a requirement before BCG vaccine can be issued that the Medical Officer who is to perform the procedure has had some training or experience in it. Medical Officers-in-Charge are to ensure that at least one Medical Officer under their command has the necessary experience, if necessary attending a State Chest Clinic for the purpose and that thereafter all other Medical Officers attend testing and vaccination sessions in order to obtain such experience.

66. Persons who are particularly likely to be exposed to infection, eg, medical and dental officers, nursing sisters, sick berth staff and dental attendants, should be priority tested and if negative, vaccinated as soon as possible after entry.

Recording of Test Results and Vaccinations

67. Records are to be made as follows:

a. If the initial Mantoux test is POSITIVE, an entry to that effect is to be made in Table 9 of the members AF Med 4 (PM168).

b. If the initial test is NEGATIVE, BCG vaccination should be carried out forthwith, and a record of the vaccination made in Table 7 of Form AF Med 4 (PM168).

c. After 6-8 weeks a second Matoux test is to be carried out on members vaccinated.

d. The result of the second test is then to be entered in Table 9 of Form AF Med 4 (PM168).

68. No other vaccination should have been given in the same arm within one month before BCG vaccination, nor should any be given in that arm less than two weeks afterwards, nor into the *other* arm (or elsewhere) within 24 hours after the Mantoux test or BCG vaccination.

International Requirements

69. None exists at present.

Certificates

70. No certificate is required, and no entry should be made in the International Certificate.

Cholera (Before Proceeding Outside Australia)

71. All personnel and dependants proceeding outside Australia at departmental expense (except when travelling directly to New Zealand) are to be immunised against cholera. Serving personnel posted to a sea-going ship should be immunised before joining, if the ship is programmed to leave Australian waters.

72. Cholera vaccine supplied for Service use comprises 8,000 million organisms per ml:

	1st Dose	*2nd Dose*
a. Adults (over 16)	0.5 ml	1.0 ml
b. Children (under 1 year, immunisation not advised):		
1-5 years	0.125 ml	0.25 ml
5-16 years	0.25 ml	0.5 ml

The intervals between doses should be 7-28 days. Booster doses, at six monthly intervals, are compulsory whilst serving outside Australia, and should be the same as the second dose.

73. When children are immunised simultaneously with cholera and TAB both vaccines may be mixed in the same syringe, to reduce the number of needle pricks.

74. The words 'Combined Cholera El Tor' and dosage given in mls are to be written in the approved stamp box prior to application of approved stamp and signature. Certificates are valid for a period of six months beginning six days after the first injection. After re-immunisation validity is reckoned from that date.

Plague

75. Protective immunisation against plague consists of a dose of 0.5 ml of plague vaccine followed by a dose of 1.0 ml after an interval of seven days. Re-immunisation is required every six months.

International Requirements

76. International requirements vary from time to time and will be promulgated as necessary. At present there is a requirement for all personnel proceeding to Vietnam.

Certificates

77. Certificates are valid for six months from the seventh day after the second vaccination. The interval between vaccinations is nine days. Vaccinations are to be recorded on Page 10 or 11 of the International Certificate.

Age of Person Vaccinated

78. Two years and over.

Typhus (Immunisation When Circumstances Demand)

79. Protective vaccination against typhus consists of three doses of 1.0 ml of typhus vaccine given at intervals of seven days. Renewed protection against typhus is required after one year.

International Requirement

80. Requirements will be promulgated by signal as necessary.

Certificates

81. Certificates are valid for one year from the seventh day after the last vaccination. Three vaccinations are required at intervals of seven days and are to be recorded on Page 10 or 11 on the International Certificate.

Age of Person Vaccinated

82. One year and over.

Yellow Fever (When Circumstances Demand)

83. Immunisation against yellow fever can only be given at authorised centres by the Commonwealth Medical Officer, Department of Health, of the State concerned, and by appointment only. As much notice as possible must be given this officer, who endeavours to vaccinate in groups of 10 if practicable. Stocks of yellow fever vaccine are not maintained in the RAN nor is the vaccine made in Australia.

Precautions With Regard to Simultaneous Use of Other Immunising Agents

84. a. Similar precautions as for smallpox, Paragraphs 33-36 apply.

b. Vaccination against diseases other than smallpox may be given at the same time but in the other arm.

Certificates

85. Yellow fever certificates are valid:

a. only if the vaccine and the method employed have been approved by the World Health Organisation;

b. from 10 days after the date of the vaccination (12 days if proceeding to Pakistan) except in the case of persons re-vaccinated within the period of validity of their previous International Certificate entry;

c. for six years from the date of the last immunisation up to 1 January 1966. On and after that date all certificates valid under the old regulations may have their validity extended to 10 years, by manuscript amendment to the rules printed at the foot of the Yellow Fever page. In the English section *delete* 'six' and *insert* 'ten'; and in the French section *delete* 'six' and *insert* 'dix'. All vaccinations and re-vaccinations carried out on and after the above date are to be recorded on a certificate of the new pattern, which will be valid for 10 years.

International Requirement

86. All Naval personnel and Naval civilian employees and the wives and families of both require an International Certificate of Vaccination against yellow fever before leaving Australia, when:

a. proceeding to West or East Africa by air;

b. proceeding to West or East Africa by sea, or in ships calling at any ports in those countries;

c. proceeding to or through the South American yellow fever endemic area by whatever route;

d. proceeding for service afloat on the South Atlantic Station;

e. proceeding through Pakistan if unvaccinated subject has been a yellow fever endemic zone within 12 days prior to arrival in Pakistan;

f. proceeding for service on the Arabian Seas and Persian Gulf Station (including those destined for shore establishments).

87. The exact limits of the yellow fever endemic areas in Africa and South America have been defined by the World Health Organisation and this information can be obtained from the Medical Director-General or from the authorities named in Paragraph 83.

Age of Person Vaccinated

88. No lower limit to the age of persons immunised, however:

a. No child under two months of age will be vaccinated against yellow fever except in circumstances of great urgency where the actual risk of incurring yellow fever is considered to be greater than that of incurring encephalitis, when considered in relation to both the likelihood of occurrence and the seriousness of the disease.

b. Vaccination of children aged two to six months will be avoided as far as possible.

c. While it is to be preferred that children between six and nine months of age should not be vaccinated against yellow fever, such vaccination may be carried out without serious risk if delay would impose hardship or grave inconvenience.

d. When infants under the age of nine months are to be vaccinated against both yellow fever and smallpox, there should be an interval of 21 days between the two vaccinations, no matter which is performed first. Under no circumstance is the interval to be shortened.

e. *Pregnancy*. Risks to the foetus from maternal viraemia consequent upon yellow fever vaccinations are now thought to parallel those due to such naturally occurring viraemias as rubella. Yellow fever vaccination of pregnant women is therefore regarded as most inadvisable and is only to be performed where urgent reasons exist and after the calculated risk involved has been explained to the women. Normally travel for such cases should be arranged by a route for which yellow fever vaccination is not an international requirement. Should a pregnant woman wish to take up residence in a yellow fever endemic area, these risks should be brought to her attention.

General

89. All instructions apply equally to:

a. all members of the RAN;

b. all members of the CNF and RANER entering for continuous full time service either voluntarily or on call up;

c. any civilians, Army and Air Force personnel under RAN control.

90. It is of the utmost importance that the foregoing measures be strictly complied with to ensure that no personnel proceed outside Australia without adequate protection against the infections referred to in this order. It is equally important that the immunisations required within Australia, smallpox, typhoid, tetanus, poliomyelitis and tuberculosis, should be maintained 'in date'. Ships and establishments are to carry out a quarterly survey and report in the Medical Officers Journal the numbers not yet fully immunised and the reasons therefor.

91. With the exception of yellow fever vaccine (*see* Paragraph 83) supplies of vaccines should be obtained from the Australian Military Forces in the usual way, ordering by the Commonwealth Serum Laboratory Catalogue. Quantities and sizes of containers ordered must be chosen to effect maximum economy and minimum wastage.

92. Navy orders 264 and 373 of 1967 are hereby cancelled.

(MDG 327/54/87)

(Navy Orders 264 and 373 of 1967)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN.

RESTRICTED

ANOs 183-187/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
1 May 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

14022/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

183—Naval Emergency Reserve and Citizen Naval Forces—Sailors Posting Note

1. Notice of Reserve and CNF sailors posted for training or annual Naval service is given in the Annex to the Weekly List of Sailors Postings prepared by the Director of Naval Reserves. Sailors posted to fill a vacancy in the establishment of the PNF will be shown in the PNF section.

2. It is usual to inform RANER sailors of their posting for annual Naval service up to three months in advance of the date of posting, but unless special circumstances dictate, they will not be shown on Posting Lists until about four weeks before they are expected to report for service. In this way, it is hoped to keep amendments to a minimum.

3. The Reserve Posting List will be in the following form:

Personal Number	*Name*	*Rank*	*Effective Date*	*Ship From*	*Ship To*	*No of Days*	*Remarks*

Examples

a. H38347	SMITH J. B.	LSQMG	1.3.70	SHORE	ANZAC	13 days	

Explanation

This sailor is a member of the RANER (Personal Number Prefix 'H'). He will join HMAS ANZAC on 1 March 1970 for 13 days Naval service. The Director of Naval Reserves will provide joining instructions and travel warrants.

Personal Number	*Name*	*Rank*	*Effective Date*	*Ship From*	*Ship To*	*No of Days*	*Remarks*
b. A100427	JONES L. M.	ORDWTR	1.3.70	WATSON	SYDNEY	13 days	

Explanation

This sailor is a member of the RANR (Personal Number Prefix 'A'). His Reserve Training Establishment is HMAS WATSON. He will join HMAS SYDNEY for 13 days training on 1 March 1970. HMAS WATSON provides joining instructions and travel warrants.

4. The following instructions regarding payment and discharge procedure are to be followed:

a. *Pay.* Unless otherwise informed, payment is to be made to RANER sailors at the 'on promotion' rate on the last day of service. Marriage, hard lying and diving allowances are to be paid where applicable. Good Conduct Badge and Incremental pay is not to be paid. Income Tax is not to be charged. Payment to RANR sailors will continue to be made in accordance with Naval Reserve Regulations and Instructions.

b. *Travel and Discharge.* Travel warrants and joining instructions will be issued by the Director of Naval Reserves to members of the RANER posted for normal annual service and by the Reserve Training Establishments for RANR sailors. It is important to ensure that reserve personnel

borne for annual Naval service or training are not discharged before the last day of service. Those required to travel long distances may be discharged on the last day as necessary to meet travel arrangements. Other sailors are not to be discharged before noon on that day. Failure to complete the full 13 days service may result in the member forfeiting his annual bounty or efficiency grant. To obviate losing time on commencement of courses and to economise on travel, all routine RANR and certain RANER postings will be made to commence on a Sunday.

c. *Reports*

RANER—Form PP103 (Duplicate), PH104 and a certified copy of Form FA119 is to be forwarded to the Director of Naval Reserves as early as practicable after completion of training.

RANR—Form PP103 and Form PB121 to the Reserve Training Establishments as soon as practicable after completion of training.

d. *Uniform.* As soon as convenient after joining, RANER sailors uniform kits are to be inspected and checked against a copy of the relevant Form SA279 or SA111 which will be forwarded by the Director of Victualling and which may be destroyed after use. Issue and/or replacements may be made, in accordance with current instructions, on Forms SA207 which are not to include details of issues to other than Reserve and CNF sailors. Issues are not to be made to RANR sailors unless authorised by the appropriate Reserve Training Establishment or the Director of Naval Reserves.

e. *Medical.* Medical history documents of RANER sailors are held by the Medical Director-General (*see* ABR 1991, Article 0308 (3)), and those of RANR personnel by their Reserve Training Establishments. These documents if received during training are to be returned to the appropriate authority as soon as the sailor is discharged from training.

If a sailors medical fitness is in doubt he is to be discharged to shore immediately, Navy Office being informed by signal.

An RANER sailor found to be medically unfit for immediate service is to be informed that he is responsible for restoring himself to the required standard and for providing the Director of Naval Reserves, within one month, with a doctors certificate to the effect that any necessary treatment has been taken and that he is now medically fit.

Medical treatment and urgent dental treatment may be provided for members during Naval service.

f. *Certificate of Service.* Sailors are to bring their Certificates of Service on reporting for service. In the case of RANER sailors page 2 only is to be be completed and the Certificate returned to the sailor. Next-of-kin details are to be checked and updated. For RANR sailors, page 4 only is to be completed and the Certificate returned to the Reserve Training Establishment.

5. Navy Orders 13 and 496 of 1967 are hereby cancelled.

(DRNP 338/8/279)

(*Navy Orders 13 and 496 of 1967*)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

184—Solatron Helicopter and Blind Pilotage Trainer

1. The Solatron Helicopter and Blind Pilotage Trainer is installed at the ND School, HMAS WATSON, and is available for use by the Fleet for continuation training when not required for programmed courses.

Description

2. The trainer consists of two 'ship' operations room models, each of which is provided with a realistic HDWS radar picture capable of displaying a coastline, and a maximum of four controllable targets. Three of the targets can be selected to represent surface vessels, helicopters or fixed wing aircraft, and the fourth, either a surface vessel or submarine. Aircraft targets have a speed range of 0-300 knots, and ships/submarines 0-30 knots.

Uses

3. The equipment is most suitable for practicing ASW Aircraft control, SAU procedures, and also ASW procedure.

4. Coastline areas covering:

a. the approaches to Port Jackson; and

b. Whitsunday Passage,

can be displayed to provide radar fixing and elementary blind pilotage training.

Manning

5. The control room is manned by the ND School staff, but ships requiring the use of the trainer should be prepared to man the models, as required for the particular exercises. The equipment in each model comprises:

Course and Speed Control Unit.

Pilotage Table.

JUA Display.

Chart Table.

Communications Desk.

6. Ships requiring the use of the Trainer are to apply to the Captain, HMAS WATSON, and for information to FOCAF, as early as possible before the required date.

7. Confidential Navy Order 12 of 1967 is hereby cancelled.

(D of T 311/4/262)

(*Confidential Navy Order 12 of 1967*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

185—Naval Stores General (Group Class 8010)—Interior Fire Retardant Paint—Semi-gloss, White and Black—Introduction

Navy Order 808 of 1969 is to be amended as follows:

Paragraph 2

Under 'Item Name' against each stock number *amend* words 'heat resisting' *to read* 'fire retardant'.

(DGNP 400/1/693)

(Navy Order 808 of 1969)

UNCLASSIFIED

186—Naval Stores—Group Class 4240—Breathing Apparatus Self-contained and Group Class 0432—Mask, Smoke for Damage Control in HMA Ships and Establishments—Revised Allowances

1. In future, masks, smoke, 0432/5665, should be used only for entering compartments, confined spaces, cold and cool rooms, etc, where the atmosphere is irrespirable. Breathing Apparatus Self-contained 4240-66-TSN-9510 or 4240-66-019-6357 should invariably be used for fire fighting purposes in preference to the masks, smoke.

2. Accordingly, allowances of the following breathing apparatus self-contained and masks, smoke have been revised and are shown at Annex A to this order:

Stock No	*Description*	*Acctg Class*
4240-66-TSN-9510	Breathing apparatus, self-contained type C880 (not to RAN SPEC SP784)	P
4240-66-019-6357	Breathing apparatus, self-contained type C2000 (RAN SPEC SP784)	P
0432/5665	Masks, smoke	P

Allowances to shore establishments which are located within 3 miles of a civilian Fire Station have not been included unless a requirement exists for training purposes or a particular risk is involved, such as at an Armament Depot.

3. Demands to complete to the revised allowances should be forwarded to the Superintending Naval Store Officer. Sets of the breathing apparatus self-contained and mask, smoke held surplus to the revised allowances should be returned to store as early as practicable for re-allocation.

4. Additionally, it is essential that any type C880 breathing apparatus held by HMA ships be replaced with type C2000. Establishments are to hold both types where required for training purposes, otherwise either type may be held.

5. Where necessary, allowances of 0281/L67167 lockers, damage control breathing apparatus and 0281/31331 lockers breathing apparatus smoke are to be adjusted.

6. Masks, smoke remaining on board each ship should be stowed in the vicinity of cold and cool rooms, machinery space accesses, etc. Spaces vacated by the resiting of the masks, smoke stowage lockers are to be utilised to stow self-contained breathing apparatus.

7. Allowances of maintenance spares applicable to the type C880 and C2000 or both are shown at Annex B. Holdings of these items particularly those applicable only to the type C880 apparatus and held by HMA ships are to be adjusted in accordance with the revised allowances for the parent equipment.

8. RAN Allowance list LE 41 will be amended.

Self-contained Breathing Apparatus Maintenance Instructions

9. It has been found that certain component parts of Damage Control sets, subsequent to issue and use by the Fleet and Shore Establishments, have been transposed between C2000 and C880 sets and also that other component parts have been interchanged between sets of like type. This practice could endanger the life of the operator and is prohibited with the exception that parts specified in Paragraph 15 may be interchanged between these equipments.

Interchange Between Unlike Sets (C2000 and C880)

10. The flat visor, ori-nasal, full face mask, as supplied with C2000 sets, is designed to prevent misting of the visor and reduce 'dead' air space, and thus this type is essential for safe diving practice. It is suitable also for surface operation.

11. The curved visor full face mask, as supplied with C880 sets, does not incorporate the inner (ori-nasal) mask and thus would be dangerous if used with the amphibious C2000 sets.

12. The demand regulator incorporated with the mask used with C2000 amphibious sets is a low pressure second stage valve, having a large orifice and large tilt valve. The high pressure breakdown occurs at the air tank connection, thus low pressure hose is fitted between this first stage reduced at the tank and the low pressure regulator. This regulator is not readily distinguished from that fitted to the C880 sets, although the threads of the hose and regulator fittings are different. It has been observed that attempts have been made to pack these fittings and this has resulted in the fittings being 'cross threaded'.

13. The demand regulator incorporated with the mask used with C880 sets is a high pressure single stage regulator. There is no breakdown of high pressure at the tank valve. The intermediary hose is a high pressure hose and therefore:

a. If a C880 high pressure regulator were transposed to a C2000 set very little air would be passed through the regulator and, if the unit were to be used underwater, the air supply would be cut out with obvious effects on the diver.

b. If a C2000 low pressure regulator was transposed to a C880 set, a blast of high pressure air would enter the low pressure hose possibly bursting the hose, or else the air would have an unrestricted passage through the low pressure regulator and blast the mask off the operators face.

14. High pressure gauges, as incorporated in both C2000 and C880 sets are interchangeable and, provided they are correctly fitted, do not constitute a hazard.

Interchange of Components Between Like Sets (C2000 to C2000 and C880 to C880)

15. Component parts that may be interchanged between sets are: Tanks with valves, masks, regulators, warning whistles, harness and back pack, high pressure gauges and manifolds. Transfer of components of these assemblies is to be carried out only by qualified personnel having the correct tooling and testing facilities.

16. It is essential that it be understood that the tank (high pressure cylinder) and tank valve are one component. They are not to be separated nor interchanged as any attempt to transfer could result in a fatal accident. When the high pressure cylinders are submitted to regulation hydrostatic test, the tank with valve is submitted to final test as a unit.

17. Navy Order 99 of 1968 is hereby cancelled.

ANNEX A

NBCD—Revised Allowances

A. Breathing Apparatus Self-contained—Group Class 4240

B. Mask, Smoke Group Class 0432

	SCBA	*Mask Smoke*
CVS	20	20
AP	20	20
AO	12	12
AD	9	7
DDG	9	4
Darings (DD)	6	4
Destroyers (DE)	6	4
Submarines (SS)	3	0
MSC and MHC	1	1
PTF	1	1
MORESBY (AGS)	5	4
DIAMANTINA (AGOR)	4	4
KIMBLA (AGOR)	2	3
PALUMA (AGSC)	1	1
BANKS, BASS (AG)	1	2
CULGOA (APL)	3	3
ESTABLISHMENTS		
ALBATROSS	6	4
CERBERUS	6	4
CRESWELL	2	1
HARMAN	2	2
HARMAN (for BELCONNEN)	2	2
LEEUWIN	4	7
ENCOUNTER	–	2
MELVILLE	2	2
COONAWARRA	2	2
MORETON	2	1
PENGUIN (for NBCD School)	4	3
WATERHEN	4	–
TARANGAU	4	2

ANNEX A—*continued*

	SCBA	*Mask Smoke*
ESTABLISHMENTS—*continued*		
PLATYPUS	2	–
PORT MORESBY	2	–
NIRIMBA (for NBCD Training)	2	1
RAN ARMAMENT DEPOTS		
KINGSWOOD	2	–
MARIBYRNONG	2	–
NEWINGTON	2	–
SPECTACLE IS	2	–
BYFORD	2	–
RAN TORPEDO ESTABLISHMENTS		
PITT WATER	2	–
SYDNEY	2	–
HMA DOCKYARDS		
GARDEN ISLAND	6	–
WILLIAMSTOWN	4	–

ANNEX B

Maintenance Spares for Breathing Apparatus, Self Contained Type-one Complete Outfit, Comprising the Following, is Provided for one (1) or more sets of the Breathing Apparatus held

Group Class	*Catalogue No*	*Description*	*Acct/ Class*	*D of Q*	*Qty*	*Applicability C880*	*C2000*
4240	66–019–6344	Mask, assembly, pt No C930/1 ..	P	No	1	*	—
4240	66–TSN–9501	Mask, assembly, pt No C930/2 ..	P	No	1	—	*
4240	66–019–6345	Regulator, pt No C900	P	No	1	*	—
4240	66–TSN–9500	Regulator, pt No C2090	P	No	1	—	*
4240	66–019–6346	Hose assembly, pt No C11954	P	No	1	*	*
4240	66–019–6347	Hose assembly, pt No C11953	P	No	1	*	—
4240	66–L91012	Hose assembly, pt No C100114 ..	P	No	1	—	*
4240	66–L91017	Hose assembly, pt No C100113 ..	P	No	1	—	*
4240	66–019–6348	Gauge assembly, pt No C950	P	No	1	*	*
4240	66–019–6349	'O' ring, pt No PP51/B8	C	No	4	*	*
4240	66–019–6350	Strap, pt No C10982	C	No	4	*	*
4240	66–019–6351	Fastener, pt No tenax 201	C	No	4	*	*
4240	66–019–6352	Fastener, pt No tenax 203	C	No	4	*	*
4240	66–019–6353	Grip ring pt No C10736	C	No	2	*	*
4240	66–019–6354	Head harness pt No C10756	C	No	1	*	*
4240	66–019–6356	Cylinder, air..	P	No	(A)	*	*

Note: HMA establishments are allowed one (1) spare cylinder, air, for each set of breathing apparatus held.

(DSAP 512/74/217)

(Navy Order 99 of 1968)

187—Small Arms for Vietnam Training—Scale of Allowances

Navy Order 572 of 1969 is to be amended as follows:

Paragraph 4 *note:*

delete 45

insert 62.

(DUR 1605/203/68)

(Navy Order 572 of 1969)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 188/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
7 May 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

S. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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14415/70

Established late 1964 – first orders early 1965 (advice from DNRC). (Rather a delay in promulgating it!)

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

188—Royal Australian Naval Emergency Reserve—Conditions of Service

1. The Royal Australian Naval Emergency Reserve (short title RANER) has been established to provide a readily available source of manpower which may be called out by the Governor-General for continuous full time Naval Service in time of war, in time of defence emergency or in a situation short of such conditions for the purpose of:

a. augmenting complements of ships of the fleet;

b. providing crews for additional operational units; and

c. manning essential base and support facilities.

2. This Force consists of former PNF and CNF personnel, already trained and who have been selected for specified tasks. Enlistment in the case of sailors, or transfer, in the case of officers, is restricted to volunteers who, because of previous training and qualifications, are able to fulfil these tasks at immediate notice.

3. This order covers the following:

A. Conditions of Transfer or Enlistment;

B. Eligibility;

C. Obligations;

D. Protection of Civil Employment;

E. Naval Service;

F. Medical;

G. Financial;

H. Discharge; and

I. Administrative Aspects.

Current obligations, conditions of enlistment, etc, in the Royal Australian Fleet Reserve remain unchanged.

A. Transfer or Enlistment

General

4. No former member of the PNF is compelled to serve in any part of the Reserve or Citizen Naval Forces. However, under the provisions of the Defence Forces Retirement Benefits Act, the pension or gratuity of a former member of the PNF may be reduced if, on discharge, he is asked to serve in a Reserve but declines to do so.

5. PNF officers on retirement who so elect, may be transferred to the RANER if vacancies exist in their rank and category. Supplementary List Aircrew Officers are not required at present.

6. Sailors eligible to enlist in the RANER will be asked by the Director of Naval Reserves if they wish to join when their enlistments into the RAFR are being processed in Navy Office. In all cases enlistment will be subject to vacancies existing in the various ranks and categories.

Applications for Transfer or Enlistment.

7. All applications for transfer to, or enlistment in, the RANER are to be referred to the Director of Naval Reserves and Naval Dockyard Police (DRNP), Navy Office, Canberra, A.C.T.

Period of Enlistment

8. The period of appointment or enlistment is five years. Applications for further periods of two years will be considered subject to service requirements and Naval Board approval. Applicants who, through age, are not eligible for the initial period of five years may be appointed/enlisted for the period between the date of appointment/enlistment and the retiring age providing the minimum time served is two years.

Rank on Transfer or Enlistment

9. The rank of an officer on transfer will be the substantive rank held in that section of the Naval Forces from which he transferred and with such seniority as the Naval Board determines. This will normally be the same as that previously held.

10. A sailor will be enlisted in the rank last held (whether acting or confirmed) in that part of the Naval Forces in which he formerly served.

Concurrent Service in the CNF and RANER

11. Concurrent service in the CNF and RANER is not permitted. However, a member of the Emergency List or RAFR who is accepted for service in the RANER and subsequently is discharged at his own request prior to the date on which he would have completed his period of service in that Reserve, may be requested to serve on the Emergency List or in the RAFR to complete the period.

Promotion

12. There are no avenues for promotion in the RANER except in the case of sailors who are carrying out continuous full time service in a PNF vacancy. Promotion rules in this situation are similar to members of the PNF and are promulgated separately, namely, Navy Order 788 of 1969.

Good Conduct or Good Service Badges

13. Members are entitled to wear those good conduct or good service badges awarded to them for previous RAN or RANR service which had been completed within five years of enlistment in the RANER. Service in the RANER does not count toward the award of good conduct badges.

Long Service and Good Conduct Medal

14. Members are entitled to wear long service and good conduct medals which had been awarded them for previous service in the RAN or Citizen Naval Forces. *See* Navy Order 780 of 1969.

B. Eligibility

15. Applicants who satisfy the following conditions may be transferred to or enlisted in the RANER:

a. *Previous Naval Service*

Must have had at least three years satisfactory service in either the PNF or CNF or another Commonwealth Navy and must have reached a standard of training and efficiency that would enable the applicant to fill a vacancy in the PNF.

b. *Age*

Must not have attained the age of 48 years, or officers holding the substantive rank of Captain, 53 years. The retiring age for officers and sailors is 50 years, except an officer holding the substantive rank of Captain, in which the retiring age will be 55 years.

c. *Medical*

Applicants are to be medically examined in accordance with the medical standards and examination practice prescribed for members of the PNF. This may be completed by a Commonwealth Medical Officer where a Naval Medical Officer is not available. The exceptions to this rule are as follows:

(1) applicants who have been discharged from the Permanent Naval Forces on non-medical grounds during the preceding six months; and

(2) applicants from the Citizen Naval Forces who have successfully completed a medical examination within the preceding six months.

C. Obligations

16. Members of the RANER have the following obligations:

a. *Call Out For Continuous Full Time Naval Service*

The Governor-General may, by notice in the Gazette, call out all or part of the RANER for continuous full time Naval service when he considers it desirable to do so.

b. *Annual Naval Service*

Members are required to complete 13 days continuous Naval Service annually, except during a year in which they complete at least 13 days full time service for other reasons.

c. *Training Year*

A 'training year' commences from the date of enlistment or transfer, and for each succeeding year on the anniversary of that date.

d. *Notification of Change of Address or Employment*

A member not employed on continuous service who changes his place of residence or place of employment is to notify the Director of Naval Reserves in writing of his new address or employment within seven days of such change.

e. *Travel Abroad*

Any member who intends to travel outside the Commonwealth of Australia is to apply in writing to the Director of Naval Reserves for leave of absence.

D. Protection of Civil Employment

17. Provision is made in the Defence (Re-establishment) Act to protect a member from adverse treatment by his employer because of his service obligation. The employer is required:

a. not to hinder or prevent a member joining or serving with the RANER;

b. not to penalise or prejudice him in his employment whether by reducing his wages or salary, or dismissing him;

c. to permit the member to take normal holidays at times other than when he is absent on Naval service, except if the member requests otherwise;

d. not to terminate the employment contracts of a member by reason of his absence on Naval service; and

e. to permit the member to resume his former employment should he so desire.

18. The Defence (Re-establishment) Act provides that periods of annual Naval service and periods of service while called out do not break the continuity of civilian employment for the purposes of calculating annual leave, sick leave, long service leave, superannuation or pension.

19. This Act also provides that the employer is not liable to pay the member during his absence on Naval service.

E. Naval Service

Annual Naval Service

20. The annual period of Naval service (*see* Paragraph 16b.) is to be used to maintain Naval trades and skills and to provide training in new techniques and equipments when this is considered necessary.

21. Service will normally be carried out in ships of the Fleet where members will perform 'on-the-job' tasks. Should refresher courses or specialised training be necessary these will be arranged by the Director of Training. To enable members to make the most of the limited time available, extraneous duties not directly concerned with their skills are kept to a minimum.

Additional Service

22. In addition to annual Naval service, members may volunteer for additional periods of service. Acceptance will depend on Service requirements.

Voluntary Continuous Full Time Naval Service

23. A member of the Royal Australian Naval Emergency Reserve Forces may, at any time, voluntarily undertake to render continuous full time Naval service. Acceptance will depend on PNF vacancies available at the time and the members medical fitness.

24. In the case of sailors, the initial period of full time service will normally be for either one or two years. Sailors may apply for extensions of full time service, which will be considered having regard to service requirements. (*See* Navy Order 788 of 1969.)

25. In the case of officers, the initial period varies according to the requirements of the Service, up to a maximum of four years.

26. If a voluntary undertaking by a member to render continuous full time service is accepted by the Naval Board, the member is bound to render the period of service for which he volunteered and was accepted.

27. Pay and allowances will be at the prescribed rates for rank and are subject to tax. Bounty will not be payable during continuous full time Naval service.

Part Time Naval Service

28. The Director of Naval Reserves may authorise a member to perform part time Naval service at Reserve Training Establishments (when this is certified necessary by the Captain of that establishment) for instructional, maintenance or administrative duty with the Royal Australian Naval Reserve. In such circumstances the following provisions apply:

a. payment, at on promotion rates, may be made up to a maximum of 162 hours in any RANR training year;

b. subject to the limitation contained in NRR & I Article 108 (3)(b), members may also complete and receive payment for a further 90 hours;

c. part time service cannot be counted towards the members annual service obligation.

Call Out for Continuous Full Time Naval Service

29. All or any specified part of the RANER may be called out for continuous full time service with the PNF by notice in the Gazette when the Governor-General considers it desirable to do so.

30. A member called out for continuous service is liable for service for a period not exceeding 12 months from the date of call out as directed by the Naval Board. However, in the event of a proclamation of war or defence emergency, a member remains bound to serve until released.

31. A member may be called out on any number of occasions, but after each period for which he serves while called out, he is not (except in time of war or time of defence emergency) liable to be again called out until a period has elapsed that is equal to the period for which he served while called out.

32. The Naval Board will be responsible for the posting of members of the Emergency Reserve under these circumstances and members may be posted to any ship or establishment.

Method of Call Out

33. Every effort will be made to give members as much notice of call out as possible; however, short notice may have to be accepted. General notification may be made by press, radio and television. Personal notification in writing will also be made.

34. The notice of call out will be deemed to have been served on the member if it is given to the member personally, or is sent to him by registered or certified mail, addressed to the last known address of the member. Under the Defence Act a member who fails to report within seven days of the date ordered is deemed to be a deserter and is liable to be tried and punished accordingly.

35. Members called out for continuous service are to report:

a. in uniform;

b. ready for duty; and

c. on the date and at the time and place designated in the notification of call out.

Arrangements for Annual Naval Service

36. Arrangements for members to undergo annual Naval service will be made by the Director of Naval Reserves.

37. During the year members will be informed of a time and place to report for Naval service; as much notice as possible will be given. Where necessary, travel warrants will be provided.

F. Medical

38. A member volunteering for continuous full time service is to be medically examined and Form AF Med 1 (PM149) completed, the card duplicate copy of which is to be immediately forwarded to the Medical Director-General. A medical examination reported on AF Med 1 (PM149) during the preceding six months is

acceptable and the examination need not be repeated. He is to be given the vaccinations and immunisations required by a member of PNF and, if held by him, his International Certificate of Vaccination (PM136) updated. Otherwise a new certificate is to be issued. A member reporting for annual Naval service is to be medically examined or inspected to ensure fitness for such service. Should a medical officer not be borne, however, a notation should be made on Form PP101 or PP103 (Report of Service Performed), eg, not medically examined—no medical officer borne. A medical examination is to be made every three years and recorded on Form AF Med 1 (PM149). If an examination has been made during the preceding two years then a medical inspection recorded on Form PM127 (AM209Z) is sufficient. The purpose of the inspection is to discover any illness of recent onset, particularly communicable disease, and to question the member as to any disability that may have arisen since his last period of Naval service.

39. If a members medical fitness is in doubt he is to be medically surveyed immediately, if this is possible, and the finding forwarded to Navy Office by signal.

40. A member requiring treatment to restore him to the required standard of fitness is to undergo remedial treatment at his own expense. He is responsible for providing, within one month, doctors or dentists certificates to the effect that the necessary treatment has been satisfactorily completed. If this is not done the member will be discharged from the RANER.

41. Medical treatment and urgent dental treatment may be provided for members during periods of Naval service.

Compensation for Injury or Illness

42. Injury or illness occurring during, or as a result of, Naval service will entitle the member to claim compensation under the Commonwealth Employees Compensation Act or such other comparable Act which may be applicable, eg, Repatriation Act.

G. Financial

Annual Bounty

43. Subject to the following paragraphs, a member of the RANER whose efficiency is satisfactory, and who completes his annual 13 consecutive days training obligation, may be eligible for payment of a bounty on each anniversary of his entry into the Force, at the following rates:

a.	After completion of one years service	$200
b.	After completion of two years service	$250
c.	After completion of three years service	$300
d.	After completion of four years service	$350
e.	After completion of each subsequent year of service	$350

44. A member who, for acceptable reasons (eg, sickness, hospitalisation, compassionate reasons) does not commence, or fails to complete the period of annual continuous training once commenced, may be permitted to undertake 13 consecutive days training on a second occasion in the same year in order to qualify for the annual bounty.

45. A member who has yet to complete his training obligations for his current years service and serves continuously for a period equal to, or exceeding, the uncompleted training is not required to undergo further training to qualify for the annual bounty.

46. A period for which a member is called out for, or voluntarily carried out, continuous full time duty may be counted as qualifying training but is to be excluded when assessing the amount of bounty payable. For this purpose, the bounty otherwise payable for that particular year of service is to be reduced on a pro-rata daily basis for the period of full time duty involved, eg, if a member performs three months full time duty his bounty is reduced by one quarter.

47. Where a members service in the RANER is terminated for medical reasons, or in the case of a married member, by death, and the medical disability or death is attributable to such service, the member will be regarded as having completed the particular year of service for bounty purposes, but the bounty may be reduced on the same basis as indicated in Paragraph 46 if he had performed any full time duty in that year.

48. Where a member:

a. re-enlists for full time service in the PNF; or

b. is discharged for medical reasons or in the case of a married member, dies, and such disability or death is not attributable to the members service and did not arise during a period of absence without leave of more than 21 days,

a bounty is payable calculated on a pro-rata basis for the service completed in that particular year.

49. The annual bounty is not payable for the year of a members service in which he is discharged for disciplinary or administrative reasons. *See* Paragraph 57.

50. Where a member is discharged at his own request there is no provision for the payment of a pro-rata bounty.

51. Where a member is granted leave of absence and proceeds overseas, he may, if he has completed his annual training obligation for that particular year, be paid a bounty on a pro-rata daily basis for that year, excluding the period for which he is on leave.

52. The following explanations are provided in respect of the preceding paragraphs:

a. A medical disability or death is 'attributable to service' if:

(1) the Commonwealth Employees' Compensation Act makes provision for the payment of compensation; or

(2) the Repatriation Act, the Repatriation (Far East Strategic Reserve) Act, or the Repatriation (Special Overseas Service) Act makes provision for the payment of a pension.

b. 'Married member' has the meaning as defined in regulation 4 of the Naval Financial Regulations.

Call Out Gratuity

53. A member of the RANER who commences to render continuous full time service, by reason of that Force having been called out under Section 32 of the Naval Defence Act, shall be paid a gratuity of $110 on each occasion of call out.

54. A member of the Emergency Reserve Forces who volunteers for full time continuous service of not less than 12 months or more is entitled to an annual gratuity of $100, in the case of officers, and $40 in the case of sailors and on a pro-rata basis for any incomplete year beyond 12 months.

Pay and Allowances

55. The following will apply in respect of pay and allowances with the exception of separation allowance. Pay and allowances at Sub-paragraphs a and d (1) below are payable through cash accounts of HMA ships:

a. *Pay*

A member is to be paid in accordance with the prescribed scale for his rank and category, namely 'on promotion' rates during periods of annual Naval service, and as if he were a member of the PNF during continuous full time service.

b. Uniform Allowance will not be paid as clothing is normally replaced at public expense. During periods of full time service of three months or more uniform allowance will be paid under PNF conditions, and kit will not be replaced gratuitously. (*See* Paragraph 80.)

c. Marriage and Separation Allowances are payable under normal Citizen Force conditions stated in NRR & I (relevant item attached at Annex B) during periods of annual Naval service, and as if he were a member of the PNF during continuous full time service. Payment of separation allowance will be arranged by the Director of Naval Reserves on receipt of Form PB105 (AS542) from the member, as indicated in Paragraph 63.

d. *Other Allowances*

(1) Those prescribed in NRR & I (relative item attached at Annex B) are payable to members of the RANER while carrying out annual Naval service. Diving pay is payable at the rates prescribed in NPI 117.

(2) Payment of Travelling Allowance will be arranged by the Director of Naval Reserves on receipt of Form PB105 (AS542) from the member, as indicated in Paragraph 63.

(3) Good conduct increments are not payable during annual Naval service.

(4) During periods of continuous full time Naval service all allowances are payable in accordance with NPI.

e. *Taxation*

No charges are to be made for taxation purposes during annual Naval service. During periods of continuous full time service taxation is to be charged under normal rules applicable to members of PNF.

H. Discharge

56. A member may resign or claim his discharge prior to the completion of an engagement by giving three months notice in writing to the Director of Naval Reserves. Discharge may not be claimed when:

a. called out for, or during, continuous Naval service in circumstances short of war or defence emergency;

b. called out for, or during, continuous Naval service when a time of war or defence emergency has been proclaimed; or

c. rendering full time Naval service in the PNF for an agreed period in accordance with Paragraphs 23 to 26.

57. Discharge may be effected for the following personal and administrative reasons:

a. *Medical Re-classification*

Medical re-classification to below the acceptable standard.

b. *Non-availability*

A change in domestic circumstances, employment, etc, which prevents a reservist rendering continuous full time Naval service when required.

c. *Failure to Render Efficient Service*

Any member who fails to maintain a satisfactory standard of efficiency commensurate with his rank during a period of Naval service may be discharged as unsuitable.

I. Administrative Aspects

Certificate of Service

58. A sailors Certificate of Service is retained by the member and on each occasion of reporting for service he is required to bring it with him. Page 2 only is to be completed and the certificate returned to the sailor on his last day of service. Next-of-kin details should be checked and updated and the duplicate copy of Form PP103 attached.

59. A member holding an International Certificate of Vaccination (PM136) should bring it with him for inspection by the Medical Officer.

Medical History Documents

60. Medical history documents are held by the Medical Director-General. *See* ABR 1991 Article 0308 (3). On completion of training these documents are to be returned to MDG.

Pay and Allowances

61. During periods of Naval service of 28 days or less payments in accordance with Naval Financial Regulations to officers and sailors are to be made through the cash account and vouchers are to quote as authority the relevant officers and sailors posting list, eg, WLSP dated.....

62. HMA ships and establishments are to make payment to a member of:

a. active pay at the 'on promotion' rate for his rank and category;

b. Marriage Allowance if eligible; and

c. other allowances as in Paragraphs 55 d (1),

only in respect of the actual number of days service in the ships or establishment.

63. Because entitlements to Separation Allowance is related to the actual number of days that the member is absent from his home, and this in turn depends upon the travel arrangements made in Navy Office, payment of this allowance, if appropriate, will be arranged by the Director of Naval Reserves together with any moneys due in respect of travel (including any additional pay entitlement) on receipt of Form PB105 (AS542) from the member. Payment to members whose intended period of service course or training will exceed 28 days is to be made through the pay accounts system in accordance with the provisions of Chapter 1, Section 5, of ABR 18 (Pay Accounting System Instructions for RAN).

Travel and Discharge

64. Travel warrants and joining instructions will be issued to members by the Director of Naval Reserves.

65. In cases where approval is given to a member to use private transport no risk will be accepted by the Commonwealth in respect of any damage to the vehicle being used for such purpose.

66. It is important to ensure that members borne for annual Naval service are not discharged before the last day of such service. Those required to travel long distances may be discharged on the last day as necessary to meet travel arrangements; other members should not be discharged before noon on that day.

67. Failure to complete the full 13 days service may result in a member forfeiting his annual bounty.

Reports

68. The following forms are to be forwarded to the Director of Naval Reserves as early as practicable on completion of annual Naval service:

a. PP103 (Report of training performed);

b. PH104 (next-of-kin report); and

c. FA119 (certified copy).

Removals and Married Quarters

69. Except when serving voluntarily for periods of 12 months or more, members of the RANER are not entitled to removals at public expense or to occupy married quarters.

Personal Numbers

70. Pay and personal numbers will be issued by the Director of Naval Reserves. Members will retain these numbers during their service in the RANER. Officers numbers will be prefixed by the letter 'S' and sailors by the letter 'H'.

Identity Cards

71. When issue of uniform kit is being made, a member is to be given a Naval Identity Card. This card is to be defaced with the letters 'RANER' written in red ink or biro diagonally across the card. A photograph is desirable but not essential.

Leave

72. During periods of continuous full time service in excess of one month members may be granted seasonal leave on the same scales as apply to the Permanent Naval Forces.

Uniform Kit

73. The authorised kits of members are listed in Annex A to this order as follows:

a. Scale 1—Officers;

b. Scale 2—Class I and III sailors;

c. Scale 3—Class II sailors.

74. Each scale is sub-divided into three sections as follows:

a. basic kit of members on transfer or enlistment;

b. additional items required for tropical wear. These items are only to be issued when considered necessary by the commanding officer;

c. additional items required for continuous service in excess of three months duration.

75. When officers and sailors are informed by the Director of Naval Reserves that applications for entry have been accepted the following instructions will be given:

a. Members living within reasonable distances of a Naval establishment (eg, 35 miles) are to contact the Supply Officer of that establishment as soon as possible in order to arrange a date for the issue or replacement of uniform kit. Details of uniform measurements are to be communicated at this time.

b. Members living in country areas are to carry out the procedure as in a. above, if this is practicable. Otherwise, the procedure in c. below is to be followed.

c. Members who have not been kitted up prior to the first period of annual Naval service will be posted, where possible, to an establishment where facilities exist for kit issues.

76. The initial issue of uniform is to be regulated as follows:

a. Officers transferring from, and sailors enlisting from the Permanent Naval Forces are expected to be in possession of the full authorised kit. Items of uniform kit are to be inspected when the member initially reports as in Paragraph 75 above. Subject to the discretion of the Captain that replacements were not necessary before the members transfer or enlistment, issues and/or replacements may be made. Such issues/replacements are to be restricted to the items included in the appropriate basic kit as in Paragraph 74a.

b. Members transferring or enlisting from the Royal Australian Naval Reserve should have items of kit verified from Form SA279 or SA280 (Clothing Issue Record). Issues and/or replacements may be made up to the level of the appropriate basic kit as in Paragraph 74a.

c. Members other than in a or b above may be issued with the basic kit as in Paragraph 74a.

77. When members report for the first period of annual Naval service additional items of authorised kit as in Paragraph 75b are to be issued or replaced when certified by the Captain as being required for wear during periods of service.

78. Additional items of kit in Paragraph 74c above are to be issued or replaced, if unserviceable, immediately prior to a member commencing service of more than three months duration.

79. Members commencing service of more than 13 days but less than three months duration may be issued with such additional items (not exceeding the quantities as in Paragraph 75c above) as are considered essential by the Captain. The period of such service, the duties on which the member will be employed and the locality in which he will serve are to be taken into consideration.

80. During periods of annual Naval service or continuous full time Naval service of up to three months duration, unserviceable clothing will be replaced at public expense. During periods of continuous full time Naval service of more than three months duration uniform allowance will be paid.

81. Initial issues in accordance with Paragraph 76 are to be recorded on Forms SA279 or SA280. The second copy of the relevant form is to be forwarded to the Director of Victualling at the end of the month during which the transaction occurred. In the case of members transferring from or enlisting from the Permanent Naval Forces the second copy is to show:

a. issues made to complete the kit to the basic scale; and

b. the details of serviceable items in the possession of the member.

In the case of members transferring from or enlisting from the Royal Australian Naval Reserve the Clothing Issue Record is to be attached to the second copy of the relevant form.

82. The completion of Form SA279 or SA280 is to be recorded on Page 1 of the Certificate of Service.

83. All subsequent issues and/or replacements are to be recorded on Forms SA207, copies of which are to be forwarded to the Director of Victualling in accordance with ABR 93, Article 3508 (2). Forms AS149 are not to include details of issues made to other than Reserve personnel.

84. When members are posted for annual Naval service the Director of Victualling will forward an up-to-date copy of the relevant Form SA279 or SA280 to the appropriate ship or establishment. Kits should be inspected, as convenient after joining, and checked against the copy of Form SA279 or SA280. This copy may be destroyed after use.

85. Members carrying out continuous full time Naval service of more than three months duration are to be issued with bedding and loan clothing in accordance with the provisions prescribed for the Permanent Naval Forces in ABR 93. In addition, such members are to be issued on temporary loan, with three in number sheets, two in number pillow cases and one in number kit bag.

86. Since members of the Emergency Reserve are not issued with kit bags as items of basic kit, it may be necessary, from time to time, to issue on tempoary loan such items when mobilisation exercises are carried out. At the same time three in number sheets and two in number pillow cases are to be issued on the same basis.

87. Navy Order 180 of 1969 is hereby cancelled.

ANNEX A

Uniform Kits

1. SCALE 1—OFFICERS

a. *Basic Kit on Transfer*

Badge, cap, officer	No 1
Boot, mans, black, light	Pr 1
Cap, service, peaked, detachable plastic top	No 1
Coat, mans, drill, white, officer (one with buttons)	No 2
Coat, mans, undress, officer, cloth, wool, serge No 2	No 1
Coat mans, undress, officer, cloth Barathea No 2	No 1
Collar, shirt, semi-stiff, fused or stiff	No 6
Cummerbund, mans	No 1
Necktie, black, daywear	No 1
Necktie, black, evening	No 1
Raincoat, mans, officer	No 1
Shirt, mans, action working	No 2
Shirt, mans, poplin, white, double cuff	No 2
Shoe, dress, canvas, white	Pr 1
Shoulder straps	Pr 1
Socks, mens, black	Pr 3
Socks, mens, white	Pr 3
Trousers, mens, action working	Pr 2
Trousers, mens, drill, white, officer	Pr 2
Trousers, mens, cloth, wool, serge No 2	Pr 1
Trousers, mens, cloth, wool, Barathea No 2	Pr 1
Shoulder flashes, AUSTRALIA	As necessary

ANNEX A—*continued*

b. *Additional Items for Tropical Wear*

Shirt, mens, white, tropical	No 2
Shorts, mens, white, tropical	Pr 2
Stockings, mens, white	Pr 2

c. *Additional Items Required for Continuous Full Time Service in Excess of Three Months*

Badge, cap, officer	No 1
Boot, mans, black, light, or / Shoes, dress, leather, black	Pr 1
Braces, mens	Pr 1
Brush, clothes	No 1
Brush, shoe, blacking	No 1
Brush, shoe, polishing	No 1
Cap, service, peaked, detachable plastic top	No 1
Collar, shirt, semi-stiff, fused or stiff	No 6
Comb, hair	No 1
Drawers, mens, poplin	Pr 2
Hairbrush	No 1
Necktie, black, daywear	No 1
Pyjamas, mens	Pr 2
Shirt, mans, poplin, white, double cuff	No 2
Toothbrush	No 1
Towel, bath, blue 48 inches × 24 inches	No 2
Undershirt, mans, cotton	No 3
Coverall, safety, industrial, white (only to Engineer, Shipwright and Electrical Officers)	No 2

2. SCALE 2—SAILOR I AND III

a. *Basic Kit on Enlistment*

Badges and shoulder flashes, AUSTRALIA	As necessary
Badge, cap	No 1
Bag, kit, small, blue, drill	No 1
Boot, mans, black, heavy	Pr 1
Cap, service, peaked, white, detachable plastic top	No 1
Coat, mans, cloth, wool, serge No 2	No 2
Collar, shirt, stiff or semi-stiff, fused	No 2
Necktie, black, polyester, daywear	No 1
Raincoat, mans, sailor	No 1
Shirt, mans, action working, cotton twill, blue	No 2
Shirt, mans, white, double cuff	No 2
Socks, mens, woollen, lightweight, black	Pr 2
Sweater, mans, blue, sleeveless, v-neck	No 1
Trousers, mens, action working	Pr 2
Trousers, mens, cloth, wood serge No 2, Class I and III	Pr 2
Type, metal, name	No 1

Note: Only one shirt, action working, and one pair trousers, action working, for Artisans, Air Maintenance sailors, Engine Room sailors, Electrical Branch sailors, Ordnance Artificers, Naval Shipwrights, Cooks, Sick Berth Attendants, Dental Mechanics and Dental Assistants.

ANNEX A—*continued*

b. *Additional Items for Sailors Indicated*

(1) Air Maintenance:

Cap, utility, blue, working	No 1
Coveralls, safety, industrial, blue	No 2
Shoe, mans, gymnasium, white	Pr 1

(2) Artisans, Electrical Branch, Ordnance Artificers, Naval Shipwrights and Dental Mechanics:

Coveralls, safety, industrial, blue	No 2

(3) Engine Room:

Boots, mans, black, heavy	Pr 1
Cap, utility, blue, working	No 1
Coveralls, safety, industrial, blue	No 2

(4) Cooks:

Boots, mans, cook	Pr 1
Shirt, cricket	No 2
Trousers, mens, drill, white, Class I and III	Pr 2

(5) Sick Berth Attendants and Dental Assistants:

Shirt, cricket	No 2
Trousers, mens, drill, white, Class I and III	Pr 2

c. *Additional Items for Tropical Wear*

Badges and shoulder flashes, AUSTRALIA	As necessary
Shirts, mans, white, tropical (one with button)	No 2
Shorts, mens, blue	Pr 2
Shorts, mens, tropical, white	Pr 2
Stockings, mens, blue	Pr 2
Stockings, mens, white (CPOs and confirmed POs only)	Pr 1
Shoes, dress, canvas, white (CPOs and confirmed POs only)	Pr 1

d. *Additional Items Required for Continuous Full Time Service in Excess of Three Months*

Badges and shoulder flashes, AUSTRALIA	As necessary
Badges, cap	No 1
Braces, mens	Pr 1
Boots, mans, black, light, or / Shoe, dress, leather, black	Pr 1
Brush, clothes	No 1
Brush, shoe, blacking	No 1
Brush, shoe, polishing	No 1
Cap, service, peaked, white, detachable plastic top	No 1
Coat, mans, drill, white (one with buttons)	No 2
Collar, shirt, stiff or semi-stiff, fused	No 8
Comb, hair	No 1
Drawers, mens, poplin	Pr 2
Hairbrush	No 1
Jacket, cloth, cotton twill, working dress	No 1
Necktie, black, daywear	No 1
Pyjamas, mens	Pr 2
Sewing kit, filled	No 1

ANNEX A—*continued*

Shirt, mans, action working	No 1
Shirt, mans, poplin, white	No 2
Socks, mens, black	Pr 1
Toothbrush	No 1
Towel, bath, blue, 48 inches × 24 inches	No 2
Trousers, mens, action working	Pr 1
Trousers, mens, drill, white	Pr 2
Undershirt, mans, cotton	No 3

3. SCALE 3—SAILORS, CLASS II CLOTHING

a. *Basic Kit on Enlistment*

Badges and shoulder flashes, AUSTRALIA	As necessary
Bag, kit, small, blue, drill	No 1
Boots, mans, black, heavy	Pr 1
Cap, service, white, Class II, plastic topped	No 1
Collar, seamans, blue	No 1
Flannel, cotton, mans	No 2
Jumper, mans, cloth, wool, serge No 1	No 2
Knife, clasp (seaman sailors only)	No 1
Lanyard, knife	No 2
Raincoat, mans, sailor	No 1
Ribbon, service, cap, metal thread, RANER	No 2
Scarf, neckwear, black	No 1
Shirt, mans, action working, cotton twill, blue	No 2
Socks, mens, woollen, lightweight, black	Pr 2
Sweater, mans, blue	No 1
Trousers, mans, action working	Pr 2
Trousers, mens, cloth, wool, serge No 1, Class II	Pr 2
Type, metal, name	No 1

Note: Only one shirt, action working, and one pair trousers, action working, for Air Maintenance, Engine Room sailors, Electrical Branch sailors, Ordnance Artificers, Naval Shipwrights, Cooks, Sick Berth Attendants, Dental Mechanics and Dental Assistants.

b. *Additional Items for Sailors Indicated*

(1) Air Maintenance:

Cap, utility, blue, working	No 1
Coveralls, safety, industrial, blue	No 2
Shoe, mans, gymnasium, white	Pr 1

(2) Artisans, Electrical Branch, Ordnance Artificers, Naval Shipwrights and Dental Mechanics:

Coveralls, safety, industrial, blue	No 2

(3) Cooks:

Boots, mans, cook	Pr 1
Trousers, mens, drill, white, Class I and III	Pr 2
Undershirt, mans, cotton, Style 1	No 2

ANNEX A—*continued*

(4) Engine Room:

Boot, mans, black, heavy	Pr 1
Cap, utility, blue, working	No 1
Coveralls, safety, industrial, blue	No 2

(5) Sick Berth Attendants and Dental Assistants:

Shirt, cricket	No 2
Trousers, mens, drill, white, Class I and III	Pr 2

c. *Additional Items for Tropical Wear*

Shorts, mens, blue	Pr 2
Shorts, mens, white, tropical	Pr 2
Stockings, mens, blue	Pr 2

d. *Additional Items Required for Continuous Full Time Service in Excess of Three Months*

Badges and shoulder flashes, AUSTRALIA	As necessary
Brush, clothes	No 1
Brush, shoe, blacking	No 1
Brush, shoe, polishing	No 1
Cap, service, white, Class II, plastic topped	No 1
Collar, seamans, blue	No 2
Comb, hair	No 1
Drawers, mens, poplin	Pr 2
Flannel, cotton, mans	No 2
Hairbrush	No 1
Jacket, cloth, cotton twill, working dress	No 1
Jumpers, mans, drill, white	No 2
Pyjamas, mens	Pr 2
Scarf, neckwear, black	No 1
Sewing kit, filled	No 1
Shirt, mans, action working	No 1
Shoes, dress, leather, black, or / Boot, mans, black	Pr 1
Socks, mens, black	Pr 1
Toothbrush	No 1
Towel, bath, blue	No 2
Trousers, mens, action working	Pr 1
Trousers, mens, drill, white	Pr 2
Undershirt, mans, cotton, Style 1 (Cook category only)	No 3

ANNEX B

Relevant Articles from Naval Reserve Regulations and Instructions

Article 242—Additions to Pay

1. A member of the Royal Australian Naval Reserve shall, during periods of training, courses or service be paid the following allowances where applicable to a corresponding member of the Permanent Naval Forces:

a. Command money;

b. Submarine pay;

c. Hard lying money;

d. Tropical allowances; and

e. Strategic Reserve Allowance.

Article 245—Marriage Allowance and Separation Allowance or Provision Allowance During Continuous Training, Courses or Service

1. Marriage allowance at the rate and subject to the conditions applicable to a member of the Permanent Naval Forces may be paid to a married member undergoing a period of continuous training, service or courses of not less than four days duration, except that no allotment is necessary unless a member is borne on a ships book for pay or is undergoing training or courses for a period exceeding 28 days. Marriage Allowance under this Article is only payable when training schools and courses are full time and continuous and involve absence from home over the period of such training school or course. Where a member is able to proceed home each evening during a course marriage allowance will not be payable.

2. Provision Allowance at the rate and subject to the conditions applicable to a member of the Permanent Naval Forces may be paid to a married member undergoing a period of continuous training, service or courses.

3. Separation Allowance shall only be payable to a member of the Citizen Naval Forces in respect of a period of continuous training where the period comprising the period of continuous training and the periods necessarily spent by the member in travelling from his usual place of residence to the place of continuous training and in returning from that place of continuous training to his usual place of residence, is not less than 10 days and includes not less than two Saturdays and two Sundays.

Article 246—Living Out or Living Out Away From Home Allowance

1. Except that the restriction relative to payment for periods under 72 hours shall not apply, living out allowance or living out away from home allowance as appropriate at the rate and subject to the conditions applicable to a member of the Permanent Naval Forces may be paid to a member undergoing a period of continuous training, service or courses where service accommodation cannot be provided.

2. Where a married member undergoes a period of training or a course, and is not entitled to marriage allowance in accordance with Article 245, he may, if service accommodation and/or victuals are not provided, be paid living out allowance at the rate applicable to an unmarried member.

(DRNP 302/51/57)

(*Navy Orders 180, 780 and 788 of 1969*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

ANOs 189-203/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
8 May 1970

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

14414/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

189—Transfer of Supply Division Records to EDP (NAVSTOK)—Radio and Electrical Stores

1. Paragraph 3 of Navy Order 26 of 1970 provides that demands for radio stores are, after conversion to EDP, to be made on the return store Leichhardt, management code 0337. However, office management of the Radio Store is still located at Potts Point.

2. All demands, receipted Issue Vouchers and other stores documentation associated with radio stores should continue to be forwarded to NSO (L), Dowling Street, Potts Point.

3. Correspondence concerning both radio and electrical stores should continue to be forwarded to SNSO, Sydney.

(DSAP 178/1/170)

(*Navy Order 26 of 1970*)

Section 2

PERSONNEL

UNCLASSIFIED

190—Allotments—Northern Life Assurance Co Ltd—The Provident Life Assurance Co Ltd

1. Advices have been received from Assurance Companies on the changes of name hereunder:

Northern Life Assurance Co Ltd
To: AMEV Life Assurance Co Ltd.

Provident Life Assurance Co Ltd
To: Phoenix Life Assurance Co of Aust Ltd.

2. Payments of allotments will be made in future under the new names of the Companies.

(DNA 68/51/101)

UNCLASSIFIED

191—Care of Hearing and Aural Standards for Naval Personnel

1. The Naval Board wish to draw attention to the great importance of protecting hearing by the use of aural protectors (ear defenders), against the many sources of high intensity noise which now exist in the Fleet and which can be injurious to health.

2. It is not possible to give an accurate scientific definition, covering every situation, of the degree of noise intensity which may involve danger.

3. It has therefore been decided that for the present a simple practical rule for determining a 'noise dangerous' position will be applied to all positions, whether enclosed or open, which may be affected by high intensity noise both afloat and ashore. This rule is as follows:

If the noise is such that spoken orders cannot be clearly heard when a distance of 2 feet separates the mouth of the speaker and the ear of the listener and the listener has his back to the speaker (that is, he cannot lip read) or when shouted orders cannot be heard at a distance of about 5 feet, then aural protectors should be worn by all in the vicinity.

4. In future inspections, the Captain is to produce for the Inspecting Officer a list of 'noise dangerous' positions in his ship. All personnel are to be instructed that aural protectors should be worn at these positions at all times when high intensity noise may be experienced.

5. The wearing of aural protectors need not prejudice communication; indeed, in certain circumstances in high noise levels, voice communication is actually improved by their use.

6. The following examples of potential 'noise dangerous' positions, which will vary in importance from ship to ship and on shore, are given for guidance in drawing up individual lists. These examples are by no means exhaustive and in cases of doubt Captains should seek advice from the Naval Board.

a. *In Aircraft Carriers When Operating Jet Aircraft*
   (1) Compass Platform.
   (2) Admirals Bridge.
   (3) Flying Control Positions.
   (4) Aircraft Control Room.
   (5) Flight deck close against island and catwalk opposite island, and the whole flight deck during aircraft launching operations.
   (6) Catapult Controls.
   (7) Chockmen.
   (8) Mirror Control Officers Positions.
   (9) Flight deck handlers ready room.
   (10) Gun direction platform.
   (11) Gun-deck on island.
   (12) Upper-hanger.

b. *Ships in General*
   (1) Upper deck of ships during the firing of guided missiles.
   (2) Positions close to:
   Guns and rocket launchers.
   Gas turbines.
   Modern high speed diesels.
   Boiler room and other high duty fans, or trunking orifices.
   Air compressors.
   Main and auxiliary machinery when at high power.
   Submarine engine rooms.
   Diesel generator rooms.
   (3) Dental surgeries equipped with air turbine dental units.

c. *Ashore*
   (1) Small arms ranges.
   (2) Air stations and aircraft yards, when close to aircraft engines at full power.
   (3) Dental surgeries equipped with air turbine dental units.

7. The current types of aural protectors, which however may be varied from time to time, are:

a. *Aural Protector, Sound, Plugs, Vocab 20010-2*

These plugs are included in the compulsory kits of all personnel and are available for issue to Reserve personnel who may be exposed to high intensity noise. The plugs are supplied in three sizes, large, medium and small and the individual fitting of each ear is to be carried out by a Medical Officer who should at the same time impress on the wearer the necessity for aural protection and that damage can be caused to the ears without pain being felt. It should also be explained that a simple and effective means of protection for short periods when aural protectors are not at hand is to place the fingers in the ears.

b. *Aural Protector, Sound, Muffs, Mark 3, Vocab 40025*
   (1) These 'dumb' protectors are maintained as an item of victualling stores for loan issue to personnel exposed to the higher noise fields where plugs would give inadequate protection, eg, close to jet aircraft (when capsules are not provided) and modern high speed diesels. When used by flight deck personnel, they are worn under a Mark 3 flight deck helmet.
   (2) These muffs are very fragile and require extreme care in handling to avoid fracturing the fluid cushions which seal the cups to the head. After return and before re-issue, they should receive a thorough washing in hot soapy water.
   (3) Scales of allowances for the muffs are shown in Section 5, Part II, of ABR 93—Manual of Victualling Stores.

8. Senior Medical Officers are to ensure that all medical officers are conversant with the correct methods of fitting current types of aural protectors.

9. All personnel are to be instructed that when working at the 'noise dangerous' positions referred to above and other similar positions that may be decided upon, aural protectors are to be worn at all such times. In the highest noise fields it may be desirable to wear both plugs and muffs simultaneously.

10. The wearing of cotton wool, either dry or greased, is not a satisfactory substitute for aural protectors and its use should be discouraged.

11. Cases of loss of hearing arising through neglect to wear proper hearing protection may prejudice a claim to a disablement award.

12. Attention is drawn to the issues of posters (LP136-LP138) for display in noise-hazardous working positions. These are available by demand on the Superintending Naval and Air Store Officer, Sydney.

Standards of Hearing

13. The maximum allowable decibel loss in the worst ear using Australian Standard Audiometers will be:

Standards on Entry	*500 CPS*	*1,000 CPS*	*2,000 CPS*	*4,000 CPS*
Standard I				
Seaman, Aircrew, Cadet	15	15	15	15
Midshipman, Junior Recruits ..	dbs.			
Standard II				
All other entries	25	25	25	40

14. Hearing standards ensure that candidates with inadequate hearing are not taken into the Service, and that personnel with evidence of susceptibility to loud noise are not employed in those branches in which there is an appreciable noise hazard.

15. Before acceptance all candidates attaining Standard II are to be referred to a naval ENT Specialist to exclude aural disease. If acceptable, these recruits may be taken into branches other than Seaman or Aircrew, but their hearing losses may be subject to further assessment by the Medical Director-General shortly after entry.

16. With regard to serving members, their hearing is under review every year as part of the Hearing Conservation Programme. Some change in members hearing is to be expected, but such change will be considered by the Medical Director-General, having regard to the degree and rate of change as well as to the individuals hearing ability and his branch.

Measurement of Auditory Acuity

17. Auditory acuity is to be measured on the following occasions:

a. All personnel at Recruiting Centres.

b. All personnel on entry at the initial training establishment.

c. At any time for any member as necessity demands.

d. Gunnery, aviation and submarine personnel, and all personnel constantly employed in 'noise dangerous' positions—to have follow-up tests annually.

e. Officers and men of the TAS Branch are to have their ears tested for discrimination (aural aptitude) as a preliminary to all courses for higher specialised rank. Aural acuity will not normally be retested except at the request of a TAS Officer. These tests should be carried out in a TAS Establishment which has the necessary equipment.

Recording of Auditory Acuity

18. The results of tests at the Recruiting Centres are to be recorded in Box 57 of Form AF Med 1 (PM149). The results of all other tests are to be recorded on Form PM103 in triplicate. The original is to be placed in the AF Med 4 (PM168) and the duplicate and triplicate copies forwarded to the Medical Director-General.

Hearing Conversation Programme

19. a. When a members hearing acuity falls below Standard II Form PM104 Hearing Conservation Programme Record is to be initiated, in the first instance only, by the Medical Officer of the ship or establishment and Form PM103 endorsed accordingly. Form PM104 together with the duplicate and triplicate copies of the current Form PM103 is to be forwarded to the Medical Director-General where the necessary action will be taken.

b. When it is considered necessary to refer a member to an ENT Specialist, Forms AF Med 7 (PM169/PM170) and PM103 are to be completed and forwarded to the Medical Director-General in the normal way.

Officers and Sailors of the TAS Branch

20. All TAS Officers and candidates for the UC specialist qualification should fulfil the following conditions:

a. *Acuity.* To be capable of operating a sonar set without noticeable loss of efficiency, due to poor hearing, and to the satisfaction of his Commanding Officer in consultation with the Senior Medical Officer.

b. *Discrimination.* Attain a pitch discrimination of 30 CPS either side of a basic note of 1,000 CPS:

(1) UW specialist qualification candidates are not required to conform with b above.

(2) A candidate who does not attain a pitch discrimination of ± 30 CPS on first testing, but who can attain a pitch discrimination of ± 40 CPS will not be disqualified in the first instance. Such candidates will be retested two weeks after commencing sonar operating and must then conform with the above standards.

21. It is important that the high standard of aural acuity and pitch discrimination of UC sailors is not impaired by the sailors being exposed to sudden noises or noises of high intensity. The damage caused by such noises may not be readily apparent to the men themselves even though it may considerably prejudice their efficiency as sonar operators. Tests have shown that there is a risk of temporary deafness being induced by exposure to the high noise levels which occur in engine rooms with diesels running. Care should therefore be taken that the 'listener' sailors are exposed to engine room noises for the minimum possible time, but in any case not longer than 10 minutes.

22. This does not preclude the requirement for UC sailors to undergo the annual small arms range course or for their employment as sentries or in landing-boarding parties, provided Commanding Officers ensure that the sailors themselves are aware of the importance of maintaining aural acuity and do in fact wear the aural protector earplugs issued to all personnel, whenever there is danger of exposure to high intensity noise levels.

Periodic Examination of the Ears

23. Officers and sailors of the TAS Branch are to have their ears examined by a Medical Officer every three months in order to discover and correct any irritation caused by the wearing of head-phones (especially in hot climates), disease, wax or any other condition which might reduce their aural efficiency. Personnel in ships not carrying a Medical Officer are to be sent to a ship or establishment where a Medical Officer is borne. It is the responsibility of the ships TAS Officer to ensure that these periodical examinations are carried out, and to this end the fact that they have been carried out is to be noted in Section 1 of the Torpedo and Anti-Submarine Log AS 304 (OT 100).

Provision of Audiometers

24. Audiometers are available in the following ships and establishments:

HMAS MELBOURNE
HMAS PENGUIN
HMAS KUTTABUL
HMAS WATSON
HMAS ALBATROSS
HMAS NIRIMBA
HMAS CERBERUS
HMAS LONSDALE
HMAS LEEUWIN
HMAS HUON
HMAS TARANGAU
HMAS SYDNEY
HMAS CRESWELL
HMAS MELVILLE
HMAS ENCOUNTER
HMAS MORTEON
HMAS STALWART
HMA Dockyard, Williamstown.

25. Navy Order 189 of 1967 is hereby cancelled.

(MDG 327/251/1)

(Navy Order 189 of 1967)

UNCLASSIFIED

192—Coxswain Category—Messing and Accommodation

1. As a result of the merger of the Coxswain/Regulating branches the Naval Board has given consideration to arrangements in HMA ships and establishments for the messing and accommodation of members of the new Coxswain category.

2. No strong reasons exist for these sailors to be segregated from sailors of other categories and the following policy for messing and accommodation has been adopted:

a. The Senior Sailor of the Coxswain category borne for Coxswains Duties is, wherever possible, to be provided with his own cabin but is to be victualled in and become a member of the mess appropriate to his rank.

b. All other members of the Coxswain category are to be messed and accommodated in the Mess appropriate to their rank.

3. There is no objection to Leading Coxswains being accommodated in a separate mess deck where space is available and the numbers borne so warrant. They should, however, take their meals with the remainder of the junior sailors and where appropriate make use of the junior sailors canteen.

4. In HMAS CERBERUS separate messes for Leading Coxswains and above may be maintained at the discretion of the Commanding Officer.

(DGM 303/22/54)

UNCLASSIFIED

193—Royal Naval Personnel Serving in Australia—Instructions for Administering the Tax Concession Scheme for Motor Cars

1. The Australian Government has agreed to afford to British Servicemen stationed in Australia the privilege either of importing a motor car free of import duties, or of buying an Australian built car free of sales tax. This concession may, at the discretion of the nominated officer mentioned at Paragraph 5, be extended to two cars.

2. The exemption of tax will not apply to replacement parts or accessories fitted after the car has been imported or purchased duty or tax free.

Effects of the Concession

3. A British Serviceman can obtain tax free concessions in any one of the following ways:

a. *Importing a Used Car:*

(1) Provided he has owned and actually used a motor car for at least six months prior to his departure for Australia, he will be allowed to import that car free of duty. Evidence of ownership, such as registration papers, will be needed to support this.

(2) He will be required to give an assurance that he will not dispose of the car in Australia within two years of importation. He may, however, within two years of importation with the prior approval of the nominated officer, transfer the car to another British Serviceman who is eligible for the concession and who has not previously availed himself of the concession. If the original owner disposes of the car more than two years after importation, he will not be liable for duty but he will not then be entitled to purchase an Australian built car free of sales tax to replace it.

(3) Provided that he still owns and uses the imported car, he may be permitted to purchase an Australian built car, free of sales tax, at the discretion of the nominated officer.

(4) Any car which is imported under this scheme and is damaged beyond repair as a result of an accident, may be liable for duty, but each case will be dealt with on its merits by the Collector of Customs.

(5) The procedure for importing a car under this scheme is explained at Paragraph 6.

b. *Importing a New Car:*

(1) He will be allowed to import a car temporarily free of duty, provided that the car is re-exported within three years of importation. In special cases approval may be given for this period to be extended.

(2) With the prior approval of the Collector of Customs he may sell the car within three years of importation. However, he will be liable for duty at the full rate which would have applied when the car was new and not at any lower rate assessed on the market value when he wishes to sell it.

(3) He may, however, within three years of importation, or an extended period as may be approved, and with the prior approval of the nominated officer, transfer the car to another British Serviceman who is eligible for the concession and who has not previously availed himself of the concession.

(4) Provided he still owns and uses the imported car he may be permitted to purchase an Australian built car free of sales tax, at the discretion of the nominated officer.

(5) Any car which is imported under this scheme and is damaged beyond repair as a result of an accident, may be liable for duty, but each case will be dealt with on its merits by the Collector of Customs.

(6) The procedure for importing a car under this scheme is explained at Paragraph 6.

c. *Buying an Australian Built Car:*

(1) He will be allowed to buy, free of sales tax, one Australian built car.

(2) He may dispose of the car in Australia on the open market without tax liability if the car has either 25,000 miles of use or is at least two two years old. If neither of these conditions are met when he wishes to sell the car, he will be liable for sales tax and must obtain prior approval from the Deputy Commissioner of Taxation through the nominated officer.

(3) Provided he still owns and uses the car he brought tax free, he may be permitted to purchase another Australian built car, free of tax, at the discretion of the nominated officer.

(4) Servicemen whose cars are bought under this scheme and are written off as the result of an accident will not be entitled to tax exemption in respect of replacement cars.

(5) The procedure for buying cars under this scheme is explained at Paragraph 7.

Eligibility for the Concession

4. All British Servicemen stationed in Australia, other than those afforded diplomatic status, will be eligible for the concession.

Administration

5. The concession is to be administered by nominated British officers. These officers are:

a. *RAF Support Unit*—The Commanding Officer and one other officer appointed by him for:

(1) All British Service personnel on the posted strength of the RAF Support Unit.

(2) All RAF Loan and Exchange personnel and all other RAF personnel, except BDLS, who are administered by the RAF Support Unit.

b. *British Defence Liaison Staff:*

(1) RAFLO and A/RAFLO for all RAF personnel on the posted strength of BDLS.

(2) RNLO and A/RNLO for all Royal Naval personnel serving in Australia.

(3) ALO and A/ALO for all British Army personnel serving in Australia, other than Army personnel on the strength of the RAF Support Unit.

Procedures

6. *Importing a Car.* The Serviceman applying to import a car will be required to submit two forms, Customs Form 11 (SG106) and Form 71. On completion of these forms he is to submit them to the appropriate nominated officer. The nominated officer

is to complete and sign Customs Form C and E 2835, a specimen copy of which is attached at Annex A, and forward it together with the applicants Forms 11 (SG106) and 71 to the Collector of Customs at the port through which the vehicle is being imported.

7. *Buying an Australian Built Car.* The Serviceman applying to purchase an Australian built car will be required to submit a claim for tax exemption on the form shown at Annex B. On completion of the form he is to submit it to the appropriate nominated officer. The nominated officer is to complete and sign the authorisation certificate, a specimen of which is attached at Annex C, and then forward the two certificates to the Deputy Commissioner of Taxation in the State where the vehicle is to be purchased. On approval by the Deputy Commissioner of Taxation the applicants certificate, duly endorsed, will be returned to him. He should then submit it to the car agent who will retain it as authority for supplying the car free of tax.

Specimen Signatures

8. Deputy Commissioners of Taxation and Collectors of Customs require specimen signatures of those officers authorised to sign the certificates shown at Annexes A and C. Therefore, those officers nominated in Paragraph 5 are to submit to BDLS 14 specimen signatures on separate quarto sheets.

9. When an officer takes over one of the appointments shown in Paragraph 5 he is to forward specimen signatures in accordance with Paragraph 8.

Departments of Taxation and Customs

10. The Taxation Certificates and Customs Forms mentioned in Paragraphs 6 and 7 are to be forwarded, when complete, to the appropriate departments at the following addresses:

a. *Deputy Commissioners of Taxation:*

(1) Adelaide	The 'Advertiser' Building, King William Street, (PO Box 288A, GPO).
(2) Brisbane	320-330 Adelaide Street,
(3) Canberra	West Row, CANBERRA CITY, ACT 2601.
(4) Darwin	Moonta Building, Mitchell Street, (PO Box 227).
(5) Hobart	77 Collins Street, GPO Box 712G.
(6) Melbourne ..	London Stores Building, 152 Elizabeth Street, (PO Box 769G).
(7) Perth	96-102 Barrack Street, (Box A.15, GPO).
(8) Sydney	21 Elizabeth Street, (Box 4197, GPO).

b. *Collectors of Customs:*

(1) New South Wales ..	Box 8, GPO, Sydney.
(2) Victoria	400 Flinders Street, Melbourne.

(3) Queensland ..	Customs House, Brisbane.
(4) South Australia ..	Customs House, Adelaide.
(5) Western Australia ..	Customs House, Perth.
(6) Tasmania	Customs House, Hobart.
(7) Northern Territory ..	Administered by Queensland (*see* above).

Checks by Nominated Officers

11. Before signing the Taxation Certificates or Customs Forms, nominated officers are to ensure that:

a. The applicant is eligible for the concession and is fully aware of the conditions to be observed.

b. He has not previously imported a motor car, or if he has it is still owned by him, and his domestic circumstances are such that two cars are needed by him and his family.

c. He has not previously bought an Australian built car free of tax, or if he has it is still owned by him and his domestic circumstances are such that two cars are needed by him and his family.

d. He has a reasonable expectation of serving two years in Australia.

12. The nominated officer is also to ensure that:

a. If a car is imported under the conditions of Paragraph 3 b it is exported within three years of importation, or such an extended period as may be approved.

b. When cars are transferred from one British Serviceman to another the cars remain subject to the conditions of the concession.

c. Any breaches of exemption conditions are reported to the appropriate Australian department.

Transfers from One British Serviceman to Another

13. Cars imported under the conditions of Paragraphs 3 a and 3 b may be transferred from one British Serviceman to another provided the latter is also eligible for the concession. Approval for such transfers is to be given by the appropriate nominated officer. A return of such transfers is to be submitted by the nominated officer to the Collector of Customs at the Port where the cars were imported in June and December of each year, giving the following information:

a. Number, rank, name and address of the person transferring the car.

b. Number, rank, name and address of the person receiving the car.

c. The original date of purchase.

d. The date of transfer.

e. The make and registration number of the car.

Nil returns are not required.

14. Australian built cars purchased under the conditions of Paragraph 3 c may be transferred from one British Serviceman to another, provided the latter is also eligible for the concession, within two years of purchase or before the car has had

25,000 miles of use. In such cases application is to be made to the Deputy Commissioner of Taxation, through the nominated officer, who is to give the following information:

a. Number, rank, name and address of the person transferring the car.

b. Number, rank, name and address of the person receiving the car.

c. The original date of purchase.

d. The date of transfer.

e. The make and registration number of the car.

Forms and Certificates

15. Annex A shows Customs Forms C and E 2835. Annex B shows Claim Form for Sales Tax Exemption. Annex C shows Authorisation Certificate. Stocks may be produced locally but the format is not to be changed.

16. Customs Forms 11 (SG106) can be obtained from any local stationery office, and Forms 71 obtained from the office of the Collector of Customs at the port where the car is being imported.

ANNEX A

The Collector of Customs,

.....

Sir,

I am aware that.....
.....
an officer/non-commissioned officer/enlisted man* under my jurisdiction has been accorded concession in respect of.....
.....†
and that he has given a personal security to the Commonwealth of Australia that the vehicle will remain in his use, ownership and possession, or, with your permission, of another member of the United Kingdom Armed Forces during the period of two years immediately after the date if its importation.

Signature.....

Rank.....

Establishment.....

* Strike out inappropriate words.
† Short description of vehicle.

(C & E No 2835, 4.66)

ANNEX B

SALES TAX EXEMPTION

Form of Certificate to be Supplied by a Member of the United Kingdom Forces in Australia Claiming Sales Tax Exemption for an Australian Made Motor Vehicle

Notes: (1) This certificate only applies to the purchase of a motor vehicle manufactured in Australia and must not be accepted by a motor vehicle vendor unless approved by the Taxation Department and stamped to that effect.

(2) Exemption is not applicable to parts or accessories for motor vehicles.

To the Commissioner of Taxation and
the Commonwealth of Australia,

I hereby declare that:

(1) I am a member of the United Kingdom Forces stationed in Australia.

(2) I have/I have not* previously imported a motor vehicle free of sales tax under item 114 in the First Schedule to the Sales Tax (Exemptions and Classifications) Act.

(3) I have/I have not* previously purchased an Australian made motor vehicle free of sales tax.

I hereby certify that the Australian made motor vehicle, namely a..... .....(make of vehicle and type), to be purchased by me from.....(name of vendor), on.....(date) is for my personal use and that it will not be sold or otherwise disposed of by me until after two years or 25,000 miles of use, whichever occurs first, without the approval of the Commissioner of Taxation.

On the foregoing grounds I hereby claim exemption from sales tax in respect of the vehicle.

Signature.....

Date.....

Full name.....

Rank.....

Service No.....

Branch of Service.....

Command or Unit.....

* *Delete* words which are inappropriate.

ANNEX C

Certificate to be Supplied to the Taxation Department by an Officer Authorised to Sign Certificates in Connection with the Purchase of Australian Made Motor Vehicles Free of Sales Tax by a Member of the United Kingdom Forces Stationed in Australia

To the Deputy Commissioner of Taxation,

(Capital City of State).

This is to certify that.....(name of member), of.....(Command Address), residing at..... .....(Domestic Address), whose specimen signature appears below is a member of the United Kingdom Forces stationed in Australia and that:

a. He has not previously imported a motor vehicle under arrangements applicable to members of the United Kingdom Forces stationed in Australia or, if a motor vehicle has previously been so imported, it is still owned by him and his domestic circumstances are such that two motor vehicles are at the one time reasonably needed by him and his family.

b. He has not previously purchased an Australian made motor vehicle free of sales tax under arrangements applicable to members of the United Kingdom Forces stationed in Australia or, if a motor vehicle has previously been so purchased, it is still owned by him and his domestic circumstances are such that two motor vehicles are at the one time reasonably needed by him and his family.

c. It is expected that he will remain in Australia for a period of..... months after the purchase of the motor vehicle referred to in the attached certificate signed by him.

Signature.....
(Officer authorised to sign)

Rank and
Service No.....

Date.....

Specimen Signature

(HPB 271/52/27)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

194—Use of Aluminium Alloy Collapsible Paddle—20 man Inflatable Liferaft 0472/5604

Navy Order 9 of 1970 is to be amended as follows:

Heading

shown as .. Patt 5604
should read .. 0472/5604

Paragraph 2

as above

Paragraph 5

shown as .. Catalogue Number 0472/257214
should read .. Stock Number 2040-66-TSN-0066 (formerly 0472/L57214)

(DGNP 400/2/290)

(*Navy Order 9 of 1970*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

195—Ammunition—Pyrotechnics—Cartridges Signal 1 inch Red, Green, White, and Illuminating—Allocation of Life—Withdrawal of Overage Cartridges

1. *Authorities concerned:* All HMA ships and shore establishments.

2. *Items affected:* 393014—Cartridge 1 inch white.
39318312—Cartridges 1 inch red.
39322212—Cartridges 1 inch green.

The above cartridges are paper cased and have been allocated a 12 year life.
393274—Cartridge 1 inch illuminating.

This cartridge when the SR No is followed by the digits '11' to '18' is also paper cased but has been allocated a seven year life; it is believed that few, if any, remain in service.

3. **Replacement Cartridges.** Are aluminium cased and have been allocated a life of five years. The following are the Store Reference Numbers applicable to aluminium cased cartridges:

a. Cartridge 1 inch red .. .. 39318311, 39318313, 39318314, 39318315, 39318316, 39318317, 39318318.

b. Cartridges 1 inch green .. .. 39322211, 39322213, 39322214, 39322215, 39322216, 39322217, 39322218.

c. Cartridges 1 inch white .. .. This cartridge has been superseded by the 1 inch illuminating cartridge SR Nos of which are shown at d.

d. Cartridges 1 inch illuminating .. 39327419, 39327422, 39327423, 39327424, 39327425, 39327426, 39327427.

4. **Action to be Taken—HMA Ships and Shore Establishments.** Any 1 inch signal cartridges of other than the store reference numbers detailed at a, b, c and d above (or whose date of filling is unknown) are to be returned to the nearest RAN Armament Depot at the first opportunity and replacements drawn in lieu quoting this Navy Order as the authority. (*Note:* The dates of filling of cartridges on board can be ascertained from the contents labels affixed to the packages.)

5. **RAN Armament Depots only.** Separate instructions are being issued in CL (P) No 190.

(DAS 700/62/154)

UNCLASSIFIED

196—Ammunition—Pyrotechnics—Signals Distress Day and Night No 1 Mark 1 Defective Lots

(*DCI (RN) 247/70*)

Item .. .. 36516224 Signals Distress Day and Night No 1 Mark 1 Lots 39 and 40.
SPRA 4/66.

Information .. .. Due to the inadequate ejection of the closing discs causing heat deflection on to users hand, the above lots of Signals Distress Day and Night No 1 Mark 1 are being withdrawn from service.

Action by HMA Ships and Air Stations Any Signals found of these particular lots are to be returned to the nearest RAN Armament Depot and replacements demanded.

RANADs only .. Any affected stock is to be reported for disposal.

(DAS 728/57/60)

UNCLASSIFIED

197—Fixed Issuing Prices for Provisions and Victualling Allowances as from 1 April 1970

1. The price list for fresh fruit and vegetables which has operated since 1 January 1970 has been amended.

2. A revised price list operative from 1 April 1970 has been distributed to all HMA ships and establishments.

3. The following rates of victualling allowances per head per day will apply as from 1 April 1970:

	Ashore $	*Afloat* $
Messes of 50 or less victualled from a separate galley ..	0.80	0.82
All other messes of 300 or less messed separately	0.78	0.80
Messes of more than 300	0.76	0.78
Additional for ships of the Strategic Reserve and for ships deployed with the United States Navy in the Far East ..	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC, DIAMANTINA, DUCHESS and QUEENBOROUGH	—	0.01
HMAS MELVILLE	0.82	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of NOIC PNG	0.84	—
Cadet Midshipmen at RANC		
Junior Recruits at Training Establishments		
Apprentices at RANATE	0.87	*
Australian Sea Cadets attending camps and courses		

* The allowance of 87 cents per day for Cadet Midshipmen, Junior Recruits, Apprentices and Australian Sea Cadets is increased to 89 cents per day when victualled onboard ships undergoing training and when messed separately.

4. Navy Order 71 of 1970 is hereby cancelled.

(D of V 903/51/163)

(*Navy Order 71 of 1970*)

UNCLASSIFIED

198—Johnson/Evinrude Outboard Motors, Operation, Care and Maintenance

1. Johnson/Evinrude outboard motors, which are widely used in the RAN, are by their nature and by the conditions under which they are used highly susceptible to damage.

2. For this reason, special care is to be taken in their use and to ensure that regular and correct maintenance is carried out.

3. An Owners Instruction and Maintenance Manual is issued with each outboard motor and additional copies may be obtained from SVSO, if required.

4. Unserviceable motors are not to be used as a source of supply of spares; they are to be returned complete to SMSO, Sydney, and are to be accompanied by details of the nature of the repairs required.

5. ABR 4, Articles 1009 (2) and 1013, are relevant.

6. Navy Order 274 of 1967 is hereby cancelled.

(DMS 1104/51/831)

(*Navy Order 274 of 1967*)

UNCLASSIFIED

199—Naval Stores (Crete)—Introduction and Allowances Group Class 0657 Catalogue No 519-4000—Test Set, Transistor, CT537

The introduction of and allowances for Test Set Transistor CT537, Stock No 0657/519-4000 were promulgated in Navy Order 460 of 1969 in which it was stated supply would be effected without demand as stocks became available. Due to the quantity required, lead time involved and the need for pre-issue test and calibration it is expected that supply will be protracted.

(DSAP 519/69/164)

(*Navy Order 460 of 1969*)

RESTRICTED

200—100 foot Patrol Boats—40/60 Gun Inspection

1. Ordnance carried by 100 foot Patrol Boats including those used for Reserve Training will be inspected at maximum intervals of six months irrespective of the number of rounds fired (BR 291).

2. On completion of inspection, a firing test may be carried out at the discretion of the Inspecting Officer to prove functioning and adjustment of rate of fire.

3. Requisitions for Inspection should be made as required by BR 292 Chapter 31 as under:

a. HMAS TARANGAU HMAS MELVILLE ..	NOIC/PNG and/or NOIC/NA to signal FOICEA info C of P Sydney, info CO WATERHEN, at least one month before inspection is required. An inspection team will be sent from INO Sydney for a period of approximately three weeks during which time boats are to be brought in one at a time. Inspection is expected to take about four days. Base Ordnance Staff are to assist in stripping, cleaning and re-assembly.
b. HMAS MORETON ..	NOIC/Queensland to signal FOICEA info C of P Sydney, CO WATERHEN, at least 14 days before inspection is required. Inspection will be by INO Sydney Staff.
c. HMAS LEEUWIN ..	NOIC/WA to signal NOIC/VIC info CO WATERHEN, at least 14 days before inspection is required. Inspection is by INO Melbourne and should coincide, where possible, with INO/M periodic inspections at RANAD Byford.
d. HMAS LONSDALE ..	Patrol Boats in the Victorian Area are to place requests for inspection on INO Melbourne, info CO WATERHEN.
e. HMAS WATERHEN ..	Patrol Boats in the Sydney Area are to place requests for inspection on INO Sydney.

4. The attention of Patrol Boats COs is drawn to the regulations for reporting of Failures and Defects of Naval Armament Stores: BR 862 for ammunition and BR 292 for gun armament.

5. CO HMAS WATERHEN is to be included in distribution of the relevant Forms AS1148.

6. Navy Order 73 of 1968 is hereby cancelled.

(DNOI 1234/51/112)

(Navy Order 73 of 1968)

UNCLASSIFIED

201—Stores General (Group Class 2520)—Vehicular Power Transmission Components—Change of Stock Number

1. As a result of changes to item identification data the following stock number change has been made and will be effected from 19 May 1970:

	New Stock Number		
Catalogue Number	*Group/ Class*	*Catalogue Number*	*Description*
00-736-4002	1615	00-736-4002	Cross Head Assembly

2. Action is to be taken to adjust accounts accordingly. ABR 4 (Ran Storekeeping Manual) Articles 1815, 3903 and 3904 are relevant in regard to HMA ships and commissioned establishments.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 607/51/69)

UNCLASSIFIED

202—WRANS and RANNS—Stockings, Black—Introduction of 20 Denier, Seamless, Hosiery

1. Stockings, nylon, seamed, black, 30 denier, are to be replaced by seamless, stretch, 20 denier stockings.

2. Supplies of 20 denier stockings are now available for repayment sale at $0.69 per pair, The new style stockings will be identified by the following catalogue numbers and nomenclatures:

Catalogue Number	*Nomenclature*	*Size*
61936	Stockings, black, stretch, 20 denier	Small 8½-9
61937	Stockings, black, stretch, 20 denier	Medium 9½-10
61938	Stockings, black, stretch, 20 denier	Large 10½-11

3. The 30 denier black stockings are to be utilised for gratuitous issues until present stocks are exhausted.

(D of V 917/76/15)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

203—Stores General—Revision of Forms SX20—'Issue Voucher' and SX21—'Advance Copy of Issue Voucher'

1. In the interests of standardising the method of issuing stores on NAVSTOK and of advising the consignee of the dispatch of stores, it has been decided to amend Forms SX20 and SX21 at the next reprint as follows:

2. **Form SX20—Issue Voucher.** This computer-produced issue voucher will in future be printed in sets of four copies instead of the usual three. Copy No 4 will be the 'Stock in Transit Advice' copy and will be used as an advance advice to the consignee of the dispatch of the stores and their packing details.

3. This will bring issues under computer-produced issue vouchers into line with those currently operating with Local Issue Vouchers (Forms SX22). It will eliminate the necessity for the consignee having to open up packages to ascertain their contents before he can distribute them to their stowage location.

4. **Form SX21—Advance Copy of Issue Voucher.** Originally Form SX21 which was entitled 'Stock in Transit Advice' was intended to advise the consignee of the dispatch of stores and their packing details (which function has now been taken over by copy 4 of Form SX20 above). However, as there was no actual dispatch of stock taking place at the time and no packing details can be inserted on the form this title was a misnomer. Its only function therefore is to advise the demanding authority that an issue voucher has been produced by EDP.

5. As a consequence Form SX21 will be amended at reprint and entitled 'Advance Copy of Issue Voucher'. The 'Certificate of Receipt' and 'Quantity Received' sections of the form will also be deleted as this information will now appear on the No 4 copy of Form SX20 above.

6. As both Forms SX20 and SX21 are computer-produced there is no necessity for ships and establishments to make any special arrangements about the introduction of the amended versions. These will be introduced automatically as soon as current stocks are used up.

7. ABR 4—'RAN Storekeeping Manual', ABR 93—'Manual of Victualling Stores', and ABR 5063 Volume 3—'EDP Supply Documents and Procedures' will be amended in due course.

(DSAP 464/77/123)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

ANOs 204-218/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
14 May 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

14926/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

204—Commissioning

The following commissioning has been effected:

HMAS COONAWARRA—16 March 1970.

(AS (NS) 1211/251/200)

UNCLASSIFIED

205—Consumption of Alcohol by MT Drivers

1. Following a case in which the driver of a Departmental vehicle consumed alcohol during the lunch break, clarification has been sought as to the interpretation of ABR 5013, Motor Transport Instructions, Article 28-2.

2. A driver is not regarded as being on duty during the lunch break provided he or she has made satisfactory arrangements for the safety of the vehicle and its contents during that period.

3. Under no circumstances is a driver to be in charge of a vehicle while under the influence of alcohol. Should a driver violate this direction he will be subject to disciplinary action.

4. ABR 5013, Article 28-2, will be amended to read 'no alcoholic liquor of any description is to be consumed by the driver of a Departmental vehicle whilst he or she is on duty. Driving a Departmental vehicle under the influence of alcohol is a disciplinary offence'.

(DSAP 1502/55/83)

Section 2

PERSONNEL

UNCLASSIFIED

206—Australian Sea Cadet Corps—Rationalisation

1. The Naval Board and the Navy League of Australia have jointly conducted the Australian Sea Cadet Corps of the Navy League of Australia since 1947; the Navy League administering the Corps on behalf of the Naval Board who exercises control over the training. With the agreement of the Navy League the Naval Board will, when the necessary regulations have been received, assume complete responsibility for the conduct, administration and financing of the Sea Cadet Corps which will be amalgamated with the RANR School Cadet units and be known as 'Naval Reserve Cadets' (NRC). This change will place Naval Cadets on a similar basis to the Army Cadet Corps and the RAAF Air Training Corps.

2. Naval Reserve Cadets will not form part of the Commonwealth Defence Forces and its members are not liable for service in a time of war, except as required under the Defence Act in regard to all male inhabitants of Australia.

3. In addition to the name change, the following action will also be taken:

a. Officers and Instructors of the NRC will be issued with Certificates of Appointment by the Naval Board.

b. CNF uniform will be worn by members of the NRC except that 'Australia' flashes will be replaced by 'Naval Reserve Cadets' flashes.

c. The RAN will assume full responsibility for the operation, administration and financing of the NRC.

d. In conformity with c, providing there is no Commonwealth-owned building in the area suitable and available for cadet training, the RAN will rent, lease or otherwise acquire existing ASCC buildings which are suitable, or enter into other arrangements with the owners; leases and agreements being negotiated subject to the provisos that:

(1) Commonwealth use of former ASCC building will be confined to cadet training.

(2) Charges which may arise in respect of transfer of leases, etc, will be borne by the RAN.

(3) The RAN will guarantee that, if cadet training is discontinued for any reason, properties previously held by the Navy League will be offered to the League.

(4) The responsibility for building alterations, improvements and maintenance will be clearly defined in leases and agreements.

e. A ceiling strength of 4,000 officers, instructors and cadets will be established.

4. The implementation of the above will take place over a period of years from funds allocated to the Navy in the normal way and will be subject to the overall priority consideration of Naval projects.

5. The foregoing details are issued for information only at this stage. Action required by local Naval authorities will be issued separately in due course. In the interim, Flag Officers and Naval Officers-in-Charge of areas continue to have the following responsibilities for all Naval Cadet Units within their respective areas:

a. To ensure co-operation between the RAN, CNF and Cadet Units and co-ordinate public relations.

b. To undertake inspections of all cadet units and, for the present, to select the most efficient ASCC unit in the area for the annual award of the ASCC Colour. Reports of inspection are to be forwarded to the Director of Naval Reserves and Naval Dockyard Police (DRNP)on Form PA181 (ASCC8).

c. To act as the Naval Board representative for the inspection of newly formed units seeking Naval Board recognition.

d. To arrange periods of continuous training and courses for officers, instructors and cadets. Arrangements for training where members would be required to travel interstate are not to be made without prior Naval Board approval.

e. To arrange visits by Cadets to ships and for local sea training experience, when practicable.

f. To arrange for musters of government stores and clothing.

g. Forward to the Naval Board by 15 May and 15 November, a proposed programme of week-end and continuous training and courses for the ensuing half training year.

h. Make recommendations to the Director of Naval Reserves on the appointment of officers and instructors.

i. Issue such instructions and memoranda as may be required.

6. The duties may be delegated to an officer of an appropriate establishment within the respective areas but annual inspections should be carried out by an officer of Commanders rank or above. The inspection of units should normally take place in daylight to test the efficiency of a units seamanship and boatwork.

7. The Director of Naval Reserves and Naval Dockyard Police will undertake the annual inspection of the most efficient cadet unit in each State for the award of the Navy League of Australia Annual Efficiency Trophy. He may also undertake such other inspections as may be recommended by the local Naval authority.

8. Revised Cadet Instructions will be issued in due course.

(DRNP 302/53/535)

UNCLASSIFIED

207—Charges for Victualling and Accommodation in HMA Ships and Naval Establishments

1. The rates of charge set out in Annex A to this order will apply in relation to victualling and accommodation provided to other than RAN personnel in HMA ships and Naval establishments and are operative from 1 July 1968. ABR 93 Article 0922 refers.

2. Recovery of victualling and accommodation charges is to be effected in accordance with Articles 0918 to 0921 of ABR 93, except that all amounts in respect of Army and Air Force personnel are to be reported to Navy Office for further action.

3. Treasury has directed that no charge will be made for victualling and accommodation of Australian Service personnel or Commonwealth civilian officers/employees (including those of Departments other than the Defence Group) who attend schools and training courses at Service establishments; therefore there will be no financial adjustment between Departments in this respect. However, in respect of Repayment Messes, visiting personnel are required to pay for any additional messing costs which are usual for the mess concerned.

Note: The foregoing will not apply to Statutory Authorities and business undertakings including the Commonwealth Railways and the Postmaster-General's Department.

4. Amounts recovered for victualling and combined victualling and accommodation charges are to be credited to Division 636/0/01/107—Receipts. Recoveries for accommodation charges are to be credited to Defence Revenue (Naval) Sundries.

5. The charges detailed in Annex A to this order do not apply to personnel:

a. whose conditions in this regard are governed by specific awards; or

b. in respect of whom special arrangements and/or rates have been approved, eg:

(1) RNZN Cadets and Upper Yardmen at the RAN College in respect of whom charges are recoverable at Navy Office; and

(2) victualling and accommodation of other than RAN personnel in HMA ships after commissioning in the USA and prior to departure for Australia.

ANNEX A

Victualling and Accommodation in HMA Ships and Naval Establishments Repayment Charges—Operative from 1 July 1968

Personal Category	*Repayment Mess*		*General Mess*		*Comment and Reference*
	Victualling	*Accommodation*	*Victualling*	*Accommodation*	
(A) Civilians					
(i) Commonwealth Officers and Employees on normal duty	Appropriate Mess Rates	(*a*) Permanent or semi-permanent residents—$0.50 per day (*b*) Casual visits—No charge up to 21 days; thereafter $0.50 per day	$0.96 per day or $0.35 for single casual meals	(*a*) HMA ships—$0.20 per day (*b*) Commissioned establishments— (i) Single room or double room shared—$0.40 per day (ii) Hut or dormitory type—$0.20 per day *Note:* Charges reduced $0.10 per day where resident required to service own room	ABR 93, Articles 0920 and 0921
(ii) Other civilians, eg, contractors employees	Appropriate Mess Rates	$0.50 per day	$0.96 per day or $0.35 for single casual meals	As for Commonwealth employees at (*a*) above	ABR 93, Articles 0920 and 0921
(B) Service Personnel					
(i) Australian, ie, Army and RAAF—					
(*a*) On duty who are both victualled and accommodated	Combined charge $1.50 per day		Combined charge $1.50 per day		ABR 93, Articles 0918 and 1919
(*b*) On casual visits who are not accommodated	Appropriate Mess Rates	Not applicable	No financial adjustment	Not applicable	ABR 93, Article 0918
(*c*) On passage, as distinct from duty or training, for short period	Appropriate Mess Rates	No financial adjustment ..	$0.96 per day or $0.35 for single casual meals	No financial adjustment ..	Army personnel transported in HMAS SYDNEY
(ii) Overseas Personnel					
(*a*) On duty or undergoing training who are both victualled and accommodated	Combined charge $3.50 per day		Combined charge $3.50 per day		ABR 93, Article 0919
(*b*) On casual visits who are not accommodated	Appropriate Mess Rates	Not applicable	$0.96 per day or $0.35 for single casual meals	Not applicable	Casual visits are generally in the form of goodwill or courtesy calls and normally no charge is made. The provisions of ABR 93, Articles 0919, 0920 and 0921 are applicable
(*c*) On passage as distinct from duty or training, for short period	Appropriate Mess Rates	No financial adjustment ..	$0.96 per day or $0.35 for single casual meals	No financial adjustment ..	Personnel to pay own victualling. ABR 93 will be amended

(DNA 201/58/98)

UNCLASSIFIED

208—EDP Supply System—Management Information Request—Form SD21

1. It has been decided to extend the authority contained in ABR 5063, Volume 3, Chapter 3, Appendix 4, whereby only HMA ships and establishments, Directorates of the Supply Division and Wholesale Store Depots can input to EDP Form SD21—Management Information Request—to obtain, inter alia, UNIT RATE applicable to an item 'on EDP', to all other RAN Authorities allocated an EDP Source Code.

2. When it is necessary to obtain the UNIT RATE applicable to an item 'on EDP' a Management Information Request (Form SD21) is to be prepared, registered and transmitted to EDP in the normal manner.

3. ABR 4 RAN Storekeeping Manual and ABR 5063 Electronic DATA Processing—Volume 3—Supply Documents and Procedures will be amended in due course.

(DSAP 464/77/145)

UNCLASSIFIED

209—Introduction of Joint Services Symbol

1. The Minister for Defence has approved the introduction of a Joint Service Symbol for the Australian Defence Forces.

2. The symbol has been adopted for use by the Chiefs of Staff Committee and will be used by the Chairman, Chiefs of Staff Committee, on correspondence and on his personal pennant. In addition, the symbol may be used in joint commands and establishments where the three Services are represented. All proposals to incorporate the symbol in distinguishing badges are to be submitted for the prior approval of the Chiefs of Staff Committee. A sketch of the proposed badge is to accompany the submission.

3. In designing the symbol, the objective has been to incorporate emblems traditionally representing the three Services individually as well as emblems which are distinctively Australian such as the Commonwealth star and the boomerang.

(DPS (A) 37/3/342)

UNCLASSIFIED

210—The Ian MacDonald Memorial Prize

The Ian Macdonald Memorial Prize for 1968 and 1969 has been awarded to the following officers:

LIEUTENANT S. D. BROWN—1968
LIEUTENANT B. A. GRIFFIN—1969

(HPB 38/6/6)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

211—Alteration and Addition Item—HMAS SUPPLY

The following Alteration and Addition Item is approved to be carried out in HMAS SUPPLY:

Class List Item No 72 (Ex TDL 'NLCC').

a. *Item:* 'To provide Chief POs Heads and Washplace by fitting out space on No 01 Deck FRS 56-59½ Port. In accordance with NO Drg No 216/248.'

b. The cost is estimated to be in the order of $2,500 and weight change is considered to be negligible.

c. *Reference:* HMAS SUPPLYs Form TG103 TDL 'NLCC' dated 6 January 1970 forwarded under cover of FOCAF Memorandum dated 6 January 1970.

(CNTS 1246/51/266)

UNCLASSIFIED

212—Demands for Naval Stores Used for Air Purposes

1. The requirement whereby demands for Naval Stores (other than those held under Group Classes 0624, 5821, 5826, 5831 and 5841) required for use with Naval Aircraft are to be endorsed 'For Use with Aircraft', which was included in the first issue of ABR 4 Naval Storekeeping Manual, was inadvertently omitted from the revised issue, ABR 4 RAN Storekeeping Manual.

2. This requirement still exists and the following new article will be inserted in ABR 4 by Change No 2:

'0624A NAVAL STORES REQUIRED FOR USE WITH AIRCRAFT.'

Demands for Naval Stores (other than those held under Group Classes 0624, 5821, 5826, 5831 and 5841) are to be endorsed in the 'Remarks' panel, 'For Use with Aircraft'.

(DSAP 400/1/1023)

UNCLASSIFIED

213—Stores Allowance Documentation—Formation of COSAL Working Party

1. Methods to improve the stores allowance documentation existing in the RAN have been investigated in recent months. A decision has now been taken to introduce into the RAN a system to be based upon concepts of the USN COSAL (Co-ordinated Shipboard Allowance List).

2. The COSAL, presently in force in RAN DDGs, is both a technical and a supply document prepared for an individual ship. As a technical document it lists equipment required for the ship to perform its operational mission. Technical data include nomenclature, operating characteristics, technical manuals, and drawing numbers which are described in Allowance Parts Lists or Allowance Equipage Lists. As a supply document the COSAL provides a complete list of the repair parts and supply tools allowed for the operation, overhaul and repair of shipboard equipments and a list of the miscellaneous portable items necessary for the care and upkeep of the ship itself.

3. To consider all necessary detail in implementing the above matters a COSAL Working Party has been formed with the following terms of reference:

a. Develop procedures for the adoption and maintenance of COSAL data for RAN DDGs with minimum local amendments.

b. Develop an integrated COSAL system so that procedures including validation, record maintenance and production, and SOAP implementation are compatible.

c. Develop an allowance system to apply to all RAN ships and commissioned establishments.

4. The COSAL Working Party is under the leadership of DFSD and consists jointly of active and advisory members from the staffs of Director of Fleet Supply Duties, Director of Supply Administration and Planning, Assistant Secretary (Electronic Data Processing), Naval Technical Services Branch, Flag Officer-in-Charge East Australia Area, and Flag Officer Commanding Her Majesty's Australian Fleet.

5. Updated versions of DDG COSALs have recently been procured from the USN together with computer tapes compiled by the USN for COSAL production. Procedures required to locally maintain and update these acquisitions are now being prepared. The COSAL for RAN DDGs will be maintained in existing format for the present.

6. The conversion of existing allowance lists into the COSAL format and the writing of new allowance lists where none exist at present will involve a major effort requiring considerable time before the new system becomes fully operational. Priority will be given firstly to DDGs, then new construction, followed by (or concurrently with) selected ships and establishments.

7. During the course of this activity the Working Party or individual members will be visiting selected ships and establishments. Suggestions or comments from ships and establishments are welcome and may be forwarded to Director of Fleet Supply Duties.

(DFSD 1605/1/66)

UNCLASSIFIED

214—Stores (General) ABR 5074—RAN Catalogue of Stores—Group Class 0274—Tools General F-N—Change of Accounting Classification

1. As a result of action taken in respect of Paragraph 5 of Navy Order 279 of 1967, the accounting classifications of various stores, as shown in Group Class 0274 Change No 3, Issue 2 dated August 1969 of ABR 5074, are to be amended as detailed in Annex A to this order, with effect from 25 May 1970.

2. Action is to be taken to adjust accounts in accordance with ABR 4 (RAN Storekeeping Manual) Articles 1815.

3. ABR 5074 RAN Catalogue of Stores will be amended in due course.

ANNEX A

Permanent Items to be Reclassified as Consumable

('P' to 'C')

Catalogue Number	*Catalogue Number*	*Catalogue Number*
910-4678	910-4700	910-4640
910-4648	910-4701	910-4679
910-4650	910-4702	910-4655
910-4652	910-4705	910-4655-L1
910-4628	910-4713	910-4656
910-4653	910-4706	910-4666
1205	120-4976	910-4662
910-4692	910-4708	910-4675
910-4722	910-4717	910-4676
910-4632	910-4716	910-4631
1191	910-4671	910-4689
910-4639	910-4721	910-4699

(DSAP 501/56/195)

(Navy Order 279 of 1967)

UNCLASSIFIED

215—Telegraphic Typewriters

Navy Order 101 of 1970 is to be amended as follows:

ANNEX A *Add* CERBERUS (Typing School) 136
WATSON 1

(D of C 462/251/11)

(Navy Order 101 of 1970)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

216—Declassification of Countermeasures Equipment and Publications

The following equipments have been downgraded to UNCLASSIFIED:

a. AS-570/SLR;

b. AS-571/SLR—All series;

c. AS-605/SLR;

d. AS-616/SLR—All series;

e. AS-1096/SLR—All series;

f. AS-1173/1174/1175/SLR—All series;

g. AS-899/SLR—All series; and

h. AN/WLR-1 and associated Field Changes—All series.

2. The publications associated with the above equipment and the AS-1023 (XN-1)/SLR antenna, are also downgraded to UNCLASSIFIED.

(DNI 1617/6/18)

UNCLASSIFIED

217—Multiline Stores Return Note—Form SX28

1. At present, Forms SX28 Multiline Stores Return Notes may be used to return various group classes of stores to a Store Depot.

2. To satisfy EDP requirements for separate registration for each individual item on Store Return Notes, as from date of this order a separate Multiline Stores Return Note (Form SX28) is to be raised for each store depot code as follows:

a. Group Classes on EDP.

b. Group Classes non-EDP.

3. ABR 4 will be amended.

(DSAP 464/77/55)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

218—Losses by Petty Theft—Review of Reporting Requirements

1. To save administrative and clerical effort in reporting losses by theft, it has been decided that, in the case of losses of stores with a value of $40 or less, due to theft by persons unknown, a simplified system of reporting as set out in the following paragraphs is to be used.

2. a. **Investigation by Head of Department.** The head of department concerned is to investigate the matter and cause Form SA116 to be raised. Brief answers to the following questions are to be given in the body of the form:

(1) Was the loss or deficiency caused or necessitated through the fraud, mistake, default, neglect or error of any person?

(2) Has all practical action been taken to recover the resultant financial loss?

(3) If there is evidence of theft, robbery, or fraud, is disciplinary action proposed? If not, why not?

(4) Does the investigation show any defect in the existing system of control? If so, what remedy is proposed in the Branch concerned and in similar branches elsewhere?

b. The questions should not be repeated on the form but a reference to this paragraph should be shown, eg:

Navy Order Paragraph 2a (1)—Yes.
(2)—Yes.
(3)—No. Culprit not known.
(4)—No.

c. It is emphasised that if the answer to 2a (3) is 'Yes' the full procedure in ABR 5016, Article 4963, is to be followed.

d. If the answer to 2a (4) is 'Yes' a statement should be attached to the Form SA116 giving the necessary information.

3. **Distribution of Form SA116:**

Copy No 1—To Navy Office quarterly, under cover of Form SA209.

Copy No 2—Pay Office Copy.

Copy No 3—For Store Account.

Copy No 4—For Custodian.

Extra Copy—If the theft is suspected to have been committed by a person or persons employed by the Commonwealth Government an extra copy of the Form SA116 is to be prepared for forwarding to the Commonwealth Audit Office as follows:

a. HMA ships in commission	To Navy Office for onward dispatch to Commonwealth Audit Office.
b. Commissioned establishments, ships attached thereto, ships in Reserve or paying off into Reserve	To be forwarded to the local Commonwealth Audit Office.

4. **Notifying Police.** It is not essential to notify the Naval Dockyard or Civil Police. However, the Commanding Officer or Head of Establishment may notify the Police (Dockyard or Civil) if he considers it is appropriate in the circumstances.

5. ABR 5016 and ABR 4 will be amended in due course.

(DSAP 400/1/897)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN.

ANOs 219/70-227/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
14 May 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

15272/70

CONTENTS

Section 1
ADMINISTRATIVE AND GENERAL

RESTRICTED

219/70—Australian Services Representation Overseas

Navy Order 177/69 is to be amended as follows:

ANNEX A

Sub-heading 'Indonesia' page 3:

Delete 'Captain W. J. Lovell, RAN'.

Insert 'Captain G. Kable, RAN'.

(DNI 22/201/67)

(*Navy Order 177/69*)

UNCLASSIFIED

220/70—Naval Communication Station, Darwin

The Naval Communication Station, Darwin, was commissioned as HMAS COONAWARRA on 16 March 1970.

(DPS (A) 37/3/347)

Section 3
OPERATIONAL AND TRAINING

RESTRICTED

221/70—RAN Tactical Course

1. The title of Course 901431 (Combined Tactical Course) has been changed to 'The RAN Tactical Course'. The course is conducted by the Tactical Section, HMAS WATSON, as scheduled in the current Officers Course Programme Navy Order.

2. The course is intended for seamen officers of Lieutenants rank and above who have had a reasonable amount of Fleet experience. Vacancies on the course may be filled by more junior seamen officers, weapons electrical engineer officers and officers from the RAN Research Laboratory.

3. This course covers all aspects of naval tactics and the Naval Board attach great importance to the attendance of appropriate officers on each course. In particular Commanding Officers, Officers of the Command Team and weapons electrical engineer officers whose action/defence station will be in the Operations Room should make every effort to attend a course before taking up their posting. In cases where this does not prove possible Commanding Officers are to ensure that these officers attend a course at the first opportunity after taking up their postings, refits and maintenance periods provide such opportunities. Implementation of the intent of the latter part of this paragraph is to be administered by the Flag Officer Commanding HMA Fleet.

4. Navy Order 152/69 is hereby cancelled.

(D of T 312/3/137)

(*Navy Order 152/69*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

222/70—Alteration and Addition Item—HMAS SYDNEY

The following Alteration and Addition Item is approved to be carried out in HMAS SYDNEY:

Class List Item No 289.

a. *Item:* 'To fit 3 No—6 slice toasters of approved type complete with 3 heat switch 220 volt DC—2 in wardroom pantry and 1 in Chief Petty Officers Cafeteria.

b. No weight compensation is required for the item.

c. *Reference:* Navy Office Letter 1213/53/41 dated 30 April 1963.

(CNTS 1213/53/41)

RESTRICTED

223/70—Ammunition, Shot Guns, Clay Pigeons and Traps Allowances and Supply on Repayment

1. The allowances of shot guns, ammunition, clay pigeons and traps have been determined observing the following principles:

a. Trap shooting is no longer required as a general training aid in the RAN and accordingly ships and establishments, as a whole, will not be issued with ammunition and clay pigeons. There are, however, specific cases where training benefit can be gained from trap shooting and other cases where ammunition will be allowed for particular circumstances. These exceptions are shown in Paragraph 2.

b. Shot guns and traps will be provided from public funds. The allowance of guns is shown in Paragraph 7.

c. Ammunition will be provided on repayment for recreational purposes to members of properly instituted gun clubs.

2. The following allowances are approved in accordance with Sub-paragraph 1a:

a. HMAS CERBERUS and WATSON will be allowed 2,000 rounds of number 6 shot, when hosts in inter-service competitions, and 1,000 rounds per annum for practice for inter-service competition in other years.

b. HMAS MELVILLE will be allowed 4,000 rounds of number 2 shot per annum to overcome the depradations of birds at HMAS COONAWARRA.

c. HMAS TARANGAU will be allowed 4,800 rounds of number 6 shot per annum as a training aid for patrol boat crews. This allowance has been made as a special case for 40/60 aimers as no aerial targets are available in the area.

d. HMAS CRESWELL will be allowed 3,000 rounds of number 6 shot per annum for small arms handling familiarisation.

e. HMAS NIRIMBA will be allowed 14,000 rounds of number 6 shot per annum for small arms familiarisation and recreational purposes. This allowance has been made as a special case in view of the present limited recreation facilities available.

f. NAS NOWRA will be allowed 5,000 rounds of number 6 shot per annum for training HFV and aircrew. NAS NOWRA will also be allowed 2,000 rounds of number 6 shot per annum when host for inter-service sports. This allowance is only to be used if WATSON is not inter-service host.

3. Clay pigeons will be allowed as required to HMAS CERBERUS, WATSON, TARANGAU, CRESWELL, NIRIMBA and NAS NOWRA on the basis of two clay pigeons for every round of ammunition allowed.

4. Non-service shot gun ammunition for recreational purposes may be purchased by members or ship welfare committees, and brought on board and stowed in accordance with the provisions of RI Article 2986 (c). In the case of submarines, ammunition may be obtained from Naval Armament Depots only and ammunition from other sources is not to be embarked.

5. Members of a properly constituted Gun Club, within a ship or establishment, may obtain shot gun ammunition and clay pigeons from Naval Armament and Naval Store Depots respectively. A necessary condition of this concession is that competent supervision of expenditure is exercised by the Gun Club, and that supply to individual members is kept within reasonable proportions. The current prices for supply, which are liable to adjustment, are as follows:

Number 6 shot gun cartridges	$5.94 per 100
Clay pigeons	$1.25 per 100

The repayment issue price comprises the 'into store' cost plus 25 per cent 'on cost' for departmental expenses (Navy Order 282/69 refers). Gun Clubs may find it advisable to check that ammunition and clay pigeons are not obtainable cheaper from non-service sources.

6. Demands by clubs on the Store Depots are to be made on Forms SX12/SX14. On issue, a receipt is to be given by either the President or the Secretary of the club on this form.

7. Opened packages of shot gun cartridges may not be returned to a depot. Credit on unopened packages returned will be allowed only to the amount of the 'into store' cost.

8. It is emphasised that ammunition and clay pigeons provided in accordance with Paragraph 2 are to be used only for the purposes for which they are provided.

9. Guns, single or double barrelled, are allowed to ships and establishments as follows:

a. Ships	MELBOURNE, SYDNEY, SUPPLY, STALWART, DDGs, DDs, DEs, Training, Surveying and Oceanographic ships	2 guns
Submarines ..	MSC, MHC, PALUMA and KIMBLA ..	1 gun
b. Establishments ..	NAS NOWRA, CERBERUS, CRESWELL, MELVILLE, TARANGAU and WATSON	2 guns
	NIRIMBA	5 guns

(DSAW 726/251/132)

(Navy Order 282/69)

UNCLASSIFIED

224/70—Fire Appliances Attending Fires Outside Naval Establishments

Where response is made by a Navy mobile fire appliance to an incident outside a Naval establishment the minimum manning of the appliance is to be two persons, these being the driver and one man crew.

(DNW 1427/9/58)

RESTRICTED

225/70—Generators and Alternators—Main Generator Trials in HMA Ships

1. During the course of recent ship Main Generator Trials, damage was caused to valuable electronic equipment by overvoltages on the main supply system.

2. It is always possible for severe overvoltages to occur due to the abnormal conditions existing during generator trials, especially in ac ships, and it is therefore essential that all sensitive equipment and apparatus that might be damaged by overvoltage be disconnected from the system during such trials.

3. Ships staff and those responsible for arranging and conducting generator trials are to ensure that such apparatus is disconnected and that no other trials take place concurrently which require sensitive equipment to be run.

4. Navy Order 246/67 is hereby cancelled.

(DFM 1211/251/129)

(*Navy Order 246/67*)

UNCLASSIFIED

226/70—Naval Stores—Accounting—Attractive Consumable Stores Reclassification

1. The list of attractive consumable stores shown in ABR 4 Article 0804 has been reviewed and the following items have been deleted:

Bexoid sheet	Eyeglasses
Calico	Fearnought
Canvas rot proof	Flannelette
Celestoid sheet	Goggles
Cloth muslin	Spectacles.
Duck khaki	

2. The following items have been added to the list:

Bosuns Calls	Bosuns Chains.

3. The revised list of attractive consumable stores is shown in Annex A.

4. ABR 4 will be amended.

ANNEX A

Band Accessories:
- Aprons, leg, for side drums
- Bows for double bass mutes
- Brushes, rhythm
- Cases/covers for instruments
- Cords, blue, for bugles
- Folios, music
- Forks, tuning
- Keys, piano, tuning
- Pads, practice, IR, for side drums
- Skins, plastic
- Slings, drum
- Stands, band, and saxophone
- Sticks, drum, tympani, and vibraphone
- Stools, drummer, collapsible
- Trimmers, reed, clarinet
- Weights for trombones
- Wind, iron

Bosuns Calls
Bosuns Chains
Brushes and leads for searchlights
Brushes, enamel
Celluloid sheet
Cordage, synthetic
Dope, aircraft
Fabric (cotton, linen, nylon, PVC, rubberised, silk and, terylene and bri-nylon)
Flags (except signalling flags)
Gold leaf
Irons, soldering, electric
Kersey, red and green
Leather all descriptions
Methylated spirits
Mops, ATO, model 'B', without brush, 10½ inch sponge
Padlocks
Pens, stylo
Perspex sheet
Photographic items:
- Films
- Filters
- Paper
- Plates

Platinum
Plugs, sparking
Rozalex Barrier Cream
Semi-conductors
Skins, chamois
Solder, silver
Tape, cellulose, and marking
Torches
Transistors
Valves, radio.

(DSAP 400/1/1044)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

RESTRICTED

227/70—ABR 27 Volume 1 Appendix A—Junior Officers Fleet Training Task Book

1. To assist in the correct implementation of the revised training pattern for junior officers, ABR 27 Volume 1 Appendix A—Junior Officers Fleet Training Task Book—has been produced. The publication will be distributed to ships concerned for personal issue to all Midshipmen borne.

2. ABR 27 Volume 1 Appendix A contains under each subject heading of the syllabus, practical tasks and written assignments to be completed by the junior officer as he progresses through his training. The work consists of practical participation in evolutions and exercises, amplified by questions requiring short written answers, carried out under supervision.

3. The aims of ABR 27 Volume 1 Appendix A are:

a. to amplify the syllabus of training published in current Navy Orders;

b. to indicate to the junior officer through the questions, the depth of knowledge required;

c. to indicate to the Examining Board the experience each officer has gained during his time in the Fleet.

4. The syllabus of training is common to Midshipmen of both the General List and the Supplementary List (Seaman) and consists of the following main subjects:

a. Seamanship .. .. 9 weeks

b. Engineering .. .. 6 weeks
   (1) Marine Engineering; NBCD
   (2) Weapons Electrical Engineering.

c. Operations and Weapons .. .. 5 weeks
   (1) Gunnery
   (2) Anti-submarine
   (3) Communications
   (4) Air
   (5) Action Information Organisation.

d. Supply .. .. 3 weeks

e. Divisional Officers Duties .. .. 2 weeks
   Ships Organisation.

5. Details of the training pattern and directions concerning supervision of work are contained in the Introduction to the publication. Recommendations for amendments are to be forwarded in the normal manner.

(D of T 465/1/1345)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

ANOs 228/70-237/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
21 May 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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1554/70

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

228/70—Civil Certificates of Competency as Engineer or Engine Driver

Victoria

Authority: Department of Labour and Industry.

Engine Drivers and Boiler Attendants Examination Board:

The certificates controlled by this Board are:

First Class Engine Driver
Second Class Engine Driver
Boiler Attendant

1. Each of these certificates can be restricted to various types of engines, turbines, and boilers according to the experience of the applicant, such restrictions being decided by the Board of Examiners.

2. Certificates which members are eligible for by examination are as follows:

a. Engineer Officers Chief Engine Room Artificer Chief Mechanician Engine Room Artificer 1st Class Mechanician 1st Class	May be granted a 1st Class Engine Drivers Certificate (condensing) restricted to Water Tube Boilers and Turbines. For an unrestricted certificate applicant must prove his experience and knowledge of reciprocating engines
b. Chief Engineering Mechanic Petty Officer Engineering Mechanic Engineroom Artificer 2nd Class Mechanician 2nd Class	May be granted a 2nd Class Engine Drivers Certificate restricted to Water Tube Boilers and Turbines. May be examined for 'Unrestricted' certificate if experienced with reciprocating engines
c. Leading Engineering Mechanic	May be granted a Boiler Attendants Certificate (if holding Auxiliary Machinery Watchkeeping Certificate) restricted to Water Tube Boilers. An 'open' Certificate requires an examination on shell boilers (Fire tube types).
d. Engineering Mechanic	To be examined in full

3. In Victoria, certification of Internal Combustion Engine Drivers and Refrigeration Engine Drivers is carried out by Technical Colleges.

New South Wales

Authority: Department of Labour and Industry.

1. The following certificates of competency are issued, without examination, by the Engine Drivers and Boiler Attendants Examination Board in recognition of qualifications gained by personnel whilst serving in the Royal Australian Navy.

2. Chief Engine Room Artificers and Chief Mechanicians:

a. Steam Engine Drivers Certificate of Competency (First Class) including all boilers.

b. Internal Combustion Engine Drivers Certificate of Competency (First Class Unrestricted).

c. Refrigeration Engine Drivers Certificate of Competency (Second Class).

3. Engine Drivers and/or Boiler Attendants Certificates of Competency are not issued, without examination in recognition of any lesser naval service qualifications than the aforementioned.

Western Australia

Authority: Board of Examiners, Mines Department.

In Western Australia, the applicants who can produce written evidence of Naval experience on any machinery for which a Certificate of Competency is required under the Inspection of Machinery Act 1921–58 are given consideration in accordance with the following:

1. Satisfactory character and efficiency.

2. Engineer Officers and Engine Room Artificers with record of:

a. (1) Five years apprenticeship as Fitter in an Engineers workshop on making and repairing of steam engines

or

(2) As Journeyman fitter for not less than five years engaged on similar duties as in a. (1).

b. Steam experience at sea holding a Charge Certificate.

May apply for and be granted a Second Class Certificate by oral examination or may sit for a full (written and oral) examination for a First Class Certificate.

The Engineer Officer is given consideration as his particular records and experience warrant.

3. In regard to steam experience, it should be noted that at present this refers to Reciprocating Engines only. Experience on Turbines has been allowed to the extent of three months for a First Class Certificate. However in cases where an applicants Steam experience is on Turbine only consideration is given to allowing him to sit for the First Class (Restricted) Certificate.

4. An applicant holding a Stokers Certificate with steam experience at sea of not less than twelve months would be entitled to sit for a Third Class Engine Drivers Certificate of Competency.

He may also be granted, without examination, a Boiler Attendants Certificate of Competency and then at the next regular examinations sit for a Third Class Engine Drivers Certificate of Competency.

5. An applicant holding a Stokers Certificate with not less than six months experience would be entitled to sit for examination as Boiler Attendant.

6. All applicants are required to comply with the following:

a. Written evidence of experience within three years previous to examination. If this has not been complied with then the applicant is expected to gain at least 40 hours operating under a driver certificated to operate the machinery on which the applicant intends to qualify.

b. To be conversant with the provisions relating to boilers, engines, whichever is applicable under the Inspection of Machinery Act 1921–58.

7. Other certificates awarded by this Department are:

a. Crane and Hoist Drivers Certificate of Competency.

b. Internal Combustion Engine Drivers Certificate of Competency.

Tasmania

Authority: Department of Labour and Industry.

1. Chief Inspector of Machinery. No provisions exist for the granting of exemptions from certificate examinations.

2. Applications for examination for land engine drivers or boiler attendants certificates are assessed on their service, whether in the engineroom or boiler room and such time must comply with the requirements of the Tasmanian Department of Labour and Industry. Applications for examination must be made within a period of five years of completion of service.

3. An Internal Combustion Engine Drivers Certificate may also be awarded upon examination.

South Australia

Authority: Department of Labour and Industry—Inspectorial Branch.

1. There are no current provisions for the granting of Engineer or Second Class Engineers Certificates in the Steam Boilers and Engine Drivers Act 1935–52.

2.

Rank	*Notes*	*Certificate of Equivalent Status*	*Qualification to be Examined for*
ME2	1.	Boiler Attendant	Third Class Engine Driver
ME1	2.	Third Class Engine Driver ..	Second Class Engine Driver
LME	2.	Third Class Engine Driver ..	Second Class Engine Driver
POME	2.	Second Class Engine Driver ..	—
CME	2.	Second Class Engine Driver ..	—
ERA	3.	First Class Engine Driver ..	—

Notes:

1. Producing Certificate of Service with Character and Ability assessed as Very Good and Superior.

2. Producing:

(1) Certificate of Service with Character and Ability assessed as Very Good and Satisfactory.

(2) Passed MTC.

(3) Holding AWC.

3. Producing Satisfactory Certificate of Service.

Queensland

1. The information relating to the State of Queensland is laid down in RI Appendix 10D.

(HPB 134/1/70)

UNCLASSIFIED

229/70—Family Accommodation Costs on Removal

1. The provisions governing reimbursement of family accommodation costs on removal have been varied to allow for full reimbursement of reasonable accommodation and meal costs incurred by a member in respect of his wife and family whilst travelling en route to a new locality or when taking up his first posting. The member is in addition, paid Travelling Allowance for himself.

2. Accordingly the provisions of NPI 231/18 (6) and NPI 231/22 should be noted pending amendment.

(HPB 252/4/107)

UNCLASSIFIED

230/70—Impact Injuries to Eyes—Investigations

1. The Defence Standards Laboratories is conducting a programme of investigational work on eye protection with the aims of identifying the type of lens/lens support system which has maximum impact resistance, evaluating the limits of usefulness of contemporary eye protective devices, and ultimately providing better protection from impact.

2. Data have been determined on the impact resistance of various materials used in safety spectacles lenses and these must be related to the requirements for protection in terms of the size and velocity of missiles capable of causing significant eye injury. For this statistical information is required on impact injuries which have occurred in practice.

3. The injuries that provide usable data are all impact injuries causing measurable diminution in visual acuity whether temporary or permanent. Members of the Naval Forces are suitable subjects for this statistical study because there is in all cases a reliable record of pre-injury visual acuity. It has been decided to establish an Eye Injury Registry for all future cases of eye injury and this registry is to be controlled by the Medical Director-General in Navy Office.

4. In each case of a member sustaining an impact eye injury the following information is to be forwarded to the Medical Director-General:

a. Names, Rank and Personal Number of injured person.

b. Date, Time and Place of Accident.

c. Nature of accident giving:

(1) Activity at the time (machining, grinding, chipping paint, etc).

(2) Description of the missiles: if possible (eg, in the case of a small foreign body) recover and preserve it and forward with this report, otherwise estimate size and weight of the missile.

(3) Estimate the velocity of the missile, or any data that may allow this to be collated (eg, the diameter and speed of rotation of the grinding wheel, etc).

(4) Direction of impact, relative to the eye.

d. Nature of injury (eg, blunt trauma, corneal abrasion, penetrating foreign body, etc).

e. Visual acuity after injury:

(1) Immediately.

(2) At time of report.

f. Nature of eye protection if any:

(1) Type of protection (eye shield, safety spectacles, ordinary spectacles, etc).

(2) Damage to protective device: send broken spectacles, etc to the Medical Director-General.

5. This report is to be made as soon as possible after the eye injury is received, and is not to be delayed pending completion of Form PP115 in accordance with RI 1623. Normal medical documentation is to be carried out.

6. Before the injured member is discharged from the Sick List or Attending List as the case may be, his vision is to be tested and his visual acuity is to be recorded on the appropriate medical form.

(MDG 156/51/143)

UNCLASSIFIED

231/70—Members on Long and Intermediate Term Duty Oversea

1. Certain rates of Travelling Allowance have been varied and accordingly the tables in Navy Order 704/69 as amended by Navy Orders 798/69, 66/70 and 133/70 are omitted and the following tables inserted in their stead:

Table A

Country	*Currency of Payment*	*Rates of payment per day*		
		LEUT or Relative Rank Officers of Lower Rank and Sailors	*CAPT, CMDR or Relative Rank, LCDR or Relative Rank*	*CDRE and above*
Argentina ..	$A ..	13.50	15.00	16.50
Belgium ..	Francs ..	690	780	860
Brazil:				
Brazilia ..	$A ..	18.50	21.00	22.50
Elsewhere ..	$A ..	16.50	18.00	19.50
Britain	£Stg ..	4.5.0	5.10.0	7.0.0
Canada ..	$Can ..	21	23.50	26
Chile	$A ..	15	17	19
UAR—Egypt ..	£Eg ..	5.050	5.800	6.500
Finland ..	FMks ..	65	78	90
Ghana	New Cedis ..	12.00	12.50	13.00
Greece	Drachmae ..	400	500	600
India:				
New Delhi ..	Rupees ..	125	130	135
Bombay ..	Rupees ..	150	155	160
Calcutta ..	Rupees ..	135	140	145
Elsewhere: *See* Table B.				

TABLE A—*continued*

Country	Currency of Payment	Rates of payment per day		
		LEUT or Relative Rank Officers of Lower Rank and Sailors	CAPT, CMDR or Relative Rank, LCDR or Relative Rank	CDRE and above
Iran:				
Abadan and Isfahan ..	Rials ..	1,620	1,690	1,760
Elsewhere ..	Rials ..	1,280	1,350	1,420
Ireland	£Irish ..	4.5.0	5.5.0	6.5.0
Israel	£Is ..	46	55	64
Kenya	EA Shgs ..	134	143	151
Lebanon ..	£Leb ..	31	34	37
Malaysia ..	$M ..	56	60	66
Mauritius ..	Rupees ..	77	89	101
Netherlands ..	Florins ..	55	60	66
Pakistan:				
Islamabad ..	Rupees ..	120	130	140
Karachi ..	Rupees ..	130	140	150
Dacca ..	Rupees ..	125	135	145
Elsewhere: *See* Table B				
Peru	$A ..	14.60	14.80	15.00
South Africa ..	Rand ..	13.00	14.30	15.60
Spain	Pesetas ..	730	830	930
Tanzania ..	EA Shgs ..	125	135	145
Timor	$A ..	7.00	7.50	8.00
Trinidad and Tobago:				
Within Trinidad and Tobago ..	$TT ..	33.50	38.00	43.50
Elsewhere in Caribbean Area:				
15 Dec to 15 Apr	$A ..	19.50	22.00	24.50
16 Apr to 14 Dec	$A ..	15.00	17.50	20.00
Turkey:				
Ankara, Bursa, Istanbul, Izmir	TLira ..	240	275	310
Elsewhere ..	TLira ..	120	130	140
United States of America ..	$US ..	21.00	23.50	26.00
Yugoslavia ..	New Dinars ..	160	185	215

Table B

Country	Currency of Payment	Rates of payment per day		
		LEUT or Relative Rank Officers of Lower Rank and Sailors	CAPT, CMDR or Relative Rank, LCDR or Relative Rank	CDRE and above
Austria	Schillings ..	160	190	210
Burma	Kyats ..	43	46	51
Cambodia ..	Riels ..	590	620	650
Ceylon	Rupees ..	30	35	40
Denmark ..	Kroner ..	60	65	70
Fiji	$F	4.50	5.00	5.50
France	Francs ..	40	45	50
Germany ..	DMarks ..	35	40	45
India:				
Elsewhere ..	Rupees ..	30	35	40
Italy:				
Rome, Milan, Venice, Turin, Florence, Genoa, Naples, Bologna ..	Lire ..	4,500	5,500	6,500
Elsewhere ..	Lire ..	4,000	5,000	6,000
Japan	Yen ..	3,800	4,100	4,400
Malta	£Stg ..	3.3.0	3.13.0	4.3.0
Mexico	Pesos ..	100	110	120
New Caledonia ..	CFP Francs ..	600	650	740
New Zealand ..	$NZ ..	5.50	6.00	7.00
Nigeria	£N ..	2.3.0	2.6.0	2.10.0
Pakistan:				
Elsewhere ..	Rupees ..	40	45	50
Philippines ..	Pesos ..	27	31	35
South Korea ..	Won ..	2,400	2,600	2,800
Sweden	Kroner ..	45	51	57
Switzerland ..	Francs ..	30	34	40
Taiwan	$NT ..	240	255	270
Thailand ..	Baht ..	150	160	170
Union of Soviet Socialist Republics:				
Moscow, Leningrad ..	Roubles ..	11.50	12.50	13.50
Elsewhere ..	Roubles ..	9.50	10.50	11.50

Table C

Country	Currency of Payment	Rates of payment per day		
		LEUT or Relative Rank Officers of Lower Rank and Sailors	*CAPT, CMDR or Relative Rank, LCDR or Relative Rank*	*CDRE and above*
Indonesia ..	$A ..	2.00	2.50	3.00
Laos	Kips ..	1,000	1,100	1,200
Other Countries ..	$A ..	2.00	2.50	3.00

2. The effective dates for changes in rates or inclusion of new rates in the above tables are as follows:

a. India—with effect from 24 December 1969; and

b. Ceylon and Pakistan—with effect from 21 January 1970.

3. The conditions for payment of travelling allowance as set out in Navy Order 704/69 remain effective however the rates shown are cancelled.

4. Navy Orders 66/70 and 133/70 are hereby cancelled.

(HPB 252/4/46)

(Navy Orders 704/69, 798/69, 66/70, 133/70)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

232/70—Ammunition—Pyrotechnics—Submarine Signalling Stores—Candles Smoke White Mark N6 Withdrawal

1. *Item:* 39211811—Candle Smoke White Mk N6 of the following filling dates and lot numbers:
   SPRA 3/66 Lot No 48.
   SPRA 4/66 Lot No 54.

2. *Action to be taken:*
   a. by HMA Submarines—Exchange any Candles of these lots for unrestricted Candles at the first opportunity.
   b. By RANADs—All stocks and receipts of Candles of these lots are to be brought on unserviceable charge and declared for disposal.

3. *Reason for withdrawal:* Failures at proof.

4. *Safety Category:* BR 862, Article 1705 Category 'ff'.

(DAS 725/52/203)

RESTRICTED

233/70—Director Aim Cameras and Accessories

1. Revised allowances of Director Aim Cameras and accessories are hereby promulgated for information, together with allowances of new type equipment for use with the M22 and M44 Gun and Missile Fire Control System fitted to HMA Ships SWAN and TORRENS only.

2. Daring Class Destroyers will not be fitted with the M44 Missile Fire Control System and should, therefore continue to use the original Director Aim Camera equipment as detailed in Annex A to this order with the M22 Gun Fire Control System to be fitted during extended refit.

3. Navy Orders 481/67 and 55/69 are hereby cancelled.

ANNEX A

Director Aim Cameras and Accessories

Group Class	Catalogue Number	Description	Allowances						
			DERWENT PARRAMATTA STUART YARRA	SWAN TORRENS	VAMPIRE VENDETTA DUCHESS	PERTH HOBART BRISBANE	MELBOURNE	KUTTABUL	CERBERUS
0553	2520	Cloth selvyt 14 inch x 14 inch ..	2		2	2	2	6	2
0553	8840	Camera body cameflex cine 35 mm ..	—	—	—	—	—	1	—
0553	8851	Lens 75 mm f2	1	—	1	1	1	1	—
0553	8854	Lens 300 mm f3.5 c/w transit case ..	1	—	1	1	—	2	1
0553	8855	Lens 500 mm f5.6	—	—	1	—	—	1	1
0553	8861	Filter, mounted, yellow for 300 mm and 500 mm lenses	1	—	1	1	—	1	1
0553	8862	Filter, mounted, red for 300 mm and 500 mm lenses	1	—	1	1	—	2	1
0553	8863	Support assy tile lens	—	—	—	—	—	2	—
0553	8880	Lens 40 mm f2	1	—	1	—	—	1	—
0553	8895	Unit, focussing, gate type	1	—	—	1	1	1	1
0553	8927	Magazine, 35 mm 200 feet capacity ..	6	—	6	6	6	12	6
0553	8928	Case to hold camera and accessories ..	1	—	1	1	1	2	1
0553	8929	Case to hold 6 magazines Cat No 8927	1	—	1	1	1	2	1
0553	8947	Mount Filter, 51.8 mm for Cat Nos 8979–8880 lenses	1	—	1	—	—	1	—
0553	8948	Mount filter, 61.8 mm for Cat Nos 8850 and 8851 lenses	1	—	1	1	1	1	—
0553	8951	Filter class 48 mm x 2 panchromatic ..	1	—	1	1	1	1	—
0553	8980	Gearbox with built-in electro magnetic counter c/w stowage box ..	1	—	1	1	1	2	1
0553	8981	Motor 24V DC governed for 10 pictures/second c/w stowage box ..	1	—	1	1	1	2	1
0553	8982	Motor 24V DC governed for 10 pictures/second c/w stowage box ..	1	—	1	—	—	2	—
0553	8985	Support for Cat No 8854 lens c/w adaptor base plate	1	—	1	1	—	2	1
0553	8986	Support for Cat No 8855 lens c/w adaptor base plate	—	—	1	—	—	1	1
0553	8991	Camera body cameflex 16/35 mm c/w 16 mm gate assy	1	—	1	1	1	1	1
0553	8998	Evaluator cine theodolite for assessing director aim recording film ..	—	—	—	—	1	2	1
0553	8999	Cover, waterproof for camera ..	—	—	—	—	—	1	1
0553	162005	Unit director, camera control c/w case	1	—	1	1	1	3	1
0553	162006	Mounting camera adj	1	1	1	1	—	1	1
0553	162032	Harness cable for mark 6, 6* and 6M directors	—	—	1(A)	—	—	—	1
0553	162034	Harness cable for MRS 3	1	—	1(B)	—	—	—	1
0553	162035	Lens 36 inch f11 c/2 transit case ..	1	—	—	1	—	1	—
0553	162036	Hood for Cat No 162035 lens ..	1	—	—	1	—	1	—
0553	162037	Filter mounted minus ultra-violet for Cat No 162035 lens	1	—	—	1	—	1	—
0553	162038	Filter mounted yellow x 2 for Cat No 162035 lens	1	—	—	1	—	1	—
0553	162039	Filter mounted red x 4 for Cat No 162035 lens	1	—	—	1	—	1	—
0553	162040	Bracket for use with mark 6, 6* director	—	—	1(A)	—	—	—	1
0553	162041	Support for Cat No 162035 lens ..	1	—	—	1	—	1	—
0553	162042	Cover waterproof for Cat No 162035 lens	1	—	—	1	—	1	—
0553	162123	Sling, neck for use with Cat Nos 8840–8991 camera bodies	1	—	1	1	1	2	1

Group Class	Catalogue Number	Description	Allowances						
			DERWENT PARRAMATTA STUART YARRA	SWAN TORRENS	VAMPIRE VENDETTA DUCHESS	PERTH HOBART BRISBANE	MELBOURNE	KUTTABUL	CERBERUS
0553	162192	Test set electrical c/w test cable harness	—	—	—	—	1	1	—
0553	162193	Outfit cameflex torque test	—	—	—	—	1	1	—
0553	162194	Camera torque unit	—	—	—	—	1	1	—
0553	162195	Camera take-up torque unit ..	—	—	—	—	1	1	—
0553	162196	Magazine take-off torque unit ..	—	—	—	—	1	1	—
0553	162275	Case stowage and transit	1	—	1	1	1	2	1
0553	162481	Exposure meter, Weston	1	1	1	1	1	2	1
0553	L24434	Millers fluid action tripod head ..	1	—	1	—	1	1	—
0553	L11777	Base for Millers fluid action tripod head	1	—	1	1	1	1	—
6710	14–TSN–9500	Camematic 35N camera	—	1	—	—	—	—	—
6710	14–TSN–9501	Dovetailed base plate	—	1	—	—	—	—	—
6760	14–TSN–9523	Variable speed motor	—	1	—	—	—	—	—
6710	14–TSN–9502	Film magazine	—	1	—	—	—	—	—
6710	14–TSN–9503	Film magazine	—	1	—	—	—	—	—
6760	14–TSN–9525	Numbering box	—	1	—	—	—	—	—
6760	14–TSN–9524	Flash generator	—	1	—	—	—	—	—
6760	14–TSN–9526	Marking box	—	1	—	—	—	—	—
6760	14–TSN–9527	Viewfinder	—	1	—	—	—	—	—
6760	14–TSN–9528	Lens; 50 mm, f2.4	—	1	—	—	—	—	—
6760	14–TSN–9529	Lens; 300 mm, f3.5	—	1	—	—	—	—	—
6760	14–TSN–9530	Case; for 300 mm lens	—	1	—	—	—	—	—
6760	14–TSN–9531	Support; for 300 mm lens	—	1	—	—	—	—	—
6760	14–TSN–9532	Holder; for 048 mm filter	—	1	—	—	—	—	—
6760	14–TSN–9533	Holder; for 092 mm filter	—	1	—	—	—	—	—
6760	14–TSN–9534	Lens; 500 mm f5.6	—	1	—	—	—	—	—
6760	14–TSN–9522	Case; for 500 mm lens	—	1	—	—	—	—	—
6760	14–TSN–9535	Support; for 500 mm lens	—	1	—	—	—	—	—
6760	14–TSN–9536	Filter holder, to suit 500 mm lens ..	—	1	—	—	—	—	—
6760	14–TSN–9537	Interconnecting cables	—	1	—	—	—	—	—

Notes: (A) HMAS VAMPIRE and VENDETTA
(B) HMAS DUCHESS

(DSAP 737/251/5)

(*Navy Orders 481/67 and 55/69*)

UNCLASSIFIED

234/70—Naval Stores (General)—Introduction and Allowances—Kit, Electronic, Repair and Maintenance—Stock No 5180-66-032-6356

Annex A to Navy Order 650/69 is to be amended as follows:

Add:

Group Class	*Catalogue Number*	*Description*	*Cl*	*Dq*	*Qty*
0283	L69791	Solder wire 60/40, 16 SWG ..	C	lb	½
3439	00–918–7917	Solder aid	C	No	1
3439	00–918–7918	Tweezers heat sink and antiwicking, 5 inch 22 AWG	C	No	1
3439	00–918–7919	Tweezers heat sink and antiwicking, 5 inch 24 AWG	C	No	1
3439	00–918–7920	Tweezers heat sink and antiwicking, 5 inch 10 AWG	C	No	1
3439	00–918–7921	Tweezers heat sink and antiwicking, 5 inch 18 AWG	C	No	1
3439	66–015–9716	Tip $\frac{3}{32}$ inch face diam., 45° tapered bevel, 2⅛ inch x $\frac{3}{16}$ inch shaft diam	C	No	1
3439	66–015–9717	Tip ⅛ inch face diam, 45° bevel 2⅛ inch x $\frac{3}{16}$ inch shaft diam	C	No	1
3439	66–015–9719	Tip $\frac{3}{16}$ inch face diam 45° bevel ..	C	No	1
3439	66–027–9307	Tip $\frac{3}{64}$ inch face diam 45° bevel 1⅝ inch x ⅛ inch shaft diam	C	No	1
3439	66–029–2406	Solder, resin cored, 2% silver loaded	C	Rl	1
3439	66–030–2659	Tip soldering $\frac{3}{16}$ inch face diam ..	C	No	1
3439	66–030–2907	Tip desoldering ⅛ inch nozzle ..	C	No	1
3439	66–033–3021	Solder, resin cored 60/40 28 gauge ..	C	Rl	1
3439	66–033–3030	Tip ⅛ inch face diam, 20° long rapered 2⅛ inch x $\frac{3}{16}$ inch shaft diam	C	No	1
3439	66–033–3043	Tip $\frac{3}{32}$ inch face diam, 30° chisel face 2⅛ inch x $\frac{3}{16}$ inch shaft diam	C	No	1
3439	66–033–6443	Tip ⅛ inch face diam, 50° chisel face	C	No	1
3439	66–033–6444	Tip ⅛ inch face diam $\frac{3}{32}$ inch wide, 90° modified chisel face	C	No	1
3439	66–034–1981	Wick desoldering No 4, 25 feet, approx 2.0 mm wide	C	Rl	1
3439	66–034–1982	Wick desoldering No 3, 25 feet approx 1.5 mm wide	C	Rl	1
3439	66–034–1983	Wick desoldering No 2 25 feet approx 1.0 mm wide	C	Rl	1
3439	66–034–1984	Wick desoldering No 1, 25 feet approx 0.5 mm wide	C	Rl	1
5110	66–028–5383	Pliers, carbide sheer 4 inch hard leads	P	No	1
5110	66–028–5384	Pliers, precision transverse end cutting 4½ inch	P	No	1
5110	66–028–5393	Scissors, mini-cutter 4 inch with hardened jaws	C	No	1
5120	66–023–1536	Solder pot 1 oz 115V	P	No	1
5120	66–028–5387	Mirror inspection, 7½ inches long, insulated magnifying, mirror diam 1 inch	C	No	1

Group Class	*Catalogue Number*	*Description*	*Cl*	*Dq*	*Qty*
5120	66–028–5396	Vice, pin 0.03 inch–0.06 inch ..	C	No	1
5180	66–035–4328	Jig, forming, electronic components..	P	No	1
7510	66–010–3496	Shield, erasing, metal typists ..	C	No	1
7510	66–018–9285	Eraser pencil	C	No	1
7920	66–033–3018	Brush, acid ⅜ inch wide, 6 inches long	C	No	1
9160	66–030–2874	Oil, special solder tip cleaning ..	C	Qt	1

(DSAP 505/251/166)

(Navy Order 650/69)

UNCLASSIFIED

235/70—Naval Stores—Introduction and Allowances of Spares for Bosun Dinghies

1. The items listed in Annex A to this order are being introduced as maintenance spares for Bosun Dinghies.

2. The outfit of spares in accordance with the following scale will be issued to all HMA ships and establishments holding Bosun Dinghies:

a. Quantities shown under column A in Annex A will be issued to the holders of less than 5 No Bosun Dinghies.

b. Quantities shown under column B in Annex A will be issued to holders of 5 No or more Bosun Dinghies.

3. Supply of the items listed in Annex A will be effected without demand by the Superintending Naval Store Officer, Sydney as stocks become available.

ANNEX A

Maintenance Spares for Bosun Dinghies

Group Class	*Catalogue Number*	*Description*	*Dq*	*Cl*	*Qty All'd A*	*Qty All'd B*
0255	L51560	Rubber shock strop ⅜ inch diameter	Ft	C	6	12
0255	L51558	Jamb cleat S/S for 1 inch rope ..	No	F	1	2
0255	L51515	Spinnaker pob ends	No	P	2	6
0255	L51557	Black plain S/S nylon sleave ..	No	P	1	2
0255	L51516	Spinnaker Halyard lead	No	F	1	2
0255	L51517	Sister clip	No	C	2	4
0255	L51518	Bridge eye for centre shock strop ..	No	C	1	2
0255	L51519	Spinnaker halyard and sheet cleats	No	F	1	2
0255	L51520	Nylon rubber for foresail ..	No	C	1	2
0255	L51556	Block upright swivel	No	P	1	2
0255	L51561	Spinnaker pole snaphook ..	No	C	1	2
2040	66–TSN–0046	Block single	No	P	—	2
2040	66–TSN–0047	Block double S/S	No	P	—	2
2040	66–TSN–0048	Block single	No	P	—	2
2040	66–TSN–0049	Drain plug ¾ inch diameter ..	No	C	1	2
2040	66–TSN–0050	Thimble S/S	No	C	1	2
2040	66–TSN–0051	Ring swivel and sister clip ..	No	C	1	2
2040	66–TSN–0052	Spinnaker snap clip	No	C	1	3

Group Class	Catalogue Number	Description	Dq	Cl	Qty All'd A	Qty All'd B
2040	66–TSN–0053	Kicking strap or vang	No	C	—	1
2040	66–TSN–0054	Toe strap 2 inches wide	Ft	C	8	32
2040	66–TSN–0055	Plug nylon	No	C	1	3
2040	66–TSN–0056	Pole spinnaker	No	P	1	3
2040	66–TSN–0057	Baton cane	No	C	3	9
2040	66–TSN–0058	Rudder	No	P	—	2
2040	66–TSN–0059	Tiller	No	P	—	2
2040	66–TSN–0105	Bridge eye	No	C	1	2
2040	66–TSN–0106	Joint cleat 2¾ inches long ..	No	P	1	2
2040	66–TSN–0107	Sling ploite S/S 5½ inches x ¾ inch ..	No	P	—	2
2040	66–TSN–0108	Drain plug nylon	No	C	1	2
2040	66–TSN–0060	Bailer S/S	No	P	1	4
2040	66–TSN–0110	Snap fairlead nylon	No	C	—	2
2040	66–TSN–0111	Block fixed fiddle	No	P	—	2
2040	66–TSN–0112	Main mast alspan B–3 aluminium ..	No	P	—	1
2040	66–TSN–0113	Boom alspan type A–2	No	P	—	1
2040	66–TSN–0114	Shackle S/S $\frac{3}{16}$ inch	No	C	4	24
2040	66–TSN–0115	Shackle S/S ¼ inch	No	C	4	24

(DSAP 512/58/346)

UNCLASSIFIED

236/70—Stores General—Preferred Australian Denominations of Quantity

1. The Codes for Denominations of Quantity authorised for use in the RAN are detailed in ABR 5074 Appendix C and ABR 4 Appendix 7.

2. The range of Denominations of Quantity is too extensive for general use and it has been decided to establish a preferred range of Denominations of Quantity for RAN use.

3. Annex A to this order sets out the preferred Australian Denominations of Quantity which will be applied by Supply Authorities for new items added to the RAN Inventory of Stores as from date of promulgation of this order.

4. The codes EA (each) and No (number) have been adopted for alternative use in the RAN. Either code will be recognised on EDP input documentation.

5. Denominations of Quantity at present in use will be continued as necessary and the full range of codes is available for use as required on receipt of stores from other sources eg, RN, USN, and other Service Departments.

6. When ordering or demanding supplies from RN and USN or other Service Departments, the denominations and approved codes used by the respective authorities must be used. In particular indents (demands) for medical stores must show the approved unit of issue (D of Q) Code as set out in the Joint Service List of Medical and Dental Equipment. On receipt, items obtained from other sources are to be brought to account using the appropriate RAN Code.

7. ABR 5074 and ABR 4 will be amended.

ANNEX A

Bottle	BO	Gross	GS	Quart Imp ..	QT
Can	CN	Hundred ..	HU	Quire	QR
Cop	CP	Inch	IN	Ream	RM
Cwt	CT	Linear Foot ..	LF	Set	ST
Dozen ..	DZ	Number ..	No	Square Foot ..	SF
Each	EA	Ounce	OZ	Square Inch ..	SI
Fathom ..	FM	Pair	PR	Square Yard ..	SY
Foot	FT	Pint	PT	Ten	TE
Gallons US ..	GU	Pound ..	LB	Ton	TO
Gallons Imp ..	GL	Quart US ..	QU	Yard	YD

(DSAP 400/51/275)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

237/70—Form PM183—Preliminary Physical Examination Questionnaire—Introduction

1. The following Form has been introduced, Form PM183, Preliminary Physical Examination Questionnaire, and should be demanded from the SVSO Sydney.

2. This form is to be used in accordance with the instructions contained in ABR 1991, Article 0705, Paragraph 9.

(MDG 464/76/130)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 238/70-245/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
28 May 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

15783/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

238/70—ACNB General Messages

1. In accordance with Navy Order 593/68, the state of ACNB General Messages at 1 April 1970 is as shown in Annex A to this order.

2. Navy Order 47/70 is hereby cancelled.

ANNEX A

1. The following F Messages may now be withdrawn:

1969

006	*See* ABR 5020 (NPI)
031	*See* ABR 27
047	*See* ABR 5016 (RI) and ABR 5028 (RANCOs)
118	*See* ABR 5016 (RI)
122	*See* Navy Order 79/70
156	*See* RANSO 49/69

2. At 0001Z April, the following F Messages were in force:

1969

040, 041, 043, 044, 045, 049, 050, 051, 052, 063, 065, 067, 068, 069, 071, 072, 073, 075, 076, 077, 079, 080, 081, 082, 083, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 097, 098, 099, 100, 101, 102, 104, 105, 106, 107, 109, 110, 113, 114, 115, 116, 117, 119, 120, 121, 124, 126, 127, 128, 129, 131, 133, 134, 135, 137, 138, 140, 142, 143, 144, 146, 148, 149, 150, 151, 152, 153, 154, 155, 158, 160, 163, 165, 166, 167.

1970

001, 002, 003, 004, 006, 007, 009, 010, 011, 012, 013, 015, 016, 017, 018, 019, 020, 021, 022, 023, 026, 028, 029, 030, 031 (but *see* also RANSO 7/70), 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043.

(AS (NS) 77/1/14)

(*Navy Orders 593/68 and 47/70*)

UNCLASSIFIED

239/70—Machinery—General—Safety Guards on Moving Machinery

1. An accident at sea, in which a sailor lost an arm, was caused primarily by the lack of a safety guard over a rotating shaft.

2. The attention of Commanding Officers is drawn to BR 3000, Article 0608. Where safety guards are removed from moving machinery, for whatever purpose, they are to be replaced as soon as possible. Where also, through failure to observe this instruction in the past, moving machinery is not protected by an efficient guard, this is to be provided without delay. Priority in the latter case is to be given to machinery located in gangways and other positions where accidents are particularly likely.

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3. A job card record is to be kept:

a. of the removal of any safety guard which, for whatever reason, cannot be replaced immediately after work on the machinery concerned is completed;

b. of the requirement to replace any missing safety guards. Where, in exceptional cases these cannot be provided by ships staff, an item covering the work is to be raised for inclusion in the next defect list.

4. Since refits afford the most serious opportunities for the loss of existing guards, or failure to provide them, Commanding Officers are to ensure that adequate guards have been fitted by the refitting authority, before machinery is again brought into service after refit.

5. Navy Order 315/67 is hereby cancelled.

(CONS 177/1/88)

(*Navy Order 315/67*)

UNCLASSIFIED

240/70—Motor Transport—Accessories, Fixtures and Spare Gear

1. Full details of accessories, fixtures and tools in respect of each vehicle are to be inserted in Page 8 of the relevant vehicle Log Book Form LG108 (NMT12), Revised 1969. Separate copies of Fixture Lists are not to be rendered to Navy Office.

2. Accessories, fixtures and spare gear are to be mustered at the same time as the vehicles are mustered during the periodical stocktake of the relevant Permanent Loan List, Articles in Use Account or Plant Account.

3. Annual Return Serial No A42 of ABR 1980 (Periodical and Occasional Returns to be rendered by Ships and Establishments)—Muster of items shown in fixture and spear gear lists (for motor vehicles)—is not required.

4. ABR 5013 (Motor Transport Instructions) will be amended in due course.

5. Navy Order 334/67 is hereby cancelled.

(DSAP 459/80/31)

(*Navy Order 334/67*)

UNCLASSIFIED

241/70—Radio Telegrams—SNM (Special Naval Message) Service

1. The SNM service is a special Naval radio telegram service which allows a certain reduction in charges. This service is operated in co-operation with the Postmaster-Generals Department and the Overseas Telecommunications Commission.

2. SNM messages may be originated:

a. by friends and relatives in Australia if addressed to Naval personnel who are serving in one of HMA ships or at HMAS TARANGAU;

b. by Naval personnel at sea in one of HMA ships or serving in HMAS TARANGAU addressed to an address in Australia.

3. The service is NOT available:

a. between personnel serving in HMA ships;

b. between personnel serving in shore establishments other than TARANGAU;

c. to or from Australian overseas territories;

d. to or from any foreign countries.

4. The SNM service employs a text of numeral groups to represent given phrases or words. Only three such groups, qualified as permitted by the code, may be used in any one message.

5. At flat rate of 55 cents (Australian) is charged for each message transmitted.

6. The SNM service is in addition to, and does not replace, the normal full rate private radio telegram. As with the full rate telegram, messages are accepted for transmission subject to operational commitments and the electronic emission policy currently in force, and will be transmitted only after all Service traffic has been cleared.

7. Procedural and accounting instructions are contained as Annex A to this order and a list of permitted groups as Annex B.

8. Navy Order 309/67 is hereby cancelled.

ANNEX A

Procedure

1. Normal international Commercial procedure is to be employed. The letters SNM, which constitute a Paid Service Indicator, are to be inserted in each SNM message in accordance with ACP 124 COM SUPP (A)-1 Article 108, and are to be counted as one word. This indicator is not to be omitted.

2. All messages handed in for transmission from shore to HMA ships at sea are to include in the address the addressees rank, name, personal number, the name of the ship and SYDNEYRADIO.

3. All messages handed in for transmission from HMA ships at sea are to include an address which is sufficiently complete to ensure delivery. Paid Service Indicator TF may be used.

4. Messages of the SNM category to and from HMA ships are to be routed, without exception, via SYDNEYRADIO. This is necessary to ensure proper accounting and, where necessary, decoding. Messages to HMA ships will be passed from Sydney Radio to NAVCOMMSTA CANBERRA for onward transmission over Naval circuits. Decoding of messages received on board HMA ships will be done by the Communications Staff before delivery to the addressee. Messages from HMA ships at sea are to be passed to Sydney Radio. Decoding will be performed by the PMG at CTO Sydney and the message then forwarded over inland telegraph circuits.

5. Coding of messages will be performed by the originator of the message. No deviation from the prescribed list of phrases, amplified as allowed, is permitted and the Communication Staff is responsible for checking each message. No SNM message is to contain more than three textual numeral groups.

Accounting

6. The charge for each message is 55 cents (Australian) regardless of the number of words in the group count.

ANNEX A—*continued*

7. The normal accounting arrangements for radio telegram traffic to and from HMA ships at sea will apply.

Special Arrangements

8. These messages will be accepted for transmission via RN, RCN and RNZN circuits. However, United States authorities may, under certain circumstances, be unable to accept such transmissions on their operational circuits. In such cases special circuit arrangements or delivery by air mail may have to be employed.

9. Where appropriate, NAVCOMMSTAs will refile messages in ACP 127 procedure for relay via the Australian Defence Tape Relay System or overseas Fixed Services.

ANNEX B

Groups for use in SNM Messages

Note: No deviation from groups and amplifying data contained herein is permitted.

A. CORRESPONDENCE

1. Letter received many thanks
2. Letters received many thanks
3. Telegram received many thanks
4. Parcel received many thanks
5. Parcels received many thanks
6. Letters and parcels received many thanks
7. Letter and telegram received many thanks
8. Telegram and parcels received many thanks
9. Letters sent
10. Parcels sent
11. Letters and parcels sent
12. Many thanks for letter
13. Many thanks for parcel
14. Many thanks for telegram
15. No news of you for some time
16. Writing
17. Urgent
18. Please write or telegraph
19. Please write
20. Please telegraph
21. Please reply worried
22. Airgraph letter received many thanks
23. Letters arriving regularly
24. Have you received letters?
25. Your letters not received
144. Please address letters home
145. Have you received telegram?
146. No parcel for some time
147. Write same address
148. Parcel sent
149. Writing regularly
150. Your parcels not received
151. Have you received parcel?
301. Writing in detail
302. Letter you mentioned not received
303. Parcel was just what I wanted many thanks
304. Letters coming in fine
305. Send me letter by V-mail
306. Received your nice letter
307. *Tell.....to write
308. V-mail letter received, many thanks

B. GREETINGS

26. Greetings
27. Loving greetings
28. Fondest greetings

* Necessary additional information to be inserted by senders in texts above where blank space provided.

ANNEX B—*continued*

29. Love
30. Darling
31. All my love
32. All my love dearest
33. All our love
34. Fondest love
35. Fondest love darling
36. Best wishes
37. Greetings from us all
38. Loving greetings from all of us
39. Best wishes from all of us
40. Fondest wishes from all of us
41. Best wishes and good health
42. Kisses
43. Love and kisses
44. Fondest love and kisses
45. Well
46. All well at home
47. Best wishes for Christmas
48. Best wishes for Christmas and New year
49. Loving wishes for Christmas
50. Loving wishes for Christmas and New Year
51. Loving Christmas thoughts
52. Happy Christmas
53. Happy Christmas and New Year
54. Good luck
55. Keep smiling
56. My thoughts are with you
57. Many happy returns
58. Birthday greetings
59. Loving birthday greetings
60. Happy anniversary
61. You are more than ever in my thoughts at this time
62. Best wishes for a speedy return
63. Good show keep it up
64. Best wishes for New Year
65. May God grant you a year of happiness
66. God bless you and keep you safe
67. My thoughts and prayers are ever with you
152. Love and best wishes for New Year to all at home
153. Best love from Daddy
154. God be with you till we meet again
155. God bless you
156. Love to Daddy
157. My love and greetings on Mothers Day
158. My love and greetings on Fathers Day
309. Regards to the gang
310. Greetings from the gang
311. Love to my Valentine
312. I hope you are still my Valentine
313. Love to all at home
314. Best wishes for a happy Easter
315. Best wishes for Thanksgiving
316. Love to the best mother in the world
317. Greetings to the best of fathers
318. Regards to everyone
319. May you be inscribed in the book of Life
320. May the Passover bring new hope and courage

C. HEALTH

68. Family all well
69. All well children evacuated
70. All well children returned home
71. All well and safe
72. Are you all right?
73. Are you all right worried about you
74. Please don't worry
75. Hope you are improving
76. Please telegraph that you are well
77. Are you ill?
78. Have you been ill?
79. Illness is not serious
80. Illness is serious

ANNEX B—*continued*

81. I have left hospital
82. In bad health
83. Health improving
84. Health fully restored
85. Son born
86. Daughter born
87. Am well and fit
88. Delighted to hear you are safe and well
89. So glad to hear you are better
90. Have not been ill
159. Hope you will soon be better
160. Have not been well
161. Injury is not serious
162. Anxiety unnecessary
163. Going into hospital
164. Operation over condition satisfactory
165. Hope children all well
166. Both well
167. Twins born
168. How are all the family?
169. Injury is serious
170. I am in hospital
321. Am getting along all right
322. *Received news of birth of.....
323. Expecting blessed event
324. Very happy in receipt good news
325. *How is.....?

D. PROMOTION

91. Congratulations on your promotion
92. Very pleased to hear of your promotion
93. Delighted hear about your promotion
94. Have been promoted
95. Have been decorated
96. Have received commission
97. Congratulations on your commission
326. *Have received decoration.....

E. MONEY

98. †Please send me £.....
99. †Please send me..... Dollars
100. †Have sent you £.....
101. †Have sent you..... Dollars
102. Can you send me any money?
103. Glad if you could send some money
104. Have received money
105. Have you received money
106. Have you sent money?
107. Thanks for money received
108. Have not received money
109. Unable to send money
110. Sorry cannot send money
111. Do you need money?
112. †Have paid £/$.....into your banking account
113. I do not need money
114. Can you make me daily allotment?
171. Have sent money
172. Can you increase the allotment
173. Are you receiving allotment?
174. Business very bad grateful financial assistance
175. Expect to be able to send you money next pay day
327. Can you make me an allotment?
328. Put money I sent in Savings Account
329. Shall I increase allotment?
330. To what address was money sent?
331. Buy war bonds with money
332. *Do not purchase.....
333. *Buy.....at best price without delay
334. *Sell.....at best price obtainable
335. *Will send money in.....days
336. Receiving allotment regularly

* Necessary additional information to be inserted by senders in texts above where blank space provided.

† The amounts in words is to be inserted immediately following the text number.

ANNEX B—*continued*

F. CONGRATULATIONS

115. Congratulations on Anniversary best wishes
116. Congratulations lasting happiness to you both
117. Glad and proud to hear of your decoration everybody thrilled
118. Loving greetings and congratulations
119. Good luck keep it up
120. I wish we were together on this special occasion, all my best wishes for a speedy reunion
121. Very pleased to hear you have passed examination
122. Best wishes to all at home
123. Our thoughts are with you
124. Love to all the family
337. Congratulations on your decoration
338. We are all very proud of you
339. Congratulations on your graduation
340. Congratulations

G. WAR DAMAGE

125. *.....injured and in hospital
126. Injured and in hospital
127. Sorry to hear of damage hope all well
128. Sorry to hear of injury and hope not serious
129. Sorry to hear of injury and hope progress favourable
130. Sorry to hear of injury and hope soon be better

H. MISCELLANEOUS

131. What things do you need most urgently?
132. Have done as you asked
133. Rumour not true
134. No
135. Very happy to hear from you dearest am fit and well
136. Hearing your voice on the wireless gave me a wonderful thrill
137. Hope to see you soon
138. Hope
139. Your telegram not received
140. Yes
176. Father
177. Mother
178. Wife
179. Fiance
180. †.....writing telegraphing frequently
181. †.....writing weekly
182. †.....writing regularly receiving no reply
183. †.....anxious welfare no news recently
184. †.....receiving letters regularly
185. †.....receiving letters occasionally
186. †.....well, receiving allotment
187. †.....recovering operation returning home
188. †.....is entering hospital
341. Tell children about me
342. Tell me about children
343. Send me a late photo
344. Hospitality of people here wonderful
345. Be happy and brave
346. Consult lawyer before taking action
347. Wait instructions in my letter
348. Am sending legal papers today
349. Have acted as you requested
350. Will keep you fully advised
351. Let me know when you find out

* Necessary additional information to be inserted by senders in texts above where blank space provided.

† The words Father, Mother, Wife or Fiance may be inserted before texts 180 to 188 if desired.

ANNEX B—*continued*

352. Wish I could be with you
353. Please send duplicate
354. †Has been sick
355. †Much better
356. †In good health
357. Expect to be home soon. Do not write further
358. Will contact you on arrival
359. Plans to return home changed. Letter follows
360. Leaving..... (day of week or date in month to be inserted)
361. Departure delayed
362. Departure further delayed
363. Delayed.....days (number to be inserted)
364. Arriving..... (day of week or date of month to be inserted)

I. BEREAVEMENT

141. *Sorry to tell you.....died
142. *Sorry to hear.....died
143. The Lord bless you and sustain you in your loss

NOTIFICATION OF PERSONAL BROADCAST

189. Hope to broadcast greetings from BBC listen.....‡

* Necessary additional information to be inserted by senders in texts above where blank space provided.
† These texts can be inserted following selections of items in texts 176 to 179.
‡ Day of week to be added.

(D of C 68/201/35)

(*Navy Order 309/67*)

Section 2
PERSONNEL

UNCLASSIFIED

242/70—Naval Emergency Reserve and Citizen Naval Forces—Conditions of Service During Voluntary Continuous Service

Navy Order 788/69 is to be amended as follows:

Paragraph 14a (2) and b (2)

Amend to read: 'Vacancies must exist on PNF promotion lists with no PNF sailors available to fill them'.

Paragraph 15

Final sentence—*delete* word 'Assessments', *substitute* word 'Suitability'.

(DRNP 465/1/1170)

(*Navy Order 788/69*)

UNCLASSIFIED

243/70—Travel by Naval Personnel in RAAF Aircraft

1. RAAF movement regulations require Service personnel, when travelling on RAAF aircraft to wear uniform.

2. On all occasions where Naval personnel are required to travel by RAAF aircraft uniform is to be worn.

(HPB 1224/272/60)

Section 4
EQUIPMENT, STORES AND SERVICING

RESTRICTED

244/70—Fuzes VT N80—Use for Practice Purposes

Navy Order 147/70 is to be amended as follows:

Paragraph 2

delete Store Reference No 35857811.
insert Store Reference No 35837811.

(DAS 726/70/222)

(*Navy Order 147/70*)

RESTRICTED

245/70—Launchers, Rocket—2 inch Rocket Flare Launcher Mark 5—Radhaz Protection of Firing Circuit—Modification No 01

Ships, establishments and authorities concerned	All ships and establishments Weapon Equipment Depots
Type and mark of equipment ..	2 inch Rocket Flare Launcher, Mark 5
Part of equipment affected	Firing Circuit
Reason	To provide RADHAZ protection for the launcher firing circuits
Modification	To be carried out in accordance with Schedule No DW MAT (N) 2635
Drawings	DNO 8321 Sheet 1 DNO 8322 Sheet 1 DNO 8327 Sheets 1, 5, 7 and 12 DNO 8328 Sheet 1 DNO 8330 Sheets 2 and 3 and Item List DW MAT (N) 2504 Series DW MAT (N) 2511
By whom	Dockyard
Priority	Category 1
How to be treated	As defect action
Material required	Modification kits are to be demanded from Weapon Equipment Stores Depots, if not already held
Trials on completion	In accordance with Specification DW MAT (N) SI/58/67. (Will eventually be incorporated in BR 924)
Recording action	Completion of modification is to be recorded in Planned Maintenance documentation and by Form TM145 (AS2061Z) to Navy Office.

2. Interim instructions promulgated by Navy Order 488/67 are relevant until Modification No 01 has been incorporated.

(DFM 736/252/45)

(*Navy Order 488/67*)

Printed for the Government of the Commonwealth by W. G. MURRAY, Government Printer, Canberra

HISTORIAN.

ANO 246/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
10 June 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

16248/70

Section 2
PERSONNEL

UNCLASSIFIED

246/70—Pay, Rent Norm and Table of Normal Living Expenses for Purposes of Payment of Temporary Rental and Temporary Accommodation Allowance

1. A table showing the pay, rent norm and normal living expenses used in the assessment of claims for payment of Temporary Rental and Temporary Accommodation Allowance is shown in Annex A attached to this Navy Order.

2. These rates are applicable from 19 December 1969.

3. Navy Order 675/69 is hereby cancelled.

16248/70—2

ANNEX A

Pay, Rent and Normal Living Expenses for Temporary Rental Allowances and Temporary Accommodation Allowance with Effect from 19 December 1969

Rank	*Pay Plus Allowances (MA $1.15, SA 70c, UA 28c, TOTAL = $2.13)*		*Rent Norms for TAA and TRA (15% of Pay and Allowances)*	*Normal Living Expenses*				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
A/Sub-Lieutenant	10.24	3,737.60	10.78	19.80	22.80	25.30	27.80	30.30
Sub-Lieutenant	11.31	4,128.15	11.90	21.60	24.90	27.60	30.30	33.00
0/2 years	11.76	4,292.40	11.90	21.60	24.90	27.60	30.30	33.00
0/4 years	12.21	4,456.65	11.90	22.85	26.30	29.10	31.90	34.70
0/6 years	13.25	4,836.25	11.90	24.10	27.70	30.60	33.50	36.40
Lieutenant	13.25	4,836.25	13.93	24.10	27.70	30.60	33.50	36.40
0/1 year	13.83	5,047.95	13.93	24.10	27.70	30.60	33.50	36.40
0/2 years	14.86	5,423.90	13.93	25.35	29.10	32.10	35.10	38.10
0/3 years	15.44	5,635.60	13.93	26.60	30.50	33.60	36.70	39.80
0/4 years	16.01	5,843.65	13.93	26.60	30.50	33.60	36.70	39.80
0/5 years	16.59	6,055.35	13.93	27.85	31.90	35.10	38.30	41.50
0/6 years	17.17	6,267.05	13.93	27.85	31.90	35.10	38.30	41.50
0/7 years	17.74	6,475.10	13.93	29.10	33.30	36.60	39.90	43.20
0/8 years	18.32	6,686.80	13.93	29.10	33.30	36.60	39.90	43.20
0/10 years	18.89	6,894.85	13.93	30.35	34.70	38.10	41.50	44.90
1/14 years	19.47	7,106.55	13.93	30.35	34.70	38.10	41.50	44.90

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
Lieutenant Commander ..	19.28	7,037.20	20.23	30.35	34.70	38.10	41.50	44.90
0/1 year	19.86	7,248.90	20.23	31.60	36.10	39.60	43.10	46.60
0/2 years	20.44	7,460.60	20.23	31.60	36.10	39.60	43.10	46.60
0/3 years	21.01	7,668.65	20.23	32.85	37.50	41.10	44.70	48.30
0/4 years	21.59	7,880.35	20.23	32.85	37.50	41.10	44.70	48.30
0/6 years	22.16	8,188.40	20.23	34.10	38.90	42.60	46.30	50.00
Commander	23.12	8,438.80	24.29	35.35	40.30	44.10	47.90	51.70
0/2 years	23.69	8,646.85	24.29	35.35	40.30	44.10	47.90	51.70
0/4 years	24.27	8,858.55	24.29	35.35	40.30	44.10	47.90	51.70
0/6 years	24.85	9,070.25	24.29	35.35	40.30	44.10	47.90	51.70
Captain	25.81	9,420.65	27.09	35.35	40.30	44.10	47.90	51.70
0/2 years	26.39	9,632.35	27.09	35.35	40.30	44.10	47.90	51.70
0/4 years	26.96	9,840.40	27.09	35.35	40.30	44.10	47.90	51.70
0/6 years	27.54	10,052.10	27.09	35.35	40.30	44.10	47.90	51.70
Captain (Special rate) ..	35.72	13,038.00	37.52	35.35	40.30	44.10	47.90	51.70
Rear-Admiral	42.38	15,469.00	44.52	35.35	40.30	44.10	47.90	51.70
Surgeon Lieutenant	18.22	6,650.30	19.11	29.10	33.30	36.60	39.90	43.20
0/1 year	18.92	6,905.80	19.11	30.35	34.70	38.10	41.50	44.90
0/2 years	19.63	7,164.95	19.11	30.35	34.70	38.10	41.50	44.90
0/3 years	20.33	7,420.45	19.11	31.60	36.10	39.60	43.10	46.60
0/4 years	21.04	7,679.60	19.11	32.85	37.50	41.10	44.70	48.30
0/5 years	21.92	8,000.80	19.11	34.10	38.90	42.60	46.30	50.00
Surgeon Lieutenant-Commander	22.80	8,422.00	23.94	35.35	40.30	44.10	47.90	51.70
0/1 year	23.68	8,643.20	23.94	35.35	40.30	44.10	47.90	51.70
0/2 years	24.85	9,070.25	23.94	35.35	40.30	44.10	47.90	51.70
0/3 years	25.74	9,395.10	23.94	35.35	40.30	44.10	47.90	51.70
Surgeon Commander ..	28.00	10,220.00	29.40	35.35	40.30	44.10	47.90	51.70
0/1 year	29.16	10,643.40	29.40	35.35	40.30	44.10	47.90	51.70
Surgeon Captain	31.58	11,526.70	33.18	35.35	40.30	44.10	47.90	51.70
Chaplain	14.86	5,423.90	15.61	25.35	29.10	32.10	35.10	38.10
Chaplain (4 years)	17.17	6,267.05	18.06	27.85	31.90	35.10	38.30	41.50
Chaplain (14 years)	20.44	7,460.60	21.49	31.60	36.10	39.60	43.10	46.60
Chaplain (20 years)	23.12	8,433.80	24.29	35.35	40.30	44.10	47.90	51.70
Sub-Lieutenant (U)	7.37	2,690.05	7.77	17.05	19.30	21.30	23.30	25.30
Midshipman	7.37	2,690.05	7.77	17.05	19.30	21.30	23.30	25.30
SAILORS								
Group 1								
Able	7.77	2,836.05	8.19	17.60	20.00	22.10	24.20	26.30
Leading	8.60	3,139.00	9.03	18.15	20.70	22.90	25.10	27.30
PO	9.25	3,376.25	9.73	18.70	21.40	23.70	26.00	28.30
PO 0/2 years	9.41	3,434.65	9.73	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.56	3,489.40	9.73	19.25	22.10	24.50	26.90	29.30
CPO	10.18	3,715.70	10.71	19.80	22.80	25.30	27.80	30.30
CPO 0/2 years	10.32	3,766.80	10.71	19.80	22.80	25.30	27.80	30.30
CPO 0/4 years	10.51	3,836.15	10.71	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	10.67	3,894.55	10.71	20.35	23.50	26.10	28.70	31.30

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 2								
Able	7.77	2,836.05	8.19	17.60	20.60	22.10	24.20	26.30
Leading	8.59	3,135.35	9.03	18.15	20.70	22.90	25.10	27.30
PO	9.25	3,376.25	9.73	18.70	21.40	23.70	26.00	28.30
PO 0/2 years	9.41	3,434.65	9.73	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.56	3,489.40	9.73	19.25	22.10	24.50	26.90	29.30
CPO	10.18	3,715.70	10.71	19.80	22.80	25.30	27.80	30.30
CPO 0/2 years	10.31	3,763.15	10.71	19.80	22.80	25.30	27.80	30.30
CPO 0/4 years	10.51	3,836.15	10.71	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	10.67	3,894.55	10.71	20.35	23.50	26.10	28.70	31.30
Group 3								
Able	7.93	2,894.45	8.33	17.60	20.00	22.10	24.20	26.30
Leading	8.76	3,197.40	9.17	18.15	20.70	22.90	25.10	27.30
PO	9.38	3,423.70	9.87	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	9.55	3,485.75	9.87	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.69	3,536.85	9.87	19.25	22.10	24.50	26.90	29.30
CPO	10.31	3,763.15	9.87	19.80	22.80	25.30	27.80	30.30
CPO 0/2 years	10.45	3,814.25	10.85	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	10.64	3,883.60	10.85	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	10.81	3,945.65	10.85	20.35	23.50	26.10	28.70	31.30
Group 4								
Able	8.18	2,985.70	8.61	17.60	20.00	22.10	24.20	26.30
Leading	8.98	3,277.70	9.45	18.70	21.40	23.70	26.00	28.30
PO	9.61	3,507.65	10.08	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	9.77	3,566.05	10.08	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.92	3,620.80	10.08	19.80	22.80	25.30	27.80	30.30
CPO	10.54	3,847.10	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.68	3,898.20	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	10.87	3,967.55	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	11.03	4,025.95	11.06	21.60	24.90	27.60	30.30	33.00
Group 5								
Able	8.40	3,066.00	8.82	18.15	20.70	22.90	25.10	27.30
Leading	9.21	3,361.65	9.66	18.70	21.40	23.70	26.00	28.30
PO	9.83	3,587.95	10.29	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	10.00	3,650.00	10.29	19.80	22.80	25.30	27.80	30.30
PO 0/4 years	10.14	3,701.10	10.29	19.80	22.80	25.30	27.80	30.30
CPO	10.77	3,931.05	11.34	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.90	3,978.50	11.34	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	11.09	4,047.85	11.34	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.26	4,109.90	11.34	21.60	24.90	27.60	30.30	33.00
Group 6								
Able	8.66	3,160.90	9.10	18.15	20.70	22.90	25.10	27.30
Leading	9.47	3,456.55	9.94	19.25	22.10	24.50	26.90	29.30
PO	10.09	3,682.85	10.57	19.80	22.80	25.30	27.80	30.30
PO 0/2 years	10.25	3,741.25	10.57	19.80	22.80	25.30	27.80	30.30
PO 0/4 years	10.40	3,776.00	10.57	19.80	22.80	25.30	27.80	30.30
CPO	11.02	4,022.30	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.16	4,073.40	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.35	4,142.75	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.51	4,201.15	11.55	21.60	24.90	27.60	30.30	33.00

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 7								
Able	8.91	3,252.15	9.38	18.70	21.40	23.70	26.00	28.30
Leading	9.69	3,536.85	10.15	19.25	22.10	24.50	26.90	29.30
PO	10.31	3,763.15	10.85	19.80	22.80	25.30	27.80	30.30
PO 0/2 years	10.48	3,825.20	10.85	20.35	23.50	26.10	28.70	31.30
PO 0/4 years	10.62	3,876.30	10.85	20.35	23.50	26.10	28.70	31.30
CPO	11.25	4,106.25	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.38	4,153.50	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.57	4,223.05	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.74	4,285.10	11.83	21.60	24.90	27.60	30.30	33.00
Group 8								
Able	9.17	3,347.05	9.66	18.70	21.40	23.70	26.00	28.20
Leading	9.95	3,631.75	10.43	19.80	22.80	25.30	27.80	30.30
PO	10.57	3,858.05	11.13	20.35	23.50	26.10	28.70	31.30
PO 0/2 years	10.74	3,920.10	11.13	20.35	23.50	26.10	28.70	31.30
PO 0/4 years	10.88	3,971.20	11.13	20.35	23.50	26.10	28.70	31.30
CPO	11.51	4,201.15	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.64	4,248.60	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.83	4,317.95	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	12.00	4,380.00	12.11	21.60	24.90	27.60	30.30	33.00
Group 9								
Able	9.43	3,441.95	9.87	19.25	22.10	24.50	26.90	29.30
Leading	10.21	3,726.65	10.71	19.80	22.80	25.30	27.80	30.30
PO	10.83	3,952.95	11.34	20.35	23.50	26.10	28.70	31.50
PO 0/2 years	11.00	4,015.00	11.34	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.14	4,066.10	11.34	21.60	24.90	27.60	30.30	33.00
CPO	11.77	4,296.05	12.39	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.90	4,343.50	12.39	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	12.09	4,412.85	12.39	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.26	4,474.90	12.39	22.85	26.30	29.10	31.90	34.70
Group 10								
Able	9.69	3,536.85	10.15	19.25	22.10	24.50	26.90	29.30
Leading	10.47	3,821.55	10.99	20.35	23.50	26.10	28.70	31.30
PO	11.09	4,047.85	11.62	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.26	4,109.90	11.62	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.40	4,161.00	11.62	21.60	24.90	27.60	30.30	33.00
CPO	12.03	4,390.95	12.60	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	12.16	4,438.40	12.60	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.35	4,507.75	12.60	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.52	4,569.80	12.60	22.85	26.30	29.10	31.90	34.70
Group 11								
Able	9.94	3,628.10	10.43	19.80	22.80	25.30	27.80	30.30
Leading	10.72	3,912.80	11.27	20.35	23.50	26.10	28.70	31.30
PO	11.34	4,139.10	11.90	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.51	4,201.15	11.90	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.65	4,252.25	11.90	21.60	24.90	27.60	30.30	33.00
CPO	12.28	4,482.20	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.41	4,529.65	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.60	4,599.00	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.77	4,661.05	12.88	22.85	26.30	29.10	31.90	34.70

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 12								
Able	10.20	3,723.00	10.71	19.80	22.80	25.30	27.80	30.30
Leading	10.98	4,007.70	11.55	21.60	24.90	27.60	30.30	33.00
PO	11.60	4,234.00	12.18	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.77	4,296.05	12.18	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.91	4,347.15	12.18	21.60	24.90	27.60	30.30	33.00
CPO	12.54	4,577.10	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.67	4,624.55	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.86	4,693.90	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	13.03	4,755.95	13.16	22.85	26.30	29.10	31.90	34.70
Group 13								
Able	10.46	3,817.90	10.99	20.35	23.50	26.10	28.70	31.30
Leading	11.24	4,102.60	11.83	21.60	24.90	27.60	30.30	33.00
PO	11.86	4,328.90	12.46	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	12.03	4,390.95	12.46	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	12.17	4,442.05	12.46	22.85	26.30	29.10	31.90	34.70
CPO	12.80	4,672.00	13.44	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.93	4,719.45	13.44	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	13.12	4,788.80	13.44	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	13.29	4,850.85	13.44	24.10	27.70	30.60	33.50	36.40
Group 14								
Able	10.72	3,912.80	11.27	20.35	23.50	26.10	28.70	31.30
Leading	11.50	4,197.50	12.11	21.60	24.90	27.60	30.30	33.00
PO	12.12	4,423.80	12.74	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	12.29	4,485.85	12.74	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.43	4,536.95	12.74	22.85	26.30	29.10	31.90	34.70
CPO	13.06	4,766.90	13.72	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	13.19	4,814.35	13.72	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.38	4,883.70	13.72	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	13.55	4,945.75	13.72	24.10	27.70	30.60	33.50	36.40
Group 15								
Able	10.97	4,000.40	11.55	21.60	24.90	27.60	30.30	33.00
Leading	11.75	4,288.75	12.32	21.60	24.90	27.60	30.30	33.00
PO	12.37	4,515.05	13.02	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	12.54	4,577.10	13.02	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.68	4,628.20	13.02	22.85	26.30	29.10	31.90	34.70
CPO	13.31	4,858.15	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.44	4,905.60	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.63	4,974.95	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	13.80	5,037.00	14.00	24.10	27.70	30.60	33.50	36.40
Group 16								
Able	11.23	4,098.98	11.76	21.60	24.90	27.60	30.30	33.00
Leading	12.01	4,383.85	12.60	21.60	24.90	27.60	30.30	33.00
PO	12.63	4,609.95	13.23	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	12.80	4,672.00	13.23	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.94	4,723.10	13.23	22.85	26.30	29.10	31.90	34.70
CPO	13.57	4,953.05	14.28	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.70	5,000.50	14.28	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.89	5,069.85	14.28	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	14.06	5,131.90	14.28	24.10	27.70	30.60	33.50	36.40

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 17								
Able	11.49	4,193.85	12.04	21.60	24.90	27.60	30.30	33.00
Leading	12.27	4,478.55	12.88	22.85	26.30	29.10	31.90	34.70
PO	12.89	4,704.85	13.51	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	13.06	4,766.90	13.51	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	13.20	4,818.00	13.51	24.10	27.70	30.60	33.50	36.40
CPO	13.83	5,047.95	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.96	5,095.40	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	14.15	5,164.75	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	14.32	5,226.80	14.49	25.35	29.10	32.10	35.10	38.10
Group 18								
Able	11.75	4,288.75	12.32	21.60	24.90	27.60	30.30	33.00
Leading	12.53	4,573.45	13.16	22.85	26.30	29.10	31.90	34.70
PO	13.15	4,799.75	13.79	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	13.32	4,861.80	13.79	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.46	4,912.90	13.79	24.10	27.70	30.60	33.50	36.40
CPO	14.09	5,142.85	14.77	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	14.22	5,190.30	14.77	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	14.41	5,259.65	14.77	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	14.58	5,321.70	14.77	25.35	29.10	32.10	35.10	38.10
Group 19								
Able	12.00	4,380.00	12.60	22.85	26.30	29.10	31.90	34.70
Leading	12.78	4,664.70	13.44	22.85	26.30	29.10	31.90	34.70
PO	13.40	4,891.00	14.07	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	13.57	4,953.05	14.07	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.71	5,004.15	14.07	24.10	27.70	30.60	33.50	36.40
CPO	14.34	5,234.10	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.47	5,281.55	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	14.66	5,350.90	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	14.83	5,412.95	15.05	25.35	29.10	32.10	35.10	38.10
Group 20								
Able	12.26	4,474.90	12.88	22.85	26.30	29.10	31.90	34.70
Leading	13.04	4,759.60	13.72	22.85	26.30	29.10	31.90	34.70
PO	13.66	4,985.90	14.35	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	13.83	5,047.95	14.35	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.97	5,099.05	14.35	24.10	27.70	30.60	33.50	36.40
CPO	14.60	5,329.00	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.73	5,376.45	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	14.92	5,445.80	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	15.09	5,507.85	15.33	25.35	29.10	32.10	35.10	38.10
Group 21								
Able	12.52	4,569.80	13.16	22.85	26.30	29.10	31.90	34.70
Leading	13.30	4,854.50	14.00	24.10	27.70	30.60	33.50	36.40
PO	13.92	5,080.80	14.63	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	14.09	5,142.85	14.63	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	14.23	5,193.95	14.63	24.10	27.70	30.60	33.50	36.40
CPO	14.86	5,423.90	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.99	5,471.35	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	15.18	5,540.70	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	15.35	5,602.75	15.61	26.60	30.50	33.60	36.70	39.00

Rank	Pay Plus Allowances (MA $1.15, SA 70c, UA 28c, TOTAL = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 22								
Able	12.78	4,664.70	13.44	22.85	26.30	29.10	31.90	34.70
Leading	13.56	4,949.40	14.21	24.10	27.70	30.60	33.50	36.40
PO	14.18	5,175.70	14.91	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	14.35	5,237.75	14.91	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	14.49	5,288.85	14.91	25.35	29.10	32.10	35.10	38.10
CPO	15.12	5,518.80	15.89	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	15.25	5,566.25	15.89	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	15.44	5,635.60	15.89	26.60	30.50	33.60	36.70	39.00
CPO 0/6 years	15.61	5,697.65	15.89	26.60	30.50	33.60	36.70	39.00
Group 23								
Able	13.03	4,755.95	13.65	22.85	26.30	29.10	31.90	34.70
Leading	13.81	5,040.65	14.49	24.10	27.70	30.60	33.50	36.40
PO	14.43	5,266.95	15.12	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	14.60	5,329.00	15.12	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	14.74	5,380.10	15.12	25.35	29.10	32.10	35.10	38.10
CPO	15.37	5,610.05	16.17	26.60	30.50	33.60	36.70	39.00
CPO 0/2 years	15.50	5,657.50	16.17	26.60	30.50	33.60	36.70	39.00
CPO 0/4 years	15.69	5,726.85	16.17	26.60	30.50	33.60	36.70	39.00
CPO 0/6 years	15.86	5,788.90	16.17	26.60	30.50	33.60	36.70	39.00
Group 24								
Able	13.29	4,850.85	13.93	24.10	27.70	30.60	33.50	36.40
Leading	14.07	5,135.55	14.77	24.10	27.70	30.60	33.50	36.40
PO	14.69	5,361.85	15.40	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	14.86	5,423.90	15.40	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	15.00	5,475.00	15.40	25.35	29.10	32.10	35.10	38.10
CPO	15.63	5,704.95	16.38	26.60	30.50	33.60	36.70	39.00
CPO 0/2 years	15.77	5,752.40	16.38	26.60	30.50	33.60	36.70	39.00
CPO 0/4 years	15.95	5,821.75	16.38	26.60	30.50	33.60	36.70	39.00
CPO 0/6 years	16.12	5,883.80	16.38	26.60	30.50	33.60	36.70	39.00
Group 25								
Able	13.55	4,945.75	14.21	24.10	27.70	30.60	33.50	36.40
Leading	14.33	5,230.45	15.05	25.35	29.10	32.10	35.10	38.10
PO	14.95	5,456.75	15.68	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	15.12	5,518.80	15.68	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	15.26	5,569.90	15.68	25.35	29.10	32.10	35.10	38.10
CPO	15.89	5,799.85	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.02	5,847.30	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	16.21	5,916.65	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/6 years	16.38	5,978.70	16.66	26.60	30.50	33.60	36.70	39.80
Group 26								
Able	13.81	5,040.65	14.49	24.10	27.70	30.60	33.50	36.40
Leading	14.59	5,325.35	15.33	25.35	29.10	32.10	35.10	38.10
PO	15.21	5,551.65	15.96	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	15.38	5,613.70	15.96	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	15.52	5,664.80	15.96	26.60	30.50	33.60	36.70	39.80
CPO	16.15	5,894.75	16.94	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.28	5,942.20	16.94	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	16.47	6,011.55	16.94	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	16.64	6,073.60	16.94	27.85	31.90	35.10	38.30	41.50

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 27								
Able	14.06	5,131.90	14.77	24.10	27.70	30.60	33.50	36.40
Leading	14.84	5,416.60	15.61	25.35	29.10	32.10	35.10	38.10
PO	15.56	5,642.90	16.24	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	15.63	5,704.95	16.24	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	15.77	5,756.05	16.24	26.60	30.50	33.60	36.70	39.80
CPO	16.40	5,986.00	17.22	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.53	6,033.45	17.22	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	16.72	6,102.80	17.22	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	16.89	6,164.35	17.22	27.85	31.90	35.10	38.30	41.50
Group 28								
Able	14.32	5,226.80	15.05	25.35	29.10	32.10	35.10	38.10
Leading	15.10	5,511.50	15.89	25.35	29.10	32.10	35.10	38.10
PO	15.72	5,737.80	16.52	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	15.89	5,799.85	16.52	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.03	5,850.95	16.52	26.60	30.50	33.60	36.70	39.80
CPO	16.66	6,080.90	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	16.78	6,128.35	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	16.98	6,197.70	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.15	6,259.75	17.50	27.85	31.90	35.10	38.30	41.50
Group 29								
Able	14.58	5,321.70	15.33	25.35	29.10	32.10	35.10	38.10
Leading	15.36	5,606.40	16.10	26.60	30.50	33.60	36.70	39.80
PO	15.98	5,832.70	16.80	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	16.15	5,894.75	16.80	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.29	5,945.85	16.80	26.60	30.50	33.60	36.70	39.80
CPO	16.92	6,175.80	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	17.05	6,223.25	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	17.24	6,292.60	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.41	6,354.65	17.78	27.85	31.90	35.10	38.30	41.50
Group 30								
Able	14.84	5,416.60	15.68	25.35	29.10	32.10	35.10	38.10
Leading	15.62	5,701.30	16.38	26.60	30.50	33.60	36.70	39.80
PO	16.24	5,927.60	17.08	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	16.41	5,989.65	17.08	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.55	6,040.75	17.08	27.85	31.90	35.10	38.30	41.50
CPO	17.18	6,270.70	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	17.31	6,318.15	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	17.50	6,387.50	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.67	6,449.55	18.06	29.10	33.30	36.60	39.90	43.20
NAVAL DOCKYARD POLICE								
Constable on entry ..	9.69	3,536.85	10.15	19.25	22.10	24.50	26.90	29.30
Constable 0/2 years ..	10.47	3,821.55	10.15	20.35	23.50	26.10	28.70	31.30
Constable 0/6 years ..	11.09	4,047.85	10.15	21.60	24.90	27.60	30.30	33.00
Constable 0/8 years ..	11.26	4,109.90	10.15	21.60	24.90	27.60	30.30	33.00
Constable 0/10 years ..	11.40	4,161.00	10.15	21.60	24.90	27.60	30.30	33.00
Sergeant II	12.03	4,390.95	12.60	21.60	24.90	27.60	30.30	33.00
Sergeant II 0/2 years ..	12.16	4,438.40	12.60	22.85	26.30	29.10	31.90	34.70
Sergeant I	12.35	4,507.75	12.95	22.85	26.30	29.10	31.90	34.70
Sergeant I 0/2 years ..	12.52	4,569.80	12.95	22.85	26.30	29.10	31.90	34.70

Rank	Pay Plus Allowances (MA $1.15, SA 70c, UA 28c, TOTAL = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
Recruit	7.77	2,836.05	8.19	17.60	20.00	22.10	24.20	26.30
ORD, on promotion ..	7.77	2,836.05	8.19	17.60	20.00	22.10	24.20	26.30
ORD after 6 months in rank ..	7.93	2,894.45	8.33	17.60	20.00	22.10	24.20	26.30
AB 2nd Class after total of 6 months service from PROM to ORD	7.93	2,894.45	8.33	17.60	20.00	22.10	24.20	26.30

Note: Where a member has a wife and five or more children an amount equal to the difference between:

a. The scale of normal living costs for a member, wife and three children, and

b. The scale of normal living costs for a member, wife and four children,

is to be added to b. for each child in excess of four in assessing the scale of normal living costs.

(HPB 252/4/65)

(*Navy Order 675/69*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

ANOs 247/70-259/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 June 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

16204/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

247/70—Interservice Responsibilities for Air Defence

1. The following responsibilities for Air Defence, having been approved by the Chiefs of Staff Committee, are promulgated for the guidance of all concerned.

Introduction

2. Air Defence is a complex union of many sub-systems, all of which are complementary and combine to achieve the aim. The overall policy direction of the Air Defence system is the responsibility of the Chiefs of Staff Committee.

3. Implementation of the Air Defence policy is primarily a role of the RAAF. There is a requirement for defining the responsibilities of all the Services in providing elements of the Air Defence system.

4. Air Defence definitions will be found in JSP (AS) 101.

Object

5. The object of this order is to outline the responsibilities of each of the three Services for the air defence of Australia, its Territories and forces deployed overseas.

Responsibilities for Air Defence

6. Responsibility for the air defence of Australia, its Territories and forces deployed overseas is as follows:

a. The Chief of the Air Staff is responsible to the Chiefs of Staff Committee for the air defence of Australia and its Territories.

b. The Chief of Naval Staff is responsible to the Chiefs of Staff Committee for air defence of sea communications outside Air Defence Operations Areas.

c. Each Service Board is responsible for the organisation, command, training and administration of the components of its Service employed in air defence.

d. The Chief of the Air Staff is to appoint an Air Defence Commander for Australia and its Territories.

e. Air defence within Australia and its Territories will be carried out within Air Defence Operations Areas (ADOAs).

f. Within those ADOAs the components of the Air Defence system may include:

(1) low-cover, early-warning and ground-controlled interception radars;

(2) control and reporting (CARU) units;

(3) fighter aircraft;

(4) surface-to-air weapons system, both missiles and guns;

(5) communications and data-link systems;

(6) appropriate electronic-warfare units; and

(7) Air Defence intelligence facilities.

g. Air Defence plans for ADOAs will be submitted to the Chief of the Air Staff and then to the Chiefs of Staff Committee. The number of the ADOAs and the composition of the air defence within each of these ADOAs will be detailed in these plans.

h. For designated ADOAs, the Air Defence Commander will appoint an Area Air Defence Commander. All elements of an Air Defence system, irrespective of the Service responsible for their provision will, on allocation to an ADOA be placed under the operational control of the Area Air Defence Commander for the purpose of directing and co-ordinating their operational activities and preventing mutual interference between friendly air and Air Defence forces.

i. In cases where the air threat to the area of responsibility of a Joint Force Commander appointed by the Chiefs of Staff Committee requires establishment of an Air Defence Operations Area, the RAAF Commander (Air Component Commander) will be appointed Area Air Defence Commander under the operational command of the Joint Force Commander.

j. In overseas areas, when Australian Forces are operating as part of a larger Allied Force, a suitable contribution to allied air defence arrangements may be provided. Directives for the command, training and administration of these forces, when assigned, will be issued as appropriate by the Chiefs of Staff Committee.

k. The allocation of responsibilities is not, in itself, authority for the provision of resources. These will be provided taking into account threat, priorities and overall resources available.

Division of Responsibility Between the Services

7. Service responsibility for the elements required for air defence is as follows:

a. *Air Force*

(1) aircraft;
(2) control and reporting units;
(3) low-cover and early-warning radar units;
(4) electronic-warfare units;
(5) area defence, surface-to-air missile systems;
(6) Air Defence intelligence; and
(7) co-ordination of IFF policy.

b. *Army*

(1) mobile, point defence, surface-to-air weapon systems for close defence against low-level air reconnaissance or attack;
(2) early-warning radar units required to support Army mobile surface-to-air weapons; and
(3) personnel and communications required in the Army component of RAAF control and reporting units.

c. *Navy*

The Navy is responsible for the air defence of sea communications but is not responsible for the provision of components specifically for overall air defence. However, the Air Defence facilities on naval ships may be made available to the Air Defence Commander and when operating within a designated ADOA ships are to co-ordinate their Air Defence activities with the Air Defence Commander.

d. *All Services*

Each Service is responsible for:

(1) providing communications compatible with inputs to and from appropriate units of other Services;

(2) providing passive defence measures for its own installations;
(3) electronic-warfare devices appropriate to their responsibility in air defence; and
(4) the exchange of Air Defence information with other Services where appropriate.

8. Navy Order 197/67 is hereby cancelled.

(D of P 1600/3/77)

(*Navy Order 197/67*)

UNCLASSIFIED

248/70—Safety—Safety Orders for Power Boats

1. An amended version of Form T1151 is attached as an annex to this order. Copies, suitable for display, are to be demanded from SVSO, Pyrmont, supply being effected when printing has been completed.

2. Attention is drawn to RI Article 3142 and the requirement for a daily inspection of all power boats.

3. Navy Order 93/67 is hereby cancelled.

ANNEX A

Safety Orders for Power Boats

1. **Inspections:** A daily inspection of all power boats is to be made by the coxswain and driver in accordance with an approved check off list. The result of the inspection is to be reported to the OOW by the coxswain on completion. A weekly inspection by an officer accompanied by the coxswain or driver is also to be carried out. Inspections are to include the following:

a. *Fire Fighting Equipment:* inspect to see that the proper fire fighting equipment is on board.

b. *Life Saving Equipment:* inspect to see that the proper outfit of life saving equipment is on board.

c. *Bilges and Sumps:* inspect before starting the engine and if not dry and free from vapour and oil they are to be pumped out, dried and ventilated.

d. *Engine Space Bulkheads:* inspect for tightness in bilges in order to prevent liquid and gas from passing into adjacent compartments.

e. *Fuel Pipes and Tank Fittings:* inspect for loose fittings or leaky joints.

f. *Electrical:* inspect to see that all leads and connections are in place, secured and properly insulated.

g. *Boat Recall Signal:* inspect and see that a copy of the boats recall signal is prominently displayed.

h. *Navigation Equipment:* inspect to see that proper lights and sound making apparatus are on board and in working order.

i. *Bungs:* inspect to ensure that they are in place and screwed home.

2. **Fuelling/Defuelling:** The coxswain is to be on board during fuelling or defuelling and is responsible that the following precautions are taken:

a. All main and auxiliary engines are to be stopped and fuel supply cocks shut. However, in boats fitted with bilge exhaust blowers and gas detection systems, blowers may be run while boat is being refuelled.

b. All naked lights are extinguished and no smoking takes place. For this purpose transistorised equipment operating is regarded as a naked light.

c. In the case of petrol boats fuel hoses are to be properly grounded prior to commencement of fuelling. No electrical switches or connections are to be altered until the boat has been checked gas free by a responsible officer or sailor on completion of fuelling or defuelling. An explosi-meter or other approved gas detecting device is to be used.

d. Bilges are to be examined before and after fuel transfers and any flammable materials removed.

e. All practical steps are to be taken to prevent leakages of fuel.

f. Fuel tank breathing pipes are to be inspected to ensure that gauzes are clean and undamaged.

g. Guard against over-filling.

h. Boats should preferably be fuelled in daylight only and with the boat in the water. They are never to be fuelled with passengers embarked.

i. One member of the crew is to stand by with a CO_2 extinguisher ready for use throughout fuelling or defuelling.

j. Before starting the engine after refuelling ensure complete absence of oil or fuel or vapours in the bilges or engine compartments. A check with an explosi-meter or other approved gas detecting device is to be made if petrol has been embarked or discharged.

3. **Fire Precautions:** All members of a power boats crew are to have a thorough knowledge of the safety precautions pertaining to the use and handling of petrol and diesel fuels and the prevention of fires in boats. They must be capable of operating the fire fighting equipment fitted in the boat. In addition:

a. Smoking, the use of matches, naked lights or transistorised equipment in any engine compartment of a Service boat and in any part of a petrol engined boat is prohibited.

b. Automatic lighters or non-safety matches are not to be carried in engine compartments.

c. Flammable liquids are not to be used for engine cleaning purposes.

d. Cleaning gear is to be stowed in the locker provided for this purpose.

4. **General:** Good housekeeping in a power boat is essential for the protection of personnel and material. Special attention is to be paid to:

a. General boat cleanliness.

b. Dry and clean bilges. Absence of fuel vapour.

c. Maintenance of fire fighting equipment.

d. Maintenance of life saving equipment.

e. Prompt reporting of any defects.

5. **Boat Capacity:** At no time shall the boat carry more than the authorised load of passengers, stores or combination of both.

6. **Boats Crew:** All members of the boats crew must be able to swim.

EQUIPMENT CHECK LIST

THIS NOTICE IS TO BE DISPLAYED PROMINENTLY IN ALL POWER BOATS

Firefighting Equipment		*Life Saving Equipment*	
Type	Stowage	Type	Stowage

Navigation Equipment

This Boat's Recall Signal and Callsign is		*Boat Capacity*		
Visual (Draw Flag)	Voice	Personnel (incl. crew)	Stores (in lbs.)	Max. Weight (in lbs.)
		Calm		
		Medium		
		Rough		

(DFM 464/69/9)

(Navy Order 93/67)

RESTRICTED

249/70—Security Clearances—Processing Time

1. A security clearance is issued on behalf of the Chief of Naval Staff or Secretary, Department of the Navy, following completion of the necessary security and character checks.

2. The Australian Security Intelligence Organisation assists the RAN and the Department of the Navy in advising, on security grounds, on the issue of a particular level of security clearance.

3. The level of clearances required determines the depth of checking necessary and therefore the time involved.

4. The following periods are the average which ASIO require to complete a check when a change in security clearance level is required:

Primary Clearance	up to 2 weeks
Secret Clearance	up to 2 weeks
Intermediate Clearance	up to 5 weeks
Top Secret Clearance	up to 6 weeks

5. It is emphasised the above periods are average figures only. The time is invariably increased when unusual circumstances prevail, eg, relatives resident overseas, the applicants place of birth is overseas, etc.

6. Additionally the requirements of ACB 0328 (1969) Articles 0315-0318 must be fully complied with and all the details required on Personal Particulars Form CDO4664 (KE106) must be supplied. Too frequently checks are delayed by failure to provide wifes or mothers maiden name, certificate of notification of marriage or re-marriage, etc. Processing of checks cannot begin until all the necessary information is collated in Navy Office.

7. Officers initiating security clearance action should bear in mind the above periods when planning allocation of duties within ships, establishments or departments.

(DNI 1617/4/11)

Section 2

PERSONNEL

UNCLASSIFIED

250/70—Applications for Discharge

All applications for 'Free' discharge are to be forwarded promptly to the Naval Board whether they are recommended or not. Where an application has not been forwarded within 14 days of initial request the sailors request is to be forwarded together with a letter stating the reasons for the delay.

(HPB 320/1/26)

RESTRICTED

251/70—HMA Ships Accompanying HMAS MELBOURNE—Service in Strategic Reserve

1. Ships proceeding in support of HMAS MELBOURNE during her annual tour of duty in the Strategic Reserve are to be declared as temporarily attached to the Strategic Reserve.

2. Members serving on ships so attached will qualify for allowances and benefits under the same conditions as members serving on ships allocated for service with the Strategic Reserve.

3. Navy Order 231/67 is hereby cancelled.

(HPB 252/201/26)

(*Navy Order 231/67*)

UNCLASSIFIED

252/70—Income Tax—Section 79B—Overseas Locality Allowance

1. Section 79B authorises a special deduction for members of the Defence Force who serve at certain overseas localities. The maximum amount of the special deduction is $540 plus half the sum of the income tax deductions to which a member is entitled for the maintenance of his dependants. The maximum deduction is only available if a member spends more than one half of the year of income in a declared locality. For any shorter period, a proportionate amount of the maximum deduction is available, calculated on the basis of the time actually spent in a declared area during the year of income.

2. The areas which have been defined for the purpose of Section 79B are as follows:

a. Malaysia, Brunei and contiguous waters to a distance of 100 nautical miles seaward of the coast;

b. Singapore;

c. Thailand;

d. Vietnam (Southern Zone) and waters to a distance of 100 nautical miles seaward of the coast.

3. The periods for which eligible members are entitled to claim the concession under Section 79B will be shown on taxation group certificates as 'Overseas locality' followed by the period or the number of days. The amount to be claimed on the return of income is calculated in the following manner:

$$\frac{\text{Number of days in Overseas locality (obtained from group certificate)}}{\text{182 (ie, number of days in half year)}} \times \left\{ 540 + \tfrac{1}{2} \text{ of the deductions allowed for dependants} \right.$$

4. In the normal course of events eligible personnel are those who serve in ships attached to the Strategic Reserve. However, as the concession under Section 79B is applicable when service in a prescribed area is a matter of fact and is not dependent on being allocated or posted to the area, it follows that members with service in any HMA ships which operates in a prescribed area are eligible to claim the concession.

5. In order that Navy Office records of periods of service by members in prescribed areas may be kept up to date Commanding Officers of ships are requested to report by signal for the information of the Director of Navy Accounts dates of arrival at and departure from prescribed overseas localities.

6. This order will be reprinted for posting on notice boards.

7. Navy Orders 284/67 and 263/68 are hereby cancelled.

(HPB 271/1/75)

(*Navy Orders 284/67 and 263/68*)

UNCLASSIFIED

253/70—Submarines—Nominal List and Casualty Procedure

1. This order explains the procedures for maintaining submarine nominal lists and reporting submarine casualties.

Nominal Lists

2. The Commander, First Australian Submarine Squadron, HMAS PLATYPUS, is responsible for the maintenance of:

a. up-to-date next-of-kin (nominal) lists of personnel serving in each submarine under his command; and

b. a Squadron nominal list.

Submarine Nominal Lists

3. The following procedure is to be carried out:

a. Before proceeding to sea the Commanding Officer of a submarine is to ensure that the Squadron Commander has the submarines nominal list. A duplicate list is to be kept in the submarine. Each entry is to be identified by a serial number.

b. The Commanding Officer of a submarine is to amend the nominal list when necessary. When a submarine is detached from the squadron for an extended period, amendments to the nominal list are to be sent by letter to the Squadron Commander. The Squadron Commander is to acknowledge receipt of nominal list amendment letters by signal, when the nominal list has been amended.

c. At each time of sailing, the Commanding Officer is to inform the Squadron Commander by priority signal of amendments to the submarines nominal list. Each signal is to stand on its own and is not to be in the form of an amendment to a previous signal with the sole exception that when personnel are transferred at sea, an amendment to the signal made on proceeding to sea may be employed. Signals are normally to be unclassified but may be classified for operational reasons. Signals are to be serially numbered as directed by the Squadron Commander and are to be in the following format:

(1) serial numbers and surnames of any entries in the nominal list referring to persons who are not on board;

(2) particulars of all persons on board who are not included in the nominal list, particulars include relationship, title, names and addresses of next-of-kin. (Nominal list amendment signals are to include any permanent amendments forwarded by letter until the Squadron Commander has acknowledged the amendment letter. Nil reports are required.)

Squadron Nominal List

4. In order to inform Navy Office of the actual persons on board a missing or sunken submarine with a minimum delay the following is to apply:

a. The Squadron Commander is to supply Navy Office with a list of all SM qualified personnel in HMAS PLATYPUS and in submarines of the Australian Squadron with next-of-kin serial numbers, to be known as the Squadron Nominal List.

b. Amendments to the list are to be reported to Navy Office by signals, serially numbered.

c. On initiation of SUBMISS/SUBSUNK operations the Squadron Commander is to send a (Restricted) signal, precedence immediate to ACNB info COMAUSFLT in the following format:

(1) SUBMISS/SUBSUNK, name of submarine, Squadron nominal list dated , amendment No refers.

(2) Serial numbers and surnames of personnel on board who are listed in the Squadron nominal list in clause (1) above.

(3) Full particulars of personnel and next-of-kin details of additional personnel on board who are not listed in the Squadron nominal list.

Casualty Procedure

5. The Squadron Commander is responsible for informing next-of-kin if SUBMISS/SUBSUNK operations are necessary, but the Naval Board will decide when they are to be informed. The next-of-kin will be informed by telegram as follows:

a. SUBMISS/SUBSUNK situation but hope remains and search is continuing:

'I have to inform you that your husband/son/brother (rank, name) is on board HMAS (name of submarine) at present missing on operations and for which a search is proceeding STOP you will be kept informed of developments STOP For further information ring Sydney 9297933 STOP'.

b. If a submarine is subsequently found to be safe:

'I am happy to inform you that alarm for safety of HMAS (name of submarine) was due to (communications breakdown) STOP The submarine is now known to be safe (and is continuing with her planned programme) STOP'.

c. In SUBSUNK situation, hope and search abandoned:

'I regret to inform you that your husband/son/brother (rank, name) is on board HMAS (name of submarine) which must now be presumed lost STOP For further information ring Sydney 9297933 STOP'.

6. The above procedures will be incorporated in RI Articles 1601 and 5243.

(HPB 465/3/232)

UNCLASSIFIED

254/70—Uniform and Cash Requirement—Personnel Committed to a Military Corrective Establishment

1. The scale of kit of sailors committed to a Military Corrective Establishment is amended by the addition of the following items:

Catalogue No	*Item*	*Denom*	*Qty*
20343	Brush, clothes	No	1
20851	Comb, hair	No	1
21101-8	Drawers, poplin, short	Pr	1
21511	Handkerchief, white	No	6
22026-30	Pyjamas, heavyweight or	Pr	2
22061-4	Pyjamas, lightweight		
23564-71	Undershirt, cotton (style I)	No	1

2. A member committed to 1 MCE should be in possession of approximately $2.00, in order that he may purchase tobacco, toothpaste, etc. An advance of $2.00 against the sailors pay account will be made, if necessary.

3. ABR 93, Part 1, Chapter 31, Article 3, and Part II, Section 2, Scale 10B, and ABR 18, Article 4002, will be amended.

(D of V 321/1/55)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

255/70—Boilers, Auxiliary—John Thompson La Mont Type—Precautions—River Class DEs

1. Repeated failures have occurred in the above auxiliary boilers fitted to RN ships and it has become apparent that the automatic safety devices fitted to the boilers cannot be wholly relied upon to prevent accidents. In future, therefore a watchkeeper is to be employed with the sole duty of watching the boiler whenever it is in use. This must be accepted as part of the harbour watchkeeping load: no increase of complement can be considered.

2. In addition to the instructions contained in BR 2111 (4), 1965, the following supplementary instructions are promulgated:

a. *Restart after DP Unit Shut Down:* The boiler should be kept shut down (by putting the Start/Stop switch to 'Stop' if necessary) until the cause of the shut-down has been discovered and rectified.

Note: The boiler will restart on the restoration of the differential pressure unless action is taken to prevent it.

b. *Fuel Leakage:* Leakage through the fuel distribution valve and a shut down sprayer into the furnace, or through a sprayer connection onto the plates are frequent. Careful watch must be kept for such leaks; the boiler is to be shut down unless the leaks can be stopped at once.

c. *Boiler Room Air Pressure:* Failure to keep a positive air pressure in the Boiler Room may result in flash-backs on flashing up or shutting down. It is, therefore, important to keep a small positive air pressure in the Boiler Room whenever the auxiliary boiler is running. The speeds of the Boiler Room ventilation fans are to be adjusted accordingly; in particular the ventilation exhaust fan should not be run unless the supply fans are running.

3. Accumulations of soot form a serious fire risk; there is particular risk of fire when the boiler is operated on two burners for the first time after prolonged running on one burner. Accumulations of soot also increase the resistance to flow of the uptake gases, thus reducing the available pressure drop across the boiler, reducing its efficiency and increasing the possibility of flash-back. The uptakes are to be inspected and swept sufficiently frequently to prevent accumulation of soot. Where existing access arrangement to the uptakes does not permit this, additional access doors should be fitted by defect list action, quoting this order as authority.

4. Navy Order 70/67 is hereby cancelled.

(DFM 400/202/287)

(*Navy Order 70/67*)

RESTRICTED

256/70—HMA Submarines Introduction of New Buoy/Radio Nomenclature Group/Class 0625

1. To avoid confusion between the various antennae and the buoys which carry them it has been decided to give the buoys a separate nomenclature.

2. The agreed nomenclature is listed in Annex A.

3. The handling gear associated with the buoy should be identified by the buoy nomenclature, eg, 0010 Handling Gear instead of ALK Handling as heretofore.

4. The 0010 Handling Gear, when modified to handle 0040 (formerly ALQ) buoys, should be be referred to as 0010/0040 Handling Gear.

5. The new nomenclature should be used forthwith.

ANNEX A

Buoy Designation		*Antenna/Radio Unit*
New	*Old*	
0010	ALK buoy	ALK (1) ALK (2)
0011	ALK buoy (modified)	ALK (3)
0020	0020 unit	ALK (3)
0030	ALP buoy	ALQ
0050	Indicator buoy (existing)	609/639
0060	30″ diameter indicator buoy	639
0070	34″ diameter indicator buoy	639

Notes: 1. The fourth digit in the new buoy nomenclature is used when a buoy has a major modification which makes it incompatible with the original buoy, ie, the ALK (1)/ALK (2) cannot be fitted in the 0011 buoy nor can the ALK (3) Antenna be fitted in the 0010 buoy.

2. Any future buoy systems would be designated in a continuation of the same series, ie, 0080, 0090, 1010, etc.

(DNS 1218/251/276)

UNCLASSIFIED

257/70—RAN Preservation Plants—Identification of Work

1. Facilities for treating equipment with hot strippable coatings, air-evacuated polythene enveloped packs and other methods of preservation exist in the following ships and establishments:

Machinery and Spares Depot, Randwick, NSW

HMA Naval Dockyard, Williamstown, VIC

HMAS STALWART

HMAS TARANGAU

2. As from the date of receipt of this order identification symbols are to be adopted, as follows, to identify items dealt with in the abovementioned installations:

Randwick	R
Williamstown	W
STALWART	S
TARANGAU	T

3. The identification symbol is to be included on a tally, quite separate from the stores identification number, and followed by the last two digits of the year of preservation; eg, 'R70' would identify an item preserved at Randwick during 1970.

4. It is not intended to include other establishments, having relatively minor preservation facilities, in this identification system at present.

(DSAP 400/1/807)

UNCLASSIFIED

258/70—Refit Reports

1. To enable Navy Office Records to be updated with minimum delay and also to provide a 'feed-back' of refitting data to be used to modify long range programmes, it has been decided that signalled reports are to be made by the Refitting Authority at the start and finish of a ships refit. The report at the beginning of the refit is to be sent on the day the refit starts and is to give the estimated expenditure in man hours and dollars for the various dockyard trade groups, and dollars only for contract work. It is also to state the planned completion date and the estimated percentage on a man hour basis of defects that will not be undertaken. The report at the end of the refit is to be sent as soon as possible after the end of the refit and preferably on the day on which the post refit meeting is held. It is to report the original planned completion date, and the expenditure in man hours and dollars against the various dockyard trade groups, and the total contract commitment in dollars. A brief summary of the causes for any change in the completion date and any major work committed but not completed is also to be given.

2. Annex A shows pro forma covering Commencement and Completion Reports.

ANNEX A

1. **Refit Commencement Report**

From: (Refitting Authority)

To: ACNB

Information: COMAUSFLT, (Ship concerned), (Other Authorities concerned (eg, GOSIEAA, CSS Sydney))

Classification: (Normally Restricted)

(Ships name) BEGAN REFIT..... (date) PLANNED TO COMPLETE..... (date)

ESTIMATED EXPENDITURE	MAN HOURS AND	DOLLARS
1. SHIP	.....	$.....
2. MECHANICAL	.....	$.....
3. ELECTRICAL	.....	$.....
4. ELECTRONICS	.....	$.....
5. WEAPONS	.....	$.....
6. DOCK	.....	$.....
7. PLANT (eg, hire costs)	.....	$.....
8. SERVICES	.....	$.....
9. TOTAL DOCKYARD	.....	$.....
10. CONTRACT	.....	$.....

2. **Refit Completion Report**

From: (Refitting Authority)

To: ACNB

Information: COMAUSFLT, (Ship concerned), (Other Authorities concerned (eg, GOSIEAA, CSS Sydney))

Classification:

1..... (Ships Name) COMPLETED REFIT..... (date)

ORIGINAL PLANNED COMPLETION..... (date)

Expenditure To..... (date) In Man Hours and Dollars

1. SHIP	.....	$.....
2. MECHANICAL	.....	$.....
3. ELECTRICAL	.....	$.....
4. ELECTRONICS	.....	$.....
5. WEAPONS	.....	$.....
6. DOCK	.....	$.....
7. PLANT	.....	$.....
8. SERVICES	.....	$.....
9. TOTAL DOCKYARD	.....	$.....
10. CONTRACT COMMITMENT	.....	$.....

2. REMARKS (Brief reasons for amendment of completion date if date not the planned date).

(DOD 1424/1/82)

UNCLASSIFIED

259/70—Torpedoes—Transfers Between RANTE, RANADs and HMA Submarines

1. To facilitate accounting for torpedoes in HMA submarines the procedures detailed hereunder are to be observed for the transfer of MK8 and MK23 Torpedoes between the RAN Torpedo Establishment, RAN Armament Depot and the submarines, as from the date of receipt of the undermentioned RLEs.

2. Items comprising the abovementioned torpedoes are detailed in Establishment Lists, RLE Nos 91-94 which are in course of promulgation. For accounting purposes the relevant RLE number is to be utilised as the catalogue number.

3. **Action Torpedoes** are to be issued as a single item, ie, a torpedo complete with all the items which will be fired with it, as follows:

a. the portion of the torpedo assembled at RANTE is to be brought on charge in RANTE as 'Torpedo, Action, complete, less warhead and associated components'. Form SS7, Survey, Transfer and Conversion Voucher, is to be utilised for this purpose;

b. the torpedo is to be issued by RANTE to RANAD, Newington, on Form SX22, Local Issue Voucher (LIV), which is to be clearly endorsed with the name of the submarine for which the torpedo is being provided. Separate LIVs are also to be raised and forwarded to RANAD for items which are to be issued separately in accordance with the RLE, ie, those items which will not be fired with the torpedo, eg, propeller guard, propeller clamp and spare cable, as appropriate;

c. the torpedo and items to be issued separately are to be taken on charge in Newington and issued to the workshop for attachment of the warhead, etc, in accordance with existing procedures;

d. on completion of assembly, the torpedo is to be accounted for by RANAD as a, Torpedo Action, complete, as per RLE No (as appropriate) and issued as such to the submarine on a LIV. Separate LIVs are also to be raised and forwarded to the submarine for the items to be issued separately vide b above;

e. on receipt in the submarine, the 'Torpedo, Action, complete' is to be taken on charge as a single item. Items issued separately are to be accounted for in the normal manner;

f. the procedure outlined above will operate in reverse for action torpedoes and separate items being returned, except in the event that an action torpedo is fired, the items issued separately are to be returned direct to RANTE.

4. **Practice Torpedoes** are to be dealt with as follows:

a. where it is known that the issue is for a short period only, eg, two weeks or less, a new form titled 'Transfer of Practice Torpedoes to Submarines' is to be used in conjunction with LIVs. A specimen of the form is included as Annex A to this order and pending availability of supplies of printed forms, requirements are to be produced locally by RANTE for use in accordance with the following procedures:

(1) LIVs are to be raised and processed in the normal manner for the items to be issued separately in accordance with the relevant RLE;

(2) all other items being transferred vide the RLE are to be entered on the 'transfer' form which is to be prepared in triplicate by RANTE. Copies are to be numbered 1, 2 and 3, and a registered number is to be allocated and endorsed on each form;

(3) the three copies of the 'transfer' form are to be forwarded to the submarine and a receipt is to be given on all copies by the submarine officer concerned;

(4) copy No 3 is to be retained by the submarine and copies Nos 1 and 2 are to be returned to RANTE. No entries are to be made in the submarines account;

(5) on return of the torpedo to RANTE, items are to be checked against copy No 1 of the form and surveyed. If all items are received, copy No 2 is to be receipted and returned to the submarine where it is to be attached to copy No 3 and retained as a record of the transaction;

(6) if any item is deficient, copies Nos 1 and 2 of the form are to be endorsed with details of the missing item for which a LIV is to be raised. Copy No 2 of the 'transfer' form is to be receipted and returned to the submarine with copies Nos 3 and 4 of the LIV. The submarine is to acquit the LIV, take on charge the relevant item and initiate appropriate write off action in accordance with ABR 4, RAN Storekeeping Manual, Chapter 14;

(7) in the event that the complete torpedo is lost during an exercise, a LIV is to be raised by RANTE for the missing 'Torpedo, Practice, complete, as per RLE No (as appropriate)' and cross-referenced to the 'transfer' form. Copy No 2 of the 'transfer' form, suitably endorsed and copies Nos 3 and 4 of the LIV are to be forwarded to the submarine for action as detailed in (6) above;

(8) if return of a practice torpedo is unduly delayed, action as at (7) above is to be taken;

b. where it is known that a torpedo will be required for a period in excess of two weeks the following action is to be taken:

(1) the torpedo and components which will be fired with it are to be brought on charge by RANTE as a 'Torpedo, Practice, complete, as per RLE No (as appropriate)' Form SS7, Survey, Transfer and Conversion Voucher, is to be utilised for this purpose;

(2) the complete torpedo is to be issued to the submarine on a LIV. Separate LIVs are to be raised for items to be issued separately vide the RLE;

(3) on receipt in the submarine normal accounting action is to be taken;

(4) normal return and/or write off procedures are to be observed for practice torpedoes in this category.

5. ABR 4 will be amended.

RESTRICTED

ANNEX A

TRANSFER OF PRACTICE TORPEDOES TO SUBMARINES

Transferred by RANTE to HMAS.....Date.....REG No.....

Group Class	*Catalogue No.*	*Description*	*Serial No.*	*Qty Issued*	*Qty Return*	*Serial No.*	*Condition on Return*			

Issue authorised	Received the abovementioned items	I/We have surveyed the above stores, find the conditions as stated and consider such condition to be due to fair, wear and tear except as follows	Received the above items
RANTE Representative / /19	Ships Representative / /19	Signature / /19	RANTE Representative / /19

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra (DSAP 716/51/48)

RESTRICTED

ANOs 260/70-265/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
12 June 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

260/70—Naval Agent—Lae

1. Lieutenant B. Farthing, RANER, has been appointed Naval Agent, Lae. The following particulars are relevant:

a. Business Address	c/o Mobil Oil New Guinea Ltd PO Box 97 LAE
b. Private Address	PO Box 1152 LAE
c. Business Telephone	LAE 2301
d. Private Telephone	LAE 2205
e. Address to which telegrams should be sent	PO Box 97 LAE

2. Lieutenant Farthing served with the RAN from 1951 to 1961 as a short service officer in the Fleet Air Arm. During this period he was attached to 724, 805, 808 and 816 Squadrons both ashore and embarked on HMAS MELBOURNE.

3. Request for services at Lae should include NOIC Papua New Guinea as an information addressee and should be made by letter if time permits.

(AS (NS) 2/204/54)

Section 2

PERSONNEL

UNCLASSIFIED

261/70—Australian Sea Cadet Corps—Introduction of the Cadet Officer Rank

1. The Naval Board has approved to introduce the rank of Cadet Officer in RANR School Cadet units and, to conform with the policy which will apply when the amalgamation of the RANR School Cadets and the ASCC is accomplished, ASCC regulations relating to the appointment of Cadet Sub-Lieutenants in school units have been amended.

2. With effect from 5 March 1970, a cadet in an ASCC school unit, or in the section of a unit formed in a school, or in an RANR School Cadet unit may be promoted to the rank of Cadet Officer ASCC.

3. A Cadet Officer has rank and command only within the Cadet Force. He is a subordinate officer of Gunroom status, and for comparative purposes ranks with, but after, a Cadet Midshipman RAN. He is not an adult member of the Cadet Force, neither is he a Wardroom officer, but when posted to an HMA ship or establishment with Cadets, he is to be accommodated in the Wardroom if Gunroom accommodation is not available.

4. He is not, while in uniform, to be sold or supplied with intoxicating liquor except by direction of a qualified medical practitioner.

5. It is not intended that a Cadet Officer shall be saluted by adult members of the Cadets or by members of the Naval Forces, but he is to be saluted by Cadets.

6. The Commanding Officer of a cadet unit referred to in Paragraph 2 above, in conjunction with the Headmaster of the school, is to recommend suitable senior cadets to the Senior Officer. Cadets selected by the Senior Officer for Cadet Officer training will be required to carry out a Cadet Officers Course.

7. Cadet Officers will be appointed by the Director of Naval Reserves, subject to vacancies, from recommended cadets successfully completing the course. A Certificate of Appointment will be issued.

8. Cadet Officer is the highest rank to which a Cadet may be promoted.

9. A Cadet Officer will be issued with uniform kit to the scale approved for an adult officer. He will not wear distinctive lace on his undress coat or shoulder straps.

10. ASCC Instructions will be amended in due course.

(DRNP 302/53/478)

UNCLASSIFIED

262/70—Fees and Allowances for Part-time Medical Services and Ancillary Medical Services

Navy Order 857/68 is to be amended as follows:

Annex B

Column Fee

Item 1B. *Delete* $2.50 and $2.85, *insert* $2.75 and $3.00.

The above changes are effective on and from 1 January 1970.

(MDG 327/61/43)

(*Navy Order 857/68*)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

263/70—Introduction and Scale of New Small Arms Weapons for RAN Ships and Establishments

Confidential Navy Order 14/69 as amended by Confidential Navy Order 33/69 and Australian Navy Order 792/69 is to be amended as follows:

Annex A

Delete existing Table 5 (Scale of Small Arms provided for ships) and Table 6 (Scale of Small Arms provided for shore establishments) and *insert* revised Table 5 and 6 of this order.

ANNEX A

Table 5—Scale of Small Arms Provided for Ships

HMA Ships	*Rifle L1A1*	*Rifle L2A1*	*9 mm F1 Sub-machine Gun*	*9 mm Browning Pistol*	*Pistol Signal 1½ inch*	*Pistol Signal 1 inch*	*Rifles .22 inch*	*Shot Guns*
MELBOURNE	102	10	12	12(a)	10	2	8	4
STALWART	36	4	12	14	4	2	4	2
SYDNEY	40	4	12	14(a)	4	2	8	2
SUPPLY	40	4	12	14	4	2	4	2
DDGs	35	4	12	12	4	2	4	2
Darings	35	4	12	12	4	2	4	2
Battles	35	4	12	12	4	2	4	2
Type 12 DEs	35	4	12	12	4	2	4	2
Type 15S	35	4	12	12	4	2	4	2
MORESBY	22	3	9	12	3	2	4	2
DIAMANTINA	22	3	9	12	3	2	4	2
GASCOYNE	22	3	9	12	3	2	4	2
Minehunters Coastal (b) ..	4	2	—	4	—	2	—	1
(c) ..	8	4	7	4	1	2	—	1
Minesweepers Coastal (b) ..	4	2	—	4	—	2	—	1
(c) ..	8	4	7	4	1	2	—	1
BASS	4	2	—	4	—	2	—	1
BANKS	4	2	—	4	—	2	—	1
PALUMA	4	2	—	4	—	2	—	1
KIMBLA	4	2	—	4	—	2	—	1
Patroal Boats	4	2	—	4	1	2	—	—
Submarines	—	2(d)	6	—	—	—	—	1

Notes: (a) Additional Pistols up to a maximum of 90-No (Melbourne) and 48-No (Sydney) may be carried when necessary to provide for aircrew to fly over enemy territory.
(b) Normal outfit.
(c) Outfit when employed on Patrol duties.
(d) One of these rifles to be used for line throwing purposes also.

Table 6—Scale of Small Arms Provided for Shore Establishments

HMA Establishments	*Rifle L1A1*	*Rifle L2A1*	*9 mm F1 Sub-machine Gun*	*9 mm Browning Pistol*	*.22 inch Rifle*	*Shot Gun*	*1½ inch Signal Pistol*	*1 inch Signal Pistol*
ALBATROSS	145	9	—	25	10	2	10	—
CERBERUS	360	9	16	40	10	2	10	2
CRESWELL	140	—	—	6	10	2	1	5
HARMAN	25	—	—	5	10	—	1	—
*HUON	30	2	5	5	10	—	1	5
KUTTABUL	15	—	—	2	—	—	1	10
*LEEUWIN	350	9	16	25	10	—	10	10
*LONSDALE	50	2	5	5	10	—	1	5
MELVILLE	35	5	5	30	10	2	1	10
*MORETON	50	2	5	5	10	—	1	5
NIRIMBA	180	9	2	3	10	5	10	—
PENGUIN	110	9	5	25	10	—	10	—
RUSHCUTTER	20	—	—	2	—	—	1	3
TARANGAU	60	3	5	5	10	2	1	5
*ENCOUNTER	30	2	5	5	10	—	1	5
*WATSON	110	9	5	25	10	2	10	—

Note: * Allowance is based on use of these small arms by RANR Divisions and ASCC units carrying out continuous training in those establishments.

(DAS 710/251/53)

(*Confidential Navy Orders 14/69, 33/69 and Navy Order 792/69*)

UNCLASSIFIED

264/70—Naval Stores (General)—Allowances of Portable Power Cleaning and Descaling Tools

Navy Order 74/70 is to be amended as follows:

Annex A columns *Group Class* and *Catalogue Number:*

Amend 0565/3311 *to read* 0565/33119.

(DSAP 506/71/418)

(*Navy Order 74/70*)

UNCLASSIFIED

265/70—Victualling Stores—Navigational Shapes

Navy Order 125/70 is to be amended as follows:

Title .. .. *Delete* Naval Stores
Insert Victualling Stores

Paragraph 2 .. *Delete* Superintending Naval Store Officer
Insert Superintending Victualling Store Officer.

(D of V 510/55/44)

(*Navy Order 125/70*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

RESTRICTED

ANOs 266/70-277/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
25 June 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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CONTENTS

Section 2
PERSONNEL

UNCLASSIFIED

266/70—Educational Test I and Services General Certificate of Education—Scale of Supply of Question Papers

1. Question papers will be forwarded to all ships and establishments in accordance with the scales set out hereunder. It will be necessary for ships to demand papers only when their requirements exceed the scale.

2. SGCE Scale.

Group	*Ship or Establishment*	*English*	*Modern History*	*Economics*	*Geography*	*Chemistry*	*Navigation*	*Mathematics I*	*Mathematics II*	*Physics*	*Asian History*
a.	NIRIMBA	150	5	5	5	5	5	150	50	100	5
b.	LEEUWIN	100	5	5	120	4	80	100	30	100	5
c.	ALBATROSS										
	CERBERUS										
	WATSON										
	MELBOURNE	10	5	5	5	3	5	10	5	5	5
	STALWART										
	SYDNEY										
d.	Destroyers										
	Frigates										
	Other Shore Establishments	5	3	3	3	2	3	5	3	3	3
	SUPPLY										
e.	DIAMANTINA										
	MORESBY	3	2	2	2	2	2	3	2	2	2
	Submarines										
	ANA Washington										
f.	All other Ships										
	NSO Vietnam	2	2	2	2	2	2	2	2	2	2
	RAN Comm Det S'pore										

3. ETI Scale (Fleet Test)

Group	Ship or Establishment	Paper I Arithmetic	Paper II English	Paper II English (Examiners Copy)
a.	ALBATROSS			
	MELBOURNE	15	15	1
	WATSON			
	SYDNEY			
b.	Destroyers			
	Frigates			
	SUPPLY	10	10	1
	STALWART			
	LEEUWIN			
c.	All other ships and establishments	3	3	1

4. ETI Scale (Supplementary Tests)

Group	Ship or Establishment	Paper I Arithmetic	Paper II English	Paper II English (Examiners Copy)
a.	CERBERUS (monthly tests) ..	100	100	4
b.	LEEUWIN (quarterly tests) ..	400	400	16

5. Navy Order 416/68 is hereby cancelled.

(DNES 325/54/2)

(Navy Order 416/68)

UNCLASSIFIED

267/70—Entertainment of Personnel of Foreign Warships Visiting Australia Station

1. The Central Canteens Board will subsidise excessive costs incurred by Chief Petty Officers, Petty Officers and Junior Sailors Messes required to entertain personnel from foreign warships visiting the Australia Station. Assistance will be confined to small sailors messes called upon to entertain visiting Naval personnel as part of an officially organised programme of entertainment.

2. The amount of reimbursement will be dependent upon the cost of entertainment, but normally will not exceed one dollar per guest.

3. Claims for reimbursement are to be rendered as soon as possible after the date of entertainment and should include the following information:

Details of Entertainment	*Number Attending*
Date.....	Mess Members.....
Place.....	Guests.....
Time.....	Name of Ship Entertained.....
Nature of Entertainment.....	Total Attending.....
Claimant.....	Total Cost.....
	Cost per Head.....
	Total Claimed.....

4. Claims should be signed by the Captain and forwarded to the Administrative Authority for onward transmission to the Secretary, RAN Central Canteens Board, Victoria Barracks, Melbourne, Vic 3000, with a specific recommendation in regard to the amount of reimbursement.

5. Navy Order 359/67 is hereby cancelled

(Secretary
RAN CENTRAL CANTEENS BOARD
252/4/50)

(Navy Order 359/67)

UNCLASSIFIED

268/70—Punishment Returns and Punishment Warrants

1. From examination of Ships Punishment Returns reaching Administrative Authorities and Navy Office, it is apparent that there are many misconceptions regarding the proper completion and rendering of these returns. These are legal documents which must be prepared strictly in accordance with regulations. Some of the more serious errors and omissions could lead to the quashing of a punishment.

2. The following is a list of the more common errors in Punishment Returns:

a. Omission from Forms PD100 of:
   (1) Signature of Coxswain or officer awarding punishment.
   (2) Form FN117 number where applicable.
   (3) Commanding Officers directions as to repayment of fines (Navy Order 582/69 Paragraph 6).
   (4) Notation that forfeiture of pay has been remitted where this is intended (Navy Order 582/69 Paragraph 25a).

b. Many Punishment Returns have been incorrectly forwarded direct to Navy Office. These must be routed via the appropriate Administrative Authority.

c. Automatic forfeiture of pay for leavebreaking is often incorrectly included as a punishment in the statistical information on Form PD107. This is not a punishment and should not be included as such.

d. Maximum punishments for first offences of non-aggravated leavebreaking are laid down in Navy Order 582/69 Paragraph 27. These are occasionally exceeded and of course the punishment is then illegal as to the excess.

e. When multiple leavebreaking offences by the same sailor are dealt with together the periods of absence must be aggregated for calculating the appropriate punishment for the total absence (Navy Order 582/69 Paragraph 26.) At present some ships are calculating the punishments and forfeitures for each absence separately and aggregating them. This leads to punishments and forfeitures in excess of the permitted scale.

f. The wording used to frame charges of leavebreaking often does not follow precisely the specimen charges given in Navy Order 582/69 Paragraph 24. It is most important that the exact specimen wording be followed when framing charges.

g. The words 'being apprehended in.....by.....' should not be included in a charge of leavebreaking or desertion.

3. It must be remembered that Administrative Authorities and the Naval Board when required to approve a Warrant punishment can act only on the written information submitted with the Warrant. All factors which influenced the Commanding Officer in arriving at his judgment must be included either on page 3 of the Warrant or in a covering letter. This is necessary both to justify the conviction and to explain why the proposed punishment is considered appropriate. Greater detail naturally is required where the proposed punishment is unusually lenient or severe.

4. Two other defects which often occur in the case of Warrants are:

a. The omission of the date of reading and the signature of the officer reading the Warrant.

b. Summaries of evidence accompanying Warrants for dismissal are frequently inadequate (ie, they are not sufficient to justify conviction) and in many cases have not been signed by the witnesses giving the evidence summarised. It is better to summarise each witness's evidence separately and have it signed by him individually, rather than to produce a composite summary of the whole case in narrative form, followed by the signatures of all the witnesses who gave evidence.

(DNLS 321/10/1233)

(*Navy Order 582/69*)

UNCLASSIFIED

269/70—Vaccination and Immunisation International Certificates of Vaccination (PM136) and Transmission of AF MED 4 (PM168)

1. It is clear from correspondence received in Navy Office that personnel do not always have in their possession a valid International Certificate of Vaccination (Form PM136) as is required by Navy Order 182/70 and ABR 1991, Chapter 6. Arrangements are to be made for the Certificates to be inspected periodically. Personnel are to be informed of their responsibility to take care of the Certificate and warned that failure to present the Certificate when required to do so may involve repetition of some or all of previous vaccinations.

2. Attention of medical officers is drawn to ABR 1991, Articles 0701-1, 0715 and 0735-4 which require the Certificate to be inspected prior to posting of personnel and all immunisations brought up to date. As some types of immunisations are not required to be recorded on the Certificate but recorded on Form AF MED 4 (PM168), it is essential that AF MED 4 for this and other reasons be forwarded to reach the members next posting not later than the date it is anticipated he will join.

(MDG 327/54/119)

(*Navy Order 182/70*)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

270/70—Training and Courses in UK—Personnel Records and Security Certificate

Naval Personnel

1. When personnel are appointed or posted to the United Kingdom for courses or training, action is to be taken by the ship or establishment in which the member is serving to ensure that:

a. Medical and service documents are forwarded to reach the Australian Naval Representative, United Kingdom, at least three days prior to the commencement of the course or commencement of training; and

b. pay account cards are forwarded to reach ANRUK by the time the officer or sailor arrives in the UK. Where a member travels by air his pay account card should be handed to him prior to his departure from Australia and kept readily available either on his person or in hand baggage carried.

2. In addition security clearance Form KE104 (AS630) is to be completed in respect of all trainees before their departure for the United Kingdom.

3. Part 1 of Form KE104 is to be completed by the ship or establishment and two copies, together with two photographs, are to be forwarded to the Secretary, Department of the Navy, Canberra, ACT, as soon as possible after receipt of the relevant Posting List or Posting Note. Photographs are to be of the passport type measuring 1⅝ inches square, showing head and shoulders, and below, a standard name plate bearing the initials and surname. Personnel are to be photographed in the uniform of their rank, without caps, against a height scale.

4. Part 2 of Form KE104 includes security undertakings relating to the safeguarding of classified information received by the trainee in the course of training overseas. Before these undertakings are signed by a representative of the Secretary, Department of the Navy, it is necessary to ensure that the trainee is aware of his obligations to safeguard the information. Therefore, the trainee is to be briefed by the ship or establishment security officer and is to sign the statement on the back of Form KE104.

Civil Personnel

5. Form KE104 is also to be used in the case of civil personnel proceeding to the United Kingdom to attend military courses. The form is to be completed by the appropriate administrative authority and the trainee and two copies forwarded to the Secretary, Department of the Navy, Canberra, ACT.

6. Form KE104 is available on demand from SVSO, Sydney. Demands should be restricted to 12 months requirements.

RESTRICTED (when Part 2 completed)

SECURITY CERTIFICATE

(Two copies of this form must be completed in typescript and must be accompanied by two photographs (approximately 1⅝ inches × 1⅝ inches—4 centimetres square) of the candidate.)

PART 1

HMAS.....

The Secretary,
Department of the Navy,
CANBERRA, ACT.

SURNAME	OTHER NAMES		
RANK	SERVICE NO.	NATIONALITY	SERVICE
CURRENT OR PROPOSED APPOINTMENT			
ADDRESS IN UNITED KINGDOM			
PASSPORT OR IDENTITY CARD NO.	DATE AND PLACE OF BIRTH		
COLOUR OF HAIR	COLOUR OF EYES	HEIGHT	
VISIBLE DISTINGUISHING MARKS (IF ANY)			

....
Date *Captain*

PART 2

The Australian Naval Representative,
UNITED KINGDOM.

1. The abovenamed has been selected to attend the following course.....
.....at.....
from.....to.....

PART 2—*continued*

2. Certified that the abovenamed has been cleared in accordance with national security standards, up to the level of.....inclusive and that the Australian Government is aware of no security objection to his attending the course.

3. The Australian Government undertakes not to release any information given to the abovenamed during his course of training to a third country without prior approval from the British Government.

4. The Australian Government undertakes to give proper security protection to any classified information disclosed to the abovenamed during his course of training.

....
(Date) (Secretary)

(Printed on back of Form KE104)

'I am aware that the classified information which may be imparted to me during the course of instruction referred to on the front of this form must be protected by me both during and after the completion of the course.

In particular I realise that the information is imparted to me as an Australian citizen and that I must not disclose it to a national of any other country without the permission of my Commanding Officer or Head of Branch. I also realise that the information will be disclosed to me only because I have a "need to know" and that I must not disclose it to other persons or other members of the RAN without the permission of my superior officer.'

Date..... Signed.....

5. Navy Orders 12/67 and 282/67 are hereby cancelled.

(DNI 1617/201/60)

(*Navy Orders 12/67 and 282/67*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

271/70—Alteration and Addition Item—HMAS BANKS

The following Alteration and Addition Item is approved to be carried out in HMAS BANKS:

Class List Item No 17 (Ex TDL '4/69').

a. *Item:* 'To replace a scupper in deck of Dry Store in forward outboard corner FS 10 13 Port.'

b. No weight compensation will be required for the item, however weight variation is to be reported to Navy Office.

c. *Reference:* HMAS BANKS Form AS1182 (TM168) TDL '4/69' forwarded under cover of NOIC SA Memorandum dated 4 July 1969.

(CNTS 1236/53/124)

UNCLASSIFIED

272/70—Alteration and Addition Item—HMA Submarines OXLEY and OTWAY

Navy Order 692/69 is to be amended as follows:

Title and Paragraph 1

add OVENS.

(CNTS 1218/51/320)

(*Navy Order 692/69*)

UNCLASSIFIED

273/70—Alteration and Addition Item—100 foot Patrol Boats

The following Alteration and Addition Item is approved to be carried out in HMA 100 foot Patrol Boats:

Class List Item No 9 (Ex TDL CMPFs 'A').

a. *Item:* 'Resite the remote control unit and loudspeaker from the signal desk on the bridge to the forescreen.'

b. Weight off is to be reported to Navy Office.

c. *Reference:* 100 foot Patrol Vessels Form AS1182 (TM168) TDL CMPFs 'A' dated 5 March 1969 forwarded under cover of FOCAF Memorandum dated 26 March 1969.

(CNTS 1234/51/200)

UNCLASSIFIED

274/70—Machinery—General—Pumps, Weirs TMFP 35 Main Feed Pumps—Emergency Overspeed Trip Mechanism Testing

Following recently conducted trials, the manner of testing the emergency overspeed trip mechanism of the Weirs 1-30-2 turbine driven Main Feed Pump fitted in Type 12 A/S frigates has been revised. The following test procedure is therefore to be adopted:

a. Run the pump up normally and test the hand trip mechanism.

b. Re-set the steam stop valve.

c. Disconnect the differential pressure governor by removing a pin from the throttle valve linkage, and open No 1 nozzle group control valve (BR 2112 (5) Figure 2).

d. With the discharge valve CLOSED and the suction valve OPEN, run the pump up to a speed of about 6,000 rpm, controlling the speed by means of the steam stop valve.

e. When the turbine is at speed, and with the suction valve OPEN, slowly open the steam stop valve to increase the turbine speed up to a maximum of 7,020 rpm.

f. If this speed run-up cannot be achieved solely by opening the steam stop valve the turbine speed should be reduced to about 6,000 rpm and the suction valve PARTIALLY CLOSED. Another attempt should then be made to induce overspeeding by slowly opening the steam stop valve.

Note: It will be necessary to determine, by trial, the minimum amount of suction valve closure required.

g. If the overspeed trip does not operate within the limits 6,680-7,020 rpm, the pump should be stopped and the trip bolt assembly dismantled for overhaul, then subsequently re-set and re-tested.

h. On satisfactory completion of the test, re-set the steam stop valve and re-connect the differential pressure governor.

(DMED 400/2/607)

UNCLASSIFIED

275/70—Mess Gear—Introduction of White Crockery for Senior Sailors Messes

1. The following items of white, green badged, crockery will be stocked at Royal Edward Victualling Yard and will supersede coloured crockery currently in use in Senior Sailors Messes:

Catalogue No	*Item*
51235	Cup, drinking, EW, green badge
51705	Plate, eating, dinner, EW, green badge
51735	Plate, eating, pudding, EW, green badge
51745	Plate, eating, soup, EW, green badge
51840	Saucer, cup, EW, green badge

2. Issues will be made of white crockery to ships and establishments when present stocks of CPOs coloured crockery held at the Victualling Yard are exhausted.

3. ABR 93, Manual of Victualling Stores, Part II, Section 6, Scale 27, will be amended.

(D of V 914/51/29)

UNCLASSIFIED

276/70—Naval Stores—Group Class 0245—FFO Hoses for Boiler Sprayers in Daring Class Destroyers

0245-12388 Hose, metallic flexible Silvoflex 29 inch, for FFO boiler sprayers in Daring Class Destroyers has been superseded by 0245-12388-L1 Hose, metallic flexible Silvoflex 29 inch, which has an external reinforcing spring fitted. However, stocks of 0245-12388 Hose will continue to be issued until exhausted.

(DNS 1215/56/264)

UNCLASSIFIED

277/70—Stowage of Beer in HMA Ships

1. The quantity of beer for issue to ships companies that may be carried in HMA ships is limited by considerations of weight and space.

2. Based on individual ships endurance of provisions, an average issue rate of the equivalent of 4 × 26 ounce cans per man per week for Survey Vessels and

2 × 26 ounce cans per man per week for other HMA ships, and taking into consideration that some ships are weight critical, the following are the maximum quantities of beer that may be embarked for issue to ships companies:

Ship	*Quantity in 26 oz cans or equivalent*
MELBOURNE	2,700 doz
SYDNEY (without troops)	930 doz
SYDNEY (with troops)	1,400 doz
SUPPLY	415 doz
STALWART	1,000 doz
MORESBY	390 doz
PALUMA	40 doz
DIAMANTINA	200 doz
KIMBLA	40 doz
ANZAC	180 doz
DDGs	415 doz
TON CLASS	10 doz
QUEENBOROUGH	300 doz
RIVER CLASS DEs	290 doz
DARING CLASS	330 doz
SUBMARINES	60 doz
ATTACK CLASS	7 doz

(DFSD 1211/251/182)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 278/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
25 June 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

17151/70

Section 2

PERSONNEL

UNCLASSIFIED

278/70—Posting, Compassionate Leave and Discharge Procedure

1. The principles governing posting in the RAN take into account the current manpower situation for the tasks in the Service and the need to stabilise posting, as far as possible, for the operational efficiency of the Fleet. This order is divided into parts as follows:

Part 1—Posting Plan
Part 2—Exchange Postings
Part 3—Volunteering for Service
Part 4—Sea and Shore Rosters
Part 5—Compassionate Cases
Part 6—Naval Social Work Service

Part 1—Posting Plan

2. The posting of sailors is dictated by the folowing major considerations:

a. Billet requirements as laid down in Schemes of Complements;
b. the sea/shore roster;
c. type posting requirements;
d. home ports of sailors;
e. refit ports of ships; and
f. special billet requirements.

There are of course many other factors in posting which further complicate the task, including such matters as sickness, welfare situations, sudden discharges, course requirements, volunteers for certain duties, changes in the Fleet programme, shortages in some categories, etc. It will be seen that on occasions the above requirements conflict, and it is not always possible for sailors to be posted for shore service to their home ports or for sea service to ships re-fitting in their home ports. The following paragraphs enlarge on the above factors with the aim of informing all personnel concerned of the posting principles in use.

Schemes of Complement

3. The total number of categories of individual officers and sailors required to man the Action State in a ships Watch and Quarter Bill and to maintain and steam that ship under normal conditions are summarised in the Schemes of Complement prior to commissioning. These Schemes of Complement are frequently amended to provide personnel to maintain and/or operate new equipment, or to allow for changes in operational roles. A ship or establishment may have the following Schemes of Complement:

a. *War Complement*—the complement required to fight, operate and maintain a ship in the most efficient manner under all likely circumstances in wartime.
b. *Peace Complement*—the complement required for the full peacetime role of the ship or establishment.

4. The Complements Committee visits all establishments biennially to revise Complements in the light of changed tasks and requirements.

Stabilised Complements

5. An ideal posting plan would allow complete stabilisation of each ships company throughout the operational period of a commission. However, changes are necessitated by:

a. Replacement of Ordinary Seamen under training at varying intervals.
b. Changes of technical personnel by trickle posting throughout a commission to maintain the highest possible level of skill and experience.
c. Replacement of sailors in some categories whose normal ratio of sea service is 12 months.
d. Removal of sailors due to training courses, promotions, sickness, discipline or discharges.

6. To these factors must be added the effect of changes to ships planned programmes due to operational requirements, defects or maintenance delays. Every effort is made to stabilise HMAS MELBOURNE, DDGs, Daring Class Destroyers, Destroyer Escorts and Submarines within the above limitataions.

7. Where manpower shortages exist, establishments must bear proportionately larger underbearings than ships fulfilling major operational roles. Shortages necessarily affect the sea/shore ratio and a reduction in the periods of shore service is then inevitable, resulting in increased turnover of personnel ashore. Where shortage of senior sailors exist special consideration is given to filling essential billets in training establishments.

Losses and Ineffectives

8. When all the billets required for each rank of category ashore and afloat are totalled to ascertain the RAN manpower requirement, a percentage is added to each category to allow for 'ineffective' personnel. This percentage is calculated to offset losses when sailors are on courses, in transit, on leave or absent from duty due to sickness, disciplinary or other causes. It will be appreciated that this provision for additional personnel to meet the 'ineffectives' requirement only becomes possible when full numbers are borne in a category. It should be noted that ineffectives are required to fill the billets allowed in the Service and do not constitute a posting margin.

9. Losses due to causes outlined above must normally be borne by the ship or establishment concerned for a period of three months. Where key personnel (whose absence will adversely affect operational efficiency) are involved Navy Office should be advised.

Remote Localities

10. The normal period of service in the following establishments is one year for unaccompanied personnel and two years for accompanied personnel:

HMAS MELVILLE
HMAS TARANGAU } And patrol boats attached to these establishments.

11. Service in the RAN Communication Detachment Singapore or in HMS TERROR is for a period of two years whether accompanied or not.

Posting Forecasts and Weekly Lists of Sailors Postings

12. In order to provide a period in which private affairs can be adjusted the majority of sailors are given from three to six months forecast of their next posting. The forecast takes into consideration all known factors which affect posting during the period involved, namely, ships programmes, changes in schemes of complement and sailors completing their periods of sea or remote area service.

13. Sailors are forecast for sea service in strict roster order having regard to specialist training and type experience with the exception of those who are medically unfit for sea service or whose engagements expire in the near future. Unforeseen requirements for sea service will inevitably arise and to meet these, sailors are nominated as 'Standby for Sea Service'.

14. Forecast Postings are confirmed by Weekly Lists of Sailors Postings which show specific movement dates. Changes in ships programmes will necessarily affect forecast postings. Where possible sailors postings are promulgated three months in advance of movement dates.

Home Port Posting

15. The general policy is to refit River Class Destroyer Escorts and HMAS ANZAC at Williamstown. The remainder of the Fleet will in general, refit at Sydney. To enable personnel to spend short leave with their families, sailors will be posted, where possible, to a ship whose refitting port is nearest their home port, ie:

Home Ports	*Associated Ships*
Melbourne Adelaide Hobart Fremantle	River Class Destroyer Escorts, ANZAC, DIAMANTINA.

Home Ports	*Associated Ships*
Sydney Brisbane Canberra Nowra	Carriers, DDGs, DUCHESS, VAMPIRE, VENDETTA, SUPPLY, MORESBY, STALWART, QUEENBOROUGH, Submarines and smaller ships.

16. Change of home ports will not necessarily ensure postings to the associated ships. Due to the preponderance of personnel with home ports of Sydney, Brisbane, Canberra and Nowra all cannot be posted to ships associated with Sydney refits. Some of these sailors must therefore man Melbourne based ships. If ships are required to refit in ports other than in Paragraph 15 above, consideration will be given to posting sailors of the nearest home port to that ship.

17. In forecasting postings to shore an endeavour is always made to post sailors to establishments in or near their home ports, or preference localities. The conflicting requirements of complement billets available, removals and the individuals rank, category and anticipated period of shore service must, however, be taken into account. Again due to the greater number of sailors with Sydney or Brisbane as their home port some will be required to serve outside the Sydney area.

Preference Localities

18. Because of the limitation of complement billets it is not always possible to post sailors to their home ports. It is therefore in the sailors interests to nominate a preference locality. Preference localities are restricted to recognised home ports.

19. On the other hand there are sailors who, for various reasons, do not wish to be posted to establishments in or near their home ports. These sailors should nominate another home port as their preference locality for posting purposes.

20. It is stressed that preference is always given when filling billets in a particular area to sailors with home ports of that area unless they have indicated a desire not to be posted to their home port.

21. It is each sailors responsibility to elect a preference if he so desires and to cancel such preferences if circumstances change at a later date.

Type Posting

22. Technical equipment and modern weapons systems continue to become more complex, as does the technical training and knowledge required to achieve a high standard of operation and maintenance. No longer can each technical sailor cover many fields adequately: he must now specialise. To initiate this policy Fleet ships have been grouped for the purpose of posting technical sailors into:

a. DDGs and STALWART.
b. Daring Class.
c. River Class Destroyer Escorts.
d. Submarines.
e. The remaining ships which are in general fitted with less complex mechanical and electrical equipment.

23. In general, the Marine Engineering and Electrical Branch complements as far as possible are filled by sailors already experienced in the type of ship concerned. A junior sailors home port will, to an extent, determine in which type of ship he will serve and thus be most experienced.

Normal Limit of Service in One Ship

24. Where a sea service period is expected to exceed three years, a sailor will be considered for posting to another ship after the first two years sea service. No sailor will be planned to remain in one ship for more than three years.

Sea and Operational Service in the Far East Area

25. The Naval Board appreciate that frequent periods of unaccompanied service in the Far East area may create domestic difficulties in some cases, particularly in those branches and categories which enjoy relatively short periods of shore service. To alleviate the strain on family life the frequency of service of each sailor in billets involving service in the Far East will be restricted to:

a. Service in Ships Operating in Vietnam Waters:
The normal maximum service will be two tours of duty during a sailors service (each tour is normally of six months duration).
b. Strategic Reserve Service:
Maximum of two tours in the Far East of approximately six months each, in each turn of sea service.
c. CDT3:
Maximum service to be one operational tour (six months approximately).
d. RANHFV:
Maximum service to be one operational tour (12 months approximately).

26. The above principles will be adhered to as closely as possible depending upon the manning situation of the branches and categories concerned.

27. Sailors will be selected for initial service in the above areas/units in accordance with normal posting practice and the principles outlined. When reliefs are required at short notice for vacancies caused by medical categories, promotions, etc, or when ships programmes are altered for operational reasons at short notice these principles may be varied, in which case volunteers to serve for periods in excess of those above will be called for before postings are finalised.

Posting Dates

28. The policy for granting long leave is contained in Regulations and Instructions for the RAN. To avoid any variations in interpretation of the action to be taken with regard to special instructions on Posting Lists they are standardised as follows:

a. Date of posting only shown—discharging ship is to dispatch the sailor to join the new ship or establishment on the date indicated. In some cases it will be necessary to discharge sailors on leave prior to posting to meet the rules of leave laid down in RI. In these cases the date a sailor will join his new ship is to be communicated by letter to the latter where the date of joining will necessarily be later than the date shown on the Weekly List of Sailors Postings.

b. Date of posting plus notation PPD 3 (having had leave due)—the discharging authority is to ensure that the sailor has had all leave due and is dispatched so as to join the new ship on the date indicated.

c. Date of posting plus notation PFORLV (posted for leave)—The discharging authority is to dispatch the sailor on leave on the date indicated and the sailor is to join the receiving ship or establishment on completion of leave. Travelling time is to be borne by the receiving ship. The date on which a sailor should join the new ship should be communicated by letter.

29. When a sailor completes a course in a shore establishment or is discharged from hospital on a Friday afternoon to rejoin his ship or establishment in the same area, eg, Sydney, he is to be discharged to weekend leave with instructions to join by the time short leave expires on the following Monday, unless his ship or establishment has indicated otherwise.

30. A ship or establishment which does not receive a sailor on the due date, is to communicate direct with the discharging ship or establishment including Navy Office as an information addressee. If it is known that a sailor will be unable to take up his posting on the due date, this fact is to be reported immediately to the Naval Board and the receiving authority.

31. Permanent Posting Directions are shown by number against individual postings. The list of PPDs is issued separately and is held in all ships and establishments.

Medical and Dental Fitness

32. To ensure fitness for posting, sailors, except those appropriated for service abroad (*see* RI) are to be provisionally medically and dentally examined on receipt of the forecast (or notice for 'Stand By'). A further medical and dental examination is to be carried out on receipt of the Posting List. Where a sailor is found unfit, the Naval Board is to be notfied by signal of the duration of treatment. If the posting is to a sea-going ship or a remote area, any disability discovered at the time of the posting forecast, and which is in need of purely elective surgical correction, should be dealt with prior to posting, if time allows. Such non-urgent surgery should not be delayed until after posting merely for the convenience of the patient. If the operation prior to posting is advised and refused, the patients fitness for posting should be assessed in the light of his disability and the possibility of urgent attention being required shortly after joining his new ship or establishment. If considered unfit under these conditions the Naval Board is to be notified in accordance with RI.

Part 2—Exchange Postings

33. Exchange postings are allowed only between two sea-going ships or between two establishments where:

a. the sailors concerned are of the same rank and category;

b. the periods of sea or shore service are approximately the same;

c. the requirements of the Service are still met; and

d. normally no additional expense to the Commonwealth is involved.

34. When requests to exchange postings are presented, action is to be taken in the ships in which the sailors are borne to forward recommended requests to Navy Office. At the same time the sailors records are to be forwarded to their prospective Commanding Officers. No action will be taken in Navy Office on the requests until the concurrence of the Commanding Officers is received, unless it is evident from a posting point of view that the requests cannot be approved.

35. Requests for exchange postings may be submitted on receipt of a Posting Forecast or Weekly List of Sailors Postings or at any time when the above conditions are met.

Part 3—Volunteering for Service

36. The practice of volunteering for service is in the normal course limited to service in:

SUBMARINES
PNG PATROL BOATS
HMAS MELVILLE
HMAS TARANGAU
RAN COMMUNICATIONS DETACHMENT SINGAPORE.

37. Records of volunteers are kept at Navy Office and are consulted before making postings. Names of recommended volunteers are to be forwarded by letter to Navy Office.

38. Volunteers for submarines must comply with the requirements set out in Navy Orders and ABR 27. When sailors are required for special billets, eg, canteen manager, a call for volunteers is made. The procedure for reporting names of recommended volunteers for recruiting duties is to be found in curent Navy Orders.

Volunteers to Forego Shore Service

39. The Naval Board appreciate that there are sailors who, for valid personal reasons sometimes wish to extend their normal sea service periods. In general, requests of this nature are not approved as they would block the sea training of other sailors and would prevent an equitable share of sea and shore service for all personnel.

40. It is regrettable that because of shortages within certain categories, present sea service extends to three years and beyond in some cases and shore service is generally less than the planned two year period. Even so, some requests are received from sailors within these categories to remain at sea.

41. To lengthen the shore service of the other personnel within these underborne categories, those sailors who wish to remain at sea, may volunteer to forego their turn of shore service under the following conditions:

a. Volunteers may apply from affected categories which will be promulgated quarterly in posting forecasts. Nominations should reach Navy Office as early as possible following the issue of the forecasts;

b. these sailors will be regarded as volunteering to remain at sea for 12 months following the date they normally would have commenced shore service. The actual additional service will be governed by the Fleet programme and its subsequent amendments;

c. whilst the majority of volunteers will be accepted there may be occasions (eg, the need for an instructor with special skills ashore) when requests cannot be approvad or when a planned extension of sea service must later be cancelled;

d. the posting records of volunteers will be noted. The names of sailors concerned will remain at the tops of the shore service rosters but they will be passed over whilst serving the additional period at sea;

e. a request to forego shore service will not normally be accepted where a posting has been already forecast or issued.

42. Similarly sailors of the categories required to forego shore service who are currently serving ashore and have completed six months shore service, may also volunteer to forego the balance of their shore service. These volunteers will be placed at the top of their respective sea rosters and consideration will be given to posting them for sea service as soon as possible. Such postings may be at short notice.

Part 4—Sea and Shore Rosters

43. Posting Rosters for sea and shore service, on which sailors are listed according to rank and category are maintained in the Posting Office. Except for ERAs and MECHs all sailors are placed on the roster on the date of first posting to sea to other than a training billet. ERAs and MECHs are placed on a combined roster from date of award of EWC in respect of their initial periods of sea service. Sailors will hold a position on the roster for shore determined from the date of starting this sea service. The length of service at sea is different for the various categories depending on the ratio of sea billets to shore billets and the numbers borne in the category concerned.

44. Sailors posted to shore service after completing their period of sea service will be placed on the roster for sea after all sailors serving ashore. The roster date for sea will be the date of starting shore service. The sea/shore roster system can be seen to be a system of rotation from sea to shore and back to sea, and a mans position on the sea or shore roster is based on the date he last went ashore or went to sea. The fact that a sailor is serving in a stabilised ship will mean that he may not be posted ashore when normally due. Conversely some sailors may not be posted for sea service when due because of specialised training received or because of the nature of their employment.

45. Sea service for posting purposes comprises:

a. Service in a commissioned sea-going ship.

b. Service in a front line air squadron. (Including RANHFV.)

c. Service in a second line air squadron if required for service in a commissioned sea-going ship for periods exceeding one month.

d. Service in HMAS TARANGAU for unmarried sailors and married unaccompanied sailors.

e. The period whilst undergoing a course of less than six months in length when posted for the course from a sea-going ship and when the sailor will continue sea service on completion of the course.

f. Service in Clearance Diving Teams 1 and 3.

46. In addition to service in HMA establishments within Australia shore service comprises:

a. Service in HMAS TARANGAU for married accompanied sailors. Only the actual period of accompanied time will count for shore service.

b. Overseas service ashore.

c. Service whilst standing by ships building.

47. The above definitions in no way affect the grant of remote locality leave.

48. Sailors promoted to a higher rank will assume a position on their new sea/shore roster in accordance with the date held on the roster in their former rank.

49. Re-entered men are normally placed on top of the roster for sea service.

50. After disciplinary action following desertion sailors names will be placed on the sea/shore roster in an adjusted position having due regard to their previous service, the period of desertion and the possible effect on the sea/shore position of other sailors.

51. Sailors posted for courses will be posted to sea or shore on completion of course depending on their position on the sea/shore roster.

Part 5—Compassionate Cases

Compassionate Leave, Leave Without Pay, Free Discharge

52. The provisions of this order apply to all members of the RAN.

53. There are occasions when members are not able to fulfil the requirements of the Service due to circumstances of a personal nature.

54. The following provisions have been made in order to assist in these circumstances, but it is necessary to bear in mind that action to alleviate one members problems may have far-reaching effects on other members and that efforts need to be made to ensure uniformity in making decisions about these cases, so as to avoid unfortunate comparisons.

55. The Naval Board has decided that the methods of dealing with compassionate situations shall be:

a. Assessment and advice by the trained personnel of the Naval Social Work Service (details in Part 6 of this order).

b. The granting of:

(1) Leave in accordance with RI Article 0921/1.

(2) Compassionate leave up to seven days in any one leave year.

(3) Advanced seasonal leave.

(4) Leave without pay.

(5) Free discharge.

(6) Temporary postings (where serious domestic situations of a short term nature are involved and other sailors are not adversely affected).

56. When considering applications for compassionate action, Commanding Officers should bear in mind, in addition to the compassionate nature of the case, the following relevant factors:

a. Operational requirements.

b. The members availability for posting and the duties or courses of instruction on which he is employed.

c. The difficulty of arranging leave once he is at sea.

d. The likelihood that a member seriously worried about his family affairs will be less than efficient.

Compassionate Leave

57. Whilst no precise regulations can be laid down compassionate leave should, if possible, be allowed in the following circumstances:

a. Death, imminent death or very serious illness of a wife or child.

b. When the death of a parent or near dependent relative is imminent, so that the member can see the person concerned before death takes place.

c. Death or very serious illness of a parent or near dependent relative provided that the presence of the member is essential and that there is no other son or daughter already at home or available to help.

d. When a members return is the only means of preventing the break-up of his family, or his marriage is threatened by his wifes desertion or infidelity.

e. Serious domestic hardship when the presence of the member is essential.

f. On removal, where it is necessary for the member to be present because his wifes health or the ages of their children make it unreasonable to expect that that wife should bear the sole responsibility for the movement of the family and their possessions.

58. There may be occasions when none of these conditions is fulfilled but when the grant of compassionate leave would nevertheless be justified and Commanding Officers will use their discretion in dealing with the applications which should be referred to Naval Board for decision.

59. Only where the situation would be materially prejudiced by the mans absence are cases of domestic or financial affairs to be considered as proper grounds for the granting of compassionate leave.

60. Pregnancy or confinement are not normally to be regarded as adequate grounds for compassionate leave.

61. Compassionate leave should not be granted in respect of fiancées as the relationship has no legal permanence.

62. In the case of personnel serving outside the Australia Station compassionate leave to return to Australia may be considered in the circumstances outlined above, but prior approval of the Naval Board must be obtained. In these cases the Naval Board will grant leave when the circumstances are considered to be exceptional.

63. Documentary evidence or confirmation by the Naval Social Work Service is generally desirable before granting compassionate leave, but where immediate action appears essential leave may be granted contingent upon documentary evidence being produced on the members return.

64. When the Commanding Officer is satisfied that grounds exist for the grant of compassionate leave, he may grant such leave for a period or periods not exceeding a total of seven days in any one leave year (plus essential travelling time under Paragraph 73 of this order) without deduction from recreation leave. Where an application for compassionate leave is made under Sub-paragraph 57f of this order, by a member serving in HMAS MELVILLE or HMAS TARANGAU the circumstances of the case together with the recommendation of the Commanding Officer are to be reported to the Naval Board for decision.

65. Should it be necessary to grant leave in excess of seven days, the excess over seven days is to be debited:

a. against recreation leave accrued; or

b. if recreation leave entitlements are exhausted, against leave accruing during the ensuing 12 calendar months (calculated at the basic scale—namely, 28 days a year).

66. The fact that the taking of leave in advance may preclude the member from spending further leave with his family, for a considerable period, and the effect that this may have on his domestic circumstances should be taken into account. Any periods of leave granted in excess of the above are to be without pay, prior approval being obtained from the Naval Board.

67. Where a member has stated his intention to marry a woman for whose pregnancy he is responsible, consideration should at first be given to whether the case could be covered by normal leave, either in advance or in the ordinary course. Should it be necessary to grant leave in these circumstances the man himself must meet the cost of travel to and from such leave, unless in the case of a member serving in the Australia Station the travel is taken as a debit against his normal leave entitlement.

68. Where a member is serving off the Australia Station and wishes to return to Australia for the reasons outlined in Paragraph 67, the man must meet the cost of travel to and from such leave and the approval of the Naval Board is to be obtained in these cases before leave is granted.

69. A member who, while on normal leave, desires compassionate leave should:

a. if in the State in which his ship or establishment is located, apply to his Commanding Officer; or

b. if in a State other than that in which his ship or establishment is located, apply to the nearest Naval Officer-in-Charge.

The member should make application as soon as the need arises, and not wait until the expiration of his recreation leave before making his request.

70. Where a member on leave applies to a Naval Officer-in-Charge for compassionate leave, that authority, if satisfied that grounds exist for the grant of such leave, should, if time permits, forward the application to the mans Commanding Officer with an appropriate recommendation; if time does not permit, however, he may grant leave as in Paragraph 73 of this order, the members Commanding Officer being informed by signal.

71. Where a member on compassionate leave desires to apply for further leave, the procedure in Paragraph 70 of this order is to be followed.

Travel—Personnel Serving in Australia

72. The provision of this order is to allow a member compassionate leave to visit relatives in Australia only. In exceptional circumstances the Naval Board may give consideration to allowing accrued leave or leave in advance to be taken abroad as long as no cost to the Commonwealth is involved, eg, a member wishing to visit a dying parent in the United Kingdom might be permitted to use his leave to do so, but he must pay his own fare.

73. Where compassionate leave is granted to a member under this order, travelling time appropriate to the type of transport used will be added to the leave granted where the travelling time for the single journey exceeds 12 hours by the approved means and route of travel.

74. Travel may be granted to the locality in which the person being visited is curently located, irrespective of whether this is the home port of the man or his destination for normal leave travel. Authority for the grant of free travel to a member granted compassionate leave is contained in Naval Pay Instruction 217/12, which should be consulted before free travel is granted. Generally free travel should only be granted when there is no normal entitlement to a Leave Concession Warrant (eg, a Leave Concession Warrant has been issued within the previous three months, or a member has already been issued with two Leave Concession Warrants in the current leave year) and the case falls within one of the categories in Paragraph 57. The forward journey may be undertaken by the fastest available means bearing in mind the urgency of the situation, and the return journey by the normal means for the particular route. Chargeable warrants may be issued when there is no entitlement to a Leave Concession Warrant and the conditions of Paragraph 57 are not satisfied.

Travel for Personnel Serving off the Australia Station

75. Authority for free travel is contained in Instruction 217/13 Naval Pay Instructions. Free travel may be granted with approval of the Naval Board only, and will be by whatever means the Naval Board approves. The application to the Naval Board for compassionate leave is to include the proposed route by which the member would travel making use of any available official transport and in addition is to include, where practicable, the recommendation of the Administrative Authority indicating whether the immediate or delayed presence of the member is required. All relevant details (eg, relatives or friends available to assist) must be given to enable an immediate decision to be made. The Naval Board, acting upon this information and other relevant details of the case, will assess the method of travel to be used. The Commanding Officer, when signalling the sailors discharge to leave, is to make a recommendation to the Naval Board as to whether or not the member should return to his ship or establishment. If he recommends the return of the member, the Commanding Officer should indicate whether or not a delay in return is acceptable.

Leave Without Pay

76. Leave without pay for a period not exceeding three months may be granted with the approval of the Naval Board. Leave without pay for a period exceeding three months, but not exceeding 12 months, may be granted with the approval of the Governor-General. Before recommending leave without pay, Commanding Officers must carefully consider the case, because further hardship is often brought about if a member suffers loss of income during a period of domestic upset. Leave without pay, whilst not breaking continuity of service, does not count as time for furlough or extended leave purposes. Members are required to continue DFRB contributions during the period of leave without pay. All applications for leave without pay whether recommended or not are to be forwarded as soon as possible to the Naval Board through the Administrative Authority unless otherwise directed.

Free Discharge

77. Free discharge may be granted by the Naval Board in exceptional circumstances only. The requirements of the Service as well as the members personal circumstances will be taken into account. The member may apply for free discharge if the provisions for compassionate leave, advanced seasonal leave and leave without pay cannot meet the situation. In presenting his case, the member will need to show that he has fully explored all possible alternatives in an effort to alleviate his own situation.

78. All applications for free discharge are to be made on Form AS222 and whether recommended or not forwarded as soon as possible to the Naval Board through the Administrative Authority unless otherwise directed. They should be accompanied by:

a. A statement of reasons for discharge signed by the applicant and countersigned by his Divisional Officer, who should certify that he has inquired carefully into the case and believes the statement to be correct.

b. A medical certificate, if sickness of a relative is given as the reason for applying for discharge.

c. If the applicant states that employment is assured him, documentary evidence to that effect, and where possible, a statement of the wages he is to receive.

d. Copies of any relevant welfare report.

e. If the applicant states financial considerations as to the reason for his application, details of allotments in force should be given.

79. When forwarding the application, the Commanding Officer is to state whether after making full inquiries, he is satisfied that the case is genuine and whether or not the discharge is recommended. Should he have reached the conclusion that the sailor should be discharged from the Service for another reason such as 'UNSUITABLE' or 'SNLR' the Commanding Officer is not to recommend this on the application but is to forward a separate letter to Navy Office.

Method of Assessment and Application

80. Where special action in compassionate cases and free discharge is being considered, the assistance of the Naval Social Work Service is to be requested, by signal or letter. Signals and letters are to be addressed to the appropriate Naval Authority and should contain the following details:

a. Rank, Name and Personal Number.

b. Nature of request and reasons.

c. Full name and address of next-of-kin or person to be contacted (including telephone number if available and any special instructions in locating the address).

d. Religious denomination.

e. Any other relevant details, eg:

(1) Full first name of patient if medical report is indicated.

(2) Name, address and telephone number of doctor or hospital.

(3) Times when person to be contacted is known to be away from home.

81. Commanding Officers are to acquaint themselves personally with all facts in compassionate cases, and in submitting the matter to higher authority they are to give their own considered recommendation.

82. All compassionate cases are to be dealt with at the first opportunity and the member is to be allowed to present his case only before those officers directly concerned.

83. Ships and establishments which have requested welfare reports are to inform the reporting authority by signal of action taken in cases of compassionate leave and advanced seasonal leave. The Naval Board will include reporting authorities as an information addressee in correspondence giving decision on requests for leave without pay or free discharge and compassionate leave from overseas areas. Reports are to be made in triplicate and forwarded by airmail at the first available opportunity.

84. The following instructions are applicable to signal messages concerning compassionate cases and sensitive private affairs of members:

Subject Matter	*Classification*	*Beginning of Text*
a. Requests for compassionate leave	UNCLASSIFIED or in exceptional circumstances RESTRICTED	STAFF-IN-CONFIDENCE
b. Requests for recommendations for compassionate leave	UNCLASSIFIED or in exceptional circumstances RESTRICTED	STAFF-IN-CONFIDENCE
c. Recommendations for compassionate leave	UNCLASSIFIED or in exceptional circumstances RESTRICTED	STAFF-IN-CONFIDENCE
d. Disclosure of marital difficulties, concerning:	RESTRICTED	DELTEXT
(1) Junior officers and ratings when handling needs to be strictly limited to specially detailed communication ratings		
(2) Officers (may also include senior communication ratings) when handling needs to be very strictly limited to specially detailed officers	RESTRICTED	DELTEXT OFFICERS

Precedence

85. PRIORITY should normally be reserved for welfare signals requiring immediate action, eg, in cases of serious illness or when the ships movements necessitate a very early reply.

86. Where, in the opinion of the Commanding Officer, the case is likely to involve leave without pay or free discharge, the Naval Board are to be included as an addressee.

Conditional Nature of Social Workers Reports

87. To preserve the confidential nature of welfare reports from whatever source, Commanding Officers are to ensure that they are handled by officers only and strictly on a 'need to know' basis. The only exception to this rule is where the Captains Secretary is not an officer. Instances have occurred where reports or signals have been shown to the member concerned. Under no circumstances are these reports or signals to be shown or read to the member, except that the Commanding Officer may, where considered necessary, inform the member of the contents in general terms only. Practices contrary to the terms of this instruction may prejudice any future help that could be given by the Naval Social Work Service.

References

88. Attention is drawn to Part 6 of this order on the Naval Social Work Service.

89. The provisions of the AUSDIL SCHEME are set out in Instruction 141 in Naval Pay Instructions.

Part 6—Naval Social Work Service

90. The Naval social work service exists to provide a professional service to the Navy and its personnel, where matters of a domestic and compassionate nature are involved.

Social Workers Training and Functions

91. All Naval social workers have completed professional training at University level which involves academic studies and practical experience. These studies develop an understanding of human behaviour, skills in counselling, and an ability to maintain a disciplined relationship with people. The social workers aim is always to help people achieve an understanding of their own problems, and to develop strengths within individuals to overcome their difficulties thus enabling them to function more adequately in the future. The social workers knowledge of community resources in the fields of health, housing, social services, education, and the facilities provided by organisations in the care of children, medical disabilities, mental health service, etc, enable her to give practical help and advice to relieve immediate pressures and prevent more serious situations from arising.

Ethics of Social Work

92. Naval social workers are bound by a code of professional ethics established by the Australian Association of Social Workers. They are conscious of their obligation to respect and safeguard the rights of persons served to a relationship of mutual trust, to privacy and confidentiality in the use of the service, and to the responsible use of the information given.

Use of Services of Naval Social Workers

93. In areas where social workers are appointed, they are to be asked to assist in the following situations:

a. Resquests for compassionate leave, free discharge, LWOP and special postings or leave—Part 5 of this order refers.

b. Applications for priority housing—ABR 5076 refers.

c. Any other matter of a domestic nature which concerns a member and he has requested advice.

d. In addition a direct approach may be made to the social workers by a member, his wife or family although sailors should be encouraged to keep their Divisional Officers informed of their intention.

Preventive Use

94. It is important that all members of the Service are made aware of the functions of social workers in the Navy, and it is imperative, if the best use is to be made of the social workers skills, that members should be advised to seek help as soon as possible, before a serious situation develops, so that breakdowns in their domestic affairs may be averted. In many cases earlier recourse to the social welfare service would probably have had a much happier result, saved unnecessary distress and kept the sailor in the Navy.

Divisional Officers and Social Workers

95. Divisional Officers are responsible for keeping their sailors informed of the existence and functions of Naval social workers so that full use may be made of their services by them or their families. This is to the advantage of both the sailor and the

Service. Close liaison is to be maintained between social workers and Divisional Officers in matters affecting the members welfare. To this end the Principal Social Worker will visit all Commands regularly to discuss ways and means of improving the service with Divisional Officers and social workers.

Members to be Available for Interview

96. When a sailor has asked for assistance from Naval social workers he is to be given every encouragement and assistance. He should be made available for interview by the social worker as soon as the exigencies of the Service will permit.

Confidential Nature of Reports

97. Social Welfare reports are to be handled as laid down in Paragraph 87 of this order.

Recommendations Concerning Free Discharge

98. In cases of free discharge on compassionate grounds, the social workers report will normally contain a recommendation in favour of or against the discharge. The member concerned may be informed of the nature of the recommendation, but if it is unfavourable the member should not be influenced to withdraw his application, but advised that it will receive consideration from all its aspects by the Naval Board.

Functions of Principal Social Worker

99. The Principal Social Worker is responsible for the co-ordination and development of the Naval social work service. This involves the maintenance of professional standards in the selection and functioning of Naval social workers, and providing them with opportunities to develop their professional knowledge and skills. The Principal Social Worker is to provide a consultant service on social work, on community facilities and organisation to the Naval Board, individual personnel and establishments and ships as requested. Direct liaison is maintained between the Principal Social Worker and other Naval social workers on matters of a professional nature.

Naval Social Workers—Areas of Responsibility

100. Naval social workers in local establishments are responsible to the Senior Naval Officer or Officer appointed by him, in matters which involve the service of members; but are free to use their professional ethics, judgment and skills in relation to other areas of their work.

Manner of Request for Assistance of Naval Social Workers

101. Requests for the assistance of Naval social workers may be made by telephone, letter or signal giving whatever information may be considered necessary about the nature of the situation and the persons to be contacted.

102. Signals and letters should contain the information set out in Paragraph 80 of this order.

Location of Naval Social Workers

103. Principal Social Worker
Navy Office
CANBERRA ACT 2600 : 65 3446

Base Welfare Office
Wembley Chambers
104 Hunter Street
SYDNEY NSW 2000 : 221 1677

HMAS ALBATROSS
NOWRA ACT 2540 : Nowra 2 0381 Ext 267

Naval Staff Office
Edward Street
BRISBANE QLD 4000 : 311 611

'N' Block
Victoria Barracks
St Kilda Road
MELBOURNE VIC 3004 : 69 0440 Ext 202/425

Naval Staff Office
Franklin Wharf
HOBART TAS 7000 : 2 7054

HMAS ENCOUNTER
PORT ADELAIDE SA 5015 : 49 6123

HMAS LEEUWIN
FREMANTLE WA 6160 : 39 1522

(DPS (A) 333/201/265)

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HISTORIAN

ANOs 279/70-287/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
30 June 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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17417/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

279/70—Naval Stores (General)—Hand Tools and Portable Power Tools Committee

1. The Hand Tools and Portable Power Tools Committee is an advisory body whose function is to review portable tools supplied to HMA ships and shore establishments. The Committee comprises the following:

General Overseer and Superintendent of Inspection, East Australia Area (Chairman);
Chief Staff Officer (Technical) to FOCAF;
Chief Staff Officer (Technical) to FOICEA;
Representative of General Manager, Garden Island Dockyard;
Representative of Chief Superintendent of Supply, Sydney.

The Secretary is nominated by the General Overseer and Superintendent of Inspection, East Australia Area.

2. The terms of reference of this Committee are as follows:

a. To advise the Naval Board on the policy for, and all matters pertaining to, hand and portable power tools for use in HMA ships and shore establishments.

b. To examine and propose any change considered desirable in type and consequent allowance and stowage of hand and portable power tools at present in use in the RAN.

c. To review existing specifications and propose amendments or prepare new specifications where considered necessary.

d. To acquaint themselves with new development and designs of hand and portable power tools and arrange for practical tests where necessary before recommending the adoption of such tools.

e. To make recommendations for rationalising and standardising hand and portable power tools. In this capacity they will collaborate with the Subcommittee for Hand Tools of the Standardisation Committee of the Joint War Production Committee, Department of Defence.

3. Specialised tools such as those required for Fleet Air Arm purposes and gardening tools are not included in the Committees terms of reference and any request to examine such items should be forwarded to the Naval Board.

Defective Tools

4. Tools which have proved defective under conditions which may be considered fair and normal to the type of tool concerned should be returned to the Superintending Naval Store Officer, Sydney, and a report on Form TM179, forwarded to the Secretary, Hand Tools and Portable Power Tools Committee, Office of General Overseer and Superintendent of Inspection, East Australia Area, Garden Island, in accordance with ABR 4.

5. The defective tool is to be suitably labelled to the effect that it is the subject of a defect report on Form TM179. The Superintending Naval Store Officer, Sydney, will retain the defective tool and make it available to the Committee if necessary for inspection and test.

Trials

6. Results of tests and trials are to be reported on Form TT117—'Report of Material/Equipment Trial'—with a recommendation for distribution to the Secretary, Hand Tools and Portable Power Tools Committee.

7. Navy Order 91/67 is hereby cancelled.

(DMED 8/1/63)

(Navy Order 91/67)

Section 2

PERSONNEL

UNCLASSIFIED

280/70—Aural Standards for Naval Personnel—Recalibration of Audiometers

1. It has been decided to change the audiometric reference zero from that outlined in US Standard Z.24.5—1951 (ASA) to the new International Standard (ISO). The effect of this new audiometric zero is to increase the numbers of decibels when describing an individuals hearing threshold. Full details and conversion tables are contained in RAN Medical Technical Instruction No 107 which is included in Medical Officers Libraries.

2. Since the beginning of 1970 all Naval audiometers are being recalibrated from ASA to ISO by the Commonwealth Acoustic Laboratories at the time of the three monthly inspections made in accordance with ABR 1991 Article 0825.

3. As from 1 July 1970 the ISO Standard is to be used for recording all audiograms. This requires the Naval Aural Standards (NAS) to be adjusted to conform to the ISO audiometers. The levels of hearing acuity for the new NAS are for practical purposes similar to the old NAS.

Naval Aural Standards

4. The loss in decibels in the worse ear using audiometers recalibrated to ISO will be:

Standards on Entry	*500 CPS*	*1,000 CPS*	*2,000 CPS*	*4,000 CPS*
Standard I:				
Seaman, Aircrew, Cadet Midshipman	25	25	25	25
Standard II:				
All other entries	35	35	35	50

5. The present NAS which are promulgated in the following publications and in Paragraph 13 of Navy Order 191/70 are to be amended in manuscript:

ABR 155	RAN Diving Manual Article 0303 (5).
ABR 1991	Naval Medical and Hospital Instructions Articles 0721 (5) and 0813.
RAN Form AM2 (PM102) ..	Instructions for the Medical Examination of Applicants for the Australian Naval, Military and Air Forces. Annexure C, Section 2.

(MDG 1002/52/132)

(Navy Order 191/70)

UNCLASSIFIED

281/70—Requestmen and Defaulters

1. At the discretion of Administrative Authorities, formal sessions of Captains requestmen may be dispensed with and replaced by a procedure whereby requests are dealt with administratively. Under this procedure, Divisional Officers are to investigate requests, prepare minutes and proposed letters, where appropriate, and forward proposals to the Commanding Officer for decision. Although this procedure does away with formal Captains Requestmen sessions, it does not preclude a sailor from seeing his Commanding Officer privately or for the Commanding Officer to see a sailor to discuss a request with him and communicate his decision personally to the sailor. The Captains Request Book, containing a record of requests and decisions, is to continue to be maintained.

2. It is emphasised that there will be no change to the existing custom whereby a sailor may request to see his Commanding Officer privately.

3. The aim of the new procedure is to process requests more efficiently than previously. It is essential, therefore, that all requests are handled expeditiously.

4. All promotions to Leading rank and above are to be made by the Commanding Officer in person.

5. The presentation of the Long Service and Good Conduct Medal is to continue to be made by the Commanding Officer in person on suitable formal occasions which will do some honour to the achievement.

6. Administrative Authorities may revert to traditional procedures at any time.

7. RI will be amended in due course.

(HPB 307/201/42)

UNCLASSIFIED

282/70—Stewards and WRAN Stewards—Summer Working Dress

1. During summer, at the Commanding Officers discretion Stewards may wear cotton flannel and white shorts when serving breakfast and lunch and cotton flannel and No 2 blue trousers for dinner and WRAN Stewards may wear a white dress when serving all meals in lieu of the present authorised dresses.

2. The following items may be laundered at public expense up to a maximum of two garments or set of garments weekly:

a. flannel, cotton, and shorts, white, tropical, when worn in lieu of coat, white, with blue facings by Stewards; and

b. dress, white, when worn in lieu of coat, white, Mess Steward, by WRAN Stewards.

3. ABR 93, Manual of Victualling Stores, Part I, Chapter 29, Paragraph 2905 (4)(b) and Chapter 32, Paragraph 3206 (2)(c) will be amended.

(D of V 900/51/38)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

283/70—Industrial Gas Cylinder—Identification

1. The system of colour coding for identification of industrial gas cylinders is to be replaced by a system of adhesive labels.

2. This system is being adopted by the Australian Manufacturers due to the practice of refilling cylinders with a gas different from that contained previously and due also to the increasing number of commercial mixed gases needing a complexity of colour codings. It is not practicable for the RAN to adopt a system other than that currently in use by the supplier of gases to the RAN.

3. The policy to be adopted therefore as the prime means of identification of contents of industrial gas cylinders is the system of adhesive labels carrying the chemical composition and local name of the contained gas.

4. It is essential that cylinders lacking label identification are not used and are returned to the Superintending Naval Store Officer, Sydney.

5. ABR 4 Naval Storekeeping Manual will be amended in due course.

6. Navy Order 725/69 is hereby cancelled.

(DNS 400/1/427)

(Navy Order 725/69)

UNCLASSIFIED

284/70—Inflatable Dinghy 10 Man (Medium)—Use in the Royal Australian Navy

1. The uses of the Inflatable Dinghy 10 man (medium) have been reviewed and are detailed herein. This dinghy was previously referred to as 'Gemini Craft' and was introduced into service by Navy Order 526/66.

2. It has been decided that this Inflatable Dinghy will be used by Clearance Diving Teams, high freeboard ships for the recovery of personnel from the sea, and Minehunters.

3. The basic dinghy 0472/2226 will be supplied to all users and will include the following items as normal supply with each dinghy:

Group Class	*Catalogue Number*	*Description*	*Acctg Class*	*Denom*	*Qty*
2020	66-033-7333	Sling, multiple leg .. .. (RAN tech spec 111A248-86)	C	No	1
3940	66-035-0700	Bridle, towing .. .. (RAN tech spec 111A248-50)	C	No	1
2090	66-035-0715	Repair kit, inflatable craft ..	C	No	1
0472	5653	Bellows	C	No	1
0472	2178	Leak stopper, No 5	C	No	1
0472	2179	Leak stopper, No 4	C	No	1
0472	2180	Leak stopper, No 3	C	No	1
0472	2355	Repair, clamp	C	No	1
0472	472003	Bailer	C	No	1
2090	66-035-0708	Valise, keelson .. .. (RAN tech spec 111A248-89)	C	No	1
2090	66-035-0709	Valise, hull .. .. .. (RAN tech spec 111A248-90)	C	No	1
2090	66-035-0710	Valise, centreboard .. .. (RAN tech spec 111A248-91)	C	No	1
8105	66-035-0701	Bag, stores .. .. .. (RAN tech spec 111A248-81)	C	No	2
2090	66-035-0702	Keelson, bow .. .. (RAN tech spec 111A248-42)	C	No	1
2090	66-035-0703	Keelson, centre .. .. (RAN tech spec 111A248-45)	C	No	1
2090	66-035-0704	Keelson, aft .. .. .. (RAN tech spec 111A248-46)	C	No	1
2090	66-035-0706	Thwart, portable .. .. (RAN tech spec 111A248-56)	C	No	1
2090	66-035-0705	Bottomboard, folding .. (RAN tech spec 111A248-84)	C	No	1
2090	66-035-0707	Board, butterfly .. .. (RAN tech spec 111A248-40)	C	No	1
2090	66-035-0711	Transom assembly .. .. (RAN tech spec 111A248-10)	C	No	1
0472	L57214	Paddle	C	No	2
0263	1910	Spring hook	C	No	2
0263	5058	Ring	C	No	1
0472	229	Cleat	C	No	1
2090	66-035-0713	Locking bar, floor	C	No	2
4020	66-035-0714	Painter inflatable craft	C	No	1

4. In addition, the items listed below are required for the basic dinghy when used for the roles indicated:

a. CLEARANCE DIVING TEAMS

No additional items required.

b. THE RECOVERY OF PERSONNEL FROM THE SEA

The only additional item required when the craft is used for this purpose is a Strongback complete with associated two legged steel wire rope slings and four terylene steadying lines.

c. MINEHUNTERS

In addition to the Strongback and associated two legged steel wire rope slings and four terylene steadying lines, the inflatable dinghy ten man (medium) used in this role will be fitted with a fairlead and winch assembly. Catalogue numbers for the items involved have been allocated as follows:

Group Class	*Catalogue Number*	*Description*	*DQ*	*CL*
1940	66-032-6405	Strongback; inflatable dinghy c/w two legged steel wire rope slings and four terylene steadying lines	No	P
1940	66-032-6404	Fairlead and winch assembly ..	No	F

5. It should be noted that it is the responsibility of demanding officers of HMA ships and establishments when requesting supply of a dinghy, to ensure that the appropriate auxiliary items to complete the dinghy for the role required, are demanded at the same time.

6. These dinghies are fragile and require considerable maintenance if they are to be kept in a serviceable condition. Maintenance instructions are contained in BR 2117—Gemini Handbook. Every care is to be taken with the craft whilst in use.

(DNS 1236/56/159)

(Navy Order 526/66)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

285/70—ABR 5074—RAN Catalogue of Stores—Status as at 1 February 1970

Navy Order 152/70 is to be amended as follows:

Annex A

amend

Group Class	*Change No*	*Issue No*
6910	1	1
8015	–	1

to read

Group Class	*Change No*	*Issue No*
6910	–	1
8105	–	1

(DSAP 465/52/1292)

(Navy Order 152/70)

UNCLASSIFIED

286/70—Declassification of Counter Measures Equipment and Publications

1. The hardware associated with the following equipments has been downgraded to UNCLASSIFIED:

a. AS-570/SLR;
b. AS-571/SLR—All series;
c. AS-605/SLR;
d. AS-616/SLR—All series;
e. AS-1096/SLR—All series;
f. AS-1173/1174/1175/SLR—All series;
g. AS-899/SLR—All series; and
h. AN/WLR-1 and associated Field Changes—All series.

2. The publications associated with the above equipment and the AS-1023 (XN-1)/SLR antenna, are also downgraded to UNCLASSIFIED.

(DNI 1617/6/18)

RESTRICTED

287/70—Standard Undertaking of Secrecy Form KG106 and Official Secrecy Form KG107

1. Standard Undertaking of Secrecy and Official Secrecy Forms have been printed for completion by civilian staff within Department of the Navy, and should be used in future in lieu of roneoed forms currently in use. The forms are KG106 which is signed by the employee and held on his/her personnel file and KG107 which is retained by the employee.

2. The forms are available from SVSO, each printed in pads of 50 copies, and should be ordered in equal numbers. All new salaried employees, employed under the Public Service Act or Naval Defence Act should complete a copy of Form KG106 and be handed a copy of Form KG107 on joining.

(SEO (S) 464/73/10)

Navy Orders 181/67 to 229/67 are now over three years old and may be disposed of accordingly.

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

17417/70—2

HISTORIAN

ANOs 288/70-296/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
7 July 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

17843/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

288/70—Divers Environmental Observations

Navy Order 115/70 is to be amended as follows:

Paragraph 3: Catalogue number for Divers Wrist Tablets:

delete 4220-66-TSN-9574

insert 4220-66-TSN-9547

(DUW 465/1/1357)

UNCLASSIFIED

289/70—Fire Precautions—Fire Extinguishers

1. Attention is drawn to the necessity for filling water extinguishers to the correct level.

2. Tests have shown that it can be dangerous to overfill a water type extinguisher.

3. There is a danger of rupture occurring at a weld or seam when the extinguisher is brought into operation, if water is above the level indicator fitted inside the extinguisher body.

(DNW 1146/1/85)

Section 2

PERSONNEL

UNCLASSIFIED

290/70—Ships Sporting Colours

Navy Order 218/69 is to be amended as follows:

Insert new colours for HMAS TORRENS:

Jumper	*Socks*
Royal Blue with gold shoulders. Gold Magpie on left breast.	Royal Blue with gold tops.

(DPS (A) 138/6/31)

(*Navy Order 218/69*)

UNCLASSIFIED

291/70—Uniformity in Order of Dress Between Australian Services

1. In order to achieve uniformity, RAN, Army and RAAF personnel serving in the same Australian areas will change over to summer and winter dress on the same date. This date is to be decided locally by Area Commanders and promulgated accordingly.

2. Subject to any subsequent ruling by the Chairman, Chiefs of Staff Committee, the change over of winter and summer dress in Canberra is:

a. Summer to winter dress second Monday in April.

b. Winter to summer dress last Monday in October.

3. The change over dates for HMA Fleet will continue to be ordered by the Flag Officer Commanding.

4. A uniform order of dress between the Australian Services is detailed in Annex A to this order. The Joint Services Ceremonial Dress Table laid down in Appendix 2 to the Uniform Regulations for the RN (BR 81) is to be complied with when attending interservice functions, outside Australia, organised by United Kingdom authorities.

ANNEX A

Orders of Dress

The following are brief summaries of the order of dress for Army and RAAF:

a. *Army:*

(1) Blue Ceremonial ..	Full ceremonial dress (blue) which includes sword and medals.
(2) Ceremonial	Ceremonial dress (khaki or summer khaki) which includes sword and medals.
(3) Mess Undress ..	As for blue ceremonial but without sword and medals or dress epaulettes.
(4) Service Dress ..	As for ceremonial but without sword and medals.
(5) Mess Dress	Mess dress with which miniatures are worn.

b. *RAAF:*

(1) No 2A, B and C Dress	Full ceremonial dress which includes neck decorations and medals, swords being worn if ordered by RAAF authority. Swords are also worn by officers participating in parades.
(2) No 1A and B Dress ..	As for 2A and B dress but without swords and medals. Aiguilettes are worn when ordered.
(3) No 5A and C Dress ..	Mess dress (blue or white mess jacket) with which miniature medals are worn.
(4) No 6A and C Dress ..	Mess undress with which miniature ribbons and cummerbund are worn.

ANNEX B

Joint Service Dress Table

Occasion	*RAN*	*Army*	*RAAF*
1. Anzac Day	4 or 4W	Ceremonial	2A or 2B
2. Audiences, private	5 or 5W	Service Dress	1A or 1B
3. Ball, Service or United Service Institute	2 or 2W	Mess	5A or 5C
4. Calling:			
a. Vice-Regal	1 or 1W	Blue Ceremonial	2A or 2B
b. Other	1, 1W or 4(v), 4W(v)	Ceremonial	1A or 1B
5. Ceremonial Parades	1, 1W or 4, 4W	Blue Ceremonial or Ceremonial	2A or 2B
6. Church Services	5 or 5W	Service Dress	1A or 1B
7. Courts Martial	4 or 4W	Blue Ceremonial or Ceremonial	2A(iv) or 2B(iv)
8. Day or late afternoon function:			
a. Vice-Regal	5 or 5W	Service Dress	1A or 1B
b. Service (1)..	5 or 5W	Service Dress	1A or 1B
9. Dining in a Service Mess:			
a. Formal	6 or 6W	Mess dress	5A, 5C or 6A, 6C
b. Informal	7 or 7W	Mess undress	1A or 1B
10. Escorts	4 or 4W	Ceremonial	2A or 2B
11. Evening function:			
a. Formal at a Vice-Regal Residence or Legislature or when a Lord Mayor is host (2)	2 or 2W	Mess dress	5A or 5C
b. Informal—at the home of an Ambassador, High Commissioner, Consular official or Service attache or at any alternative place	Civilian Clothes		
12. Funerals	1, 1W or 4 4W	Blue Ceremonial or Ceremonial	2A(3) or 2B(3)
13. Guards of honour	1, 1W or 4, 4W	Blue Ceremonial or Ceremonial	2A or 2B
14. Investitures:			
a. Recipients..	5 or 5W	Service Dress	1A or 1B
b. Official guests	1 or 1W	Blue Ceremonial or Ceremonial	2A or 2B
c. Spectators..	5 or 5W	Service Dress	1A or 1B

ANNEX B—*continued*

Occasion	*RAN*	*Army*	*RAAF*
15. Levees	1 or 1W	Blue Ceremonial or Ceremonial	2A or 2B
16. Memorial services:			
a. Indoors (4)	4 or 4W	Ceremonial	2A or 2B
b. Outdoors	4 or 4W	Ceremonial	2A or 2B
17. Official public functions:			
a. Being State occasions ..	1 or 1W	Blue Ceremonial or Ceremonial	2A or 2B
b. Not being State occasions ..	5 or 5W	Service Dress	1A or 1B
18. Receptions:			
a. National Days	5 or 5W	Service Dress or Mess Undress	1A or 1B
b. Armed Forces day	Civilian Clothes		
19. Remembrance Day	4 or 4W	Ceremonial	2A, 2B or 2C
20. RMC, RANC, RAAFC Graduation parades	To conform as closely as possible to the order of dress worn by the Service mounting the parade.		
21. Review of a parade by an officer of another Service	To conform as closely as possible to the order of dress worn by the Service mounting the parade		
22. Service functions which are also attended by the public—Navy open days, Army tattoos, Air Force week (2)	5 or 5W	Service Dress	1A or 1B
23. Trooping the Colour at RMC ..	1	Blue Ceremonial	2A
24. Weddings, military (6)	4 or 4W	Blue Ceremonial or Ceremonial	2A or 2B

Notes: (1) For host service only, other services wear civilian clothes.

(2) Unless the host intimates otherwise.

(3) If not officiating, dress 1A or 1B.

(4) Without swords.

(5) To be confirmed by NOIC, Dress may be amended as necessary to conform with dress of recipient of call.

(6) If uniform approved.

25. Navy Order 84/67 is cancelled.

(DPS (A) 400/2/163)

(*Navy Order 84/67*)

UNCLASSIFIED

292/70—Vaccination and Immunisation

Navy Order 182/70 is to be amended as follows:

a. **Paragraph 8:**
Delete 'Medical and Dental Store Officer, Randwick', *insert* 'Superintending Victualling Store Officer, Pyrmont'.

b. **Paragraph 18, last line:**
Delete '84', *insert* '83'.

c. Directly above Paragraph 54 *insert* as sub-heading 'Anti-poliomyelitis Vaccination (Compulsory at all Locations)'.

d. **Paragraph 67 (c):**
Delete 'Matoux', *insert* 'Mantoux'.

e. **Paragraph 86 (e):**
Add 'in' after 'been'.

(MDG 327/54/87)

(*Navy Order 182/70*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

293/70—Alteration and Addition Item—HMAS SYDNEY

The following Alteration and Addition Item is approved to be carried out in HMAS SYDNEY:

Class List Item No 380 (Ex TDL 'AAR').

a. *Item:* 'To fit automatic controls to the drain pumps in 5H2 ERAs and 5B Ships Company Bathrooms by means of Float Switches and appropriate starters (similar to those items fitted in HMAS MELBOURNE Navy Order 120/69 Alteration and Addition Item Ex TDL "NMCD CLI 231").'

b. The weight change for the item is considered to be negligible.

c. *Reference:* HMAS SYDNEYs Form TM168 (AS1182) TDL 'AAR' dated 3 October 1969 forwarded under cover of FOCAF Memorandum dated 10 November 1969.

(CNTS 1213/53/274)

UNCLASSIFIED

294/70—Corrosion of Fan Impellers and Casings

1. Due to ingress of moisture into ventilation systems, corrosion has occurred on impellers and in casings of fans situated in or near exposed positions. In the case of aluminium alloy impellers with steel fan casings, the accumulation of these corrosion deposits has in some cases caused fouling or seizing of the impellers on the casings.

2. Where this defect is likely to occur, the following remedial steps are to be implemented at the first available opportunity:

a. The impeller is to be removed from its shaft and cleaned back to bare metal using a coarse wire buff, when dipped in nylon II.

b. The casing is to be removed and abrasive grit blasted back to bare metal, then metal sprayed one coat of zinc 0.002 inches thick, and one coat of aluminium 0.003 inches thick.

c. Care must be taken to ensure that the designed clearance between impeller tips and casing is not appreciably altered due to a. and b. above.

(DSD 1215/62/86)

UNCLASSIFIED

295/70—Issue of Aiguillettes and Royal Cyphers

When demanding Aiguillettes or Royal Cyphers from Royal Edward Victualling Yard in accordance with Navy Order 174/70, details of the name and appointment of the officer for whom the Aiguillette or Royal Cypher is required are to be included on Form SX13. The information is to be limited to 40 characters, abbreviations being used as necessary.

(D of V 917/87/16)

(*Navy Order 174/70*)

UNCLASSIFIED

296/70—Naval Stores—Miscellaneous—Class Group 0252—Blowlamps and Brazing Apparatus—Testing

1. Existing instructions provide for the containers and hoses, if fitted, of brazing apparatus, to be pressure tested by contractors prior to delivery and for the date of the test and the pressure applied to be recorded on a metal plate soldered to each container. Items in SNSO Sydneys stocks are subsequently to be re-tested as follows:

a. Before issue to HMA ships and establishments.

b. Before being taken into stock after repair.

c. Every 12 months from the date of the last test.

The date of each test and the pressure applied are to be recorded on the metal plate.

2. It has been decided that the testing before issue shall be discontinued providing the item concerned was tested within the 12 months immediately preceding the date of issue from stock. It is essential, therefore, to check the date of the last test in every instance.

3. After issue from SNSO Sydneys stocks, the instructions in BR 3000 (Marine Engineering Manual), Article 0637, are applicable.

4. Navy Order 382/67 is hereby cancelled.

(DNS 506/51/336)

(*Navy Order 382/67*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 297/70-308/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 July 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

297/70—Requests for Envelopes to be Stamped with Ships Stamps

1. A number of Requests for Ships Stamps to be stamped on envelopes and to be returned to sender have been forwarded to Navy Office by Commanding Officers of HMA ships and establishments.

2. Ships stamps are for official use only and the use of stamps in such a manner is not approved. All such requests are to be returned to the sender with advice that ships stamps are for official use only.

(DNI 37/1/73)

UNCLASSIFIED

298/70—Seat Belts

The Road Safety Council has produced a pamphlet titled 'Seat Belts reduce the effects of the Vicious Second Impact'. The text of this pamphlet is promulgated as Annex A to this Navy Order.

ANNEX A

'SEAT BELTS' reduce the effects of the 'VICIOUS SECOND IMPACT'

1. **Second Impact.** The collision by occupants of a vehicle with objects within the vehicle or outside it (if they are ejected) is called the 'Second Impact'. This 'Second Impact' occurs as a result of sudden deceleration of the motor vehicle either through accident conditions or severe braking.

2. Immediately following the initial impact of a vehicle colliding with another object offering sufficient resistance, there is a short period during which the front of the vehicle is crushed before it stops its forward motion.

3. This period extends for approximatley $^1/_{10}$ of a second, and towards the latter end of this extremely brief period, the occupants of the vehicle and any other loose objects within it are thrown forward AT THE SAME SPEED at which the vehicle was travelling before the initial impact.

4. Severe braking has the same effect as a collision on vehicle occupants and this occurs approximately $^1/_{10}$ of a second after the brakes take effect.

5. It is important for people to realise that the 'Second Impact' is the chief injury producing agent for motor vehicle occupants.

6. **The Forces Developed.** In certain collisions the impact forces involved can reach extremely destructive proportions.

7. For example, in the case of a vehicle travelling at 60 mph, which is subjected to a crash stop in 2 feet, a 14 stone man will strike the interior of the vehicle (or outside object) with an estimated force of 5½ tons.

8. There are many instances on record where fatal and serious injuries have occurred at speeds as low as 15 mph. Furthermore, even though you may be driving at a relatively low speed, another vehicle travelling at a much greater speed could collide with your vehicle without warning and contribute its speed to the total impact force.

9. **The Action of Seat Belts.** The primary function of a seat belt is to limit the effects of these forces, by restraining the movement of an occupants body. The external structure of the vehicle may crumple without serious deformation of the passenger space and it is the ability of the seat belt to hold the occupant in this space which reduces so dramatically the likelihood of fatal or serious injury in a motor vehicle collision.

10. Immediately following sudden deceleration, the normal slack in the belt is first taken up, and thereafter the belt will stretch as the body is decelerated. Again, in the event of a sudden impact, a particularly important benefit which arises from wearing a seat belt is that the wearer is afforded protection from ejection. Statistics show that occupants who are ejected from a vehicle will generally suffer more serious injuries than those who remain in the vehicle.

11. It is vital to remember, however, that a seat belt is of no value in a motor vehicle UNLESS IT IS BEING WORN.

12. **Seat Belts Effectiveness.** In 1960, the Commissioner of the Snowy Mountains Hydro Electric Authority, Sir William Hudson, KBE, made the wearing of seat belts in authority vehicles compulsory for all occupants. Sir William subsequently announced: 'In the five years since the authority made seat belts compulsory, 30 million vehicle miles have been travelled, and notwithstanding a number of accidents—some quite serious—no fatal or serious injury was suffered by any drivers or passengers—except for the death of a driver who removed his belt to reverse his vehicle.'

13. A study conducted at Brisbane General Hospital showed that in 1,000 road accidents, not one person who had been fatally injured had been wearing a seat belt, but where seat belts had been worn, including in many spectacular crashes, there was a consistent avoidance of serious injury.

14. A further study of 1,890 accidents in New Jersey, USA, revealed that seat belts were worn in 99 of the cars involved. None of these persons was killed and 21 sustained some injury. In the vehicles not fitted with belts, 30 people were killed and 755 injured.

15. Related to the number of accidents, injuries were almost twice as high in cars where seat belts were either not fitted or not worn.

16. Statistics available from countries throughout the world indicate that wearing seat belts will reduce fatalities by at least 35 per cent and injuries up to 75 per cent.

17. **Fallacies About Seat Belts.** It is a fallacy that a seat belt is a problem where the wearer is in a burning or sinking vehicle. The fact is that all accidents involving fire and immersion together total less than one accident in every 100. Even in such accidents the belt will provide the wearer with maximum protection against being knocked unconscious, and thus give him a better chance of getting out of the vehicle in these rare circumstances.

18. The buckle of every approved belt is designed to open easily and quickly in emergency, and of course, in normal use.

19. It is a fallacy that it is safer to be ejected from the vehicle in an accident. A study of 3,000 accidents in which 286 people were fatally injured showed that the risk of death for those thrown out was five times greater than for those remaining in the vehicle.

20. It is a fallacy that seat belts are needed only for country trips. The reverse is, in fact, true, for statistics show that 50 per cent of fatalities occur within 5 miles of the victims home.

21. It is a fallacy to claim that seat belts damage clothing. When properly adjusted, crushing of the wearers clothes is minimal.

22. **Seat Belt Installation.** Proper installation of belts is vital to their effective operation, and for this reason, fitting should only be undertaken by experienced persons. This is particularly important where anchorage points have not been provided by the manufacturer as standard equipment.

23. In practically all cars produced since 1965 (with some even earlier), appropriate anchorage points have been provided for the installation of 'three point' (lap/sash) belts in two front seat positions, and in one make of vehicle, anchorage points have also been provided in the rear seat positions.

24. In those vehicles providing three seat belt positions in the front seat, the 'three pointer' (lap/sash) belt is recommended for the two outside positions, and the lap type belt is suggested for the centre position (no upper restraint fixing position being available).

25. The Motor Traffic Regulations in NSW now require that seat belts and seat belt anchorages be installed for the front seat positions in all new passenger cars, station waggons and their utility and panel van derivatives presented for initial registration after 1 January 1969.

26. **Types of Seat Belts.** There are four principal types available as described below:

a. *The Lap Belt.* Similar to that used in aircraft. The body is restrained at the pelvis which is very strong. This belt must be worn with as little slack as possible consistent with comfort.

b. *The Diagonal Sash.* Extends from the floor up and over one hip, diagonally across the body and over the shoulder to the door pillar. The body is restrained at the chest level.

c. *The Lap/Sash or Three Pointer.* This is a combination of a and b and provides both upper and lower body restraint.

d. *Shoulder Harness.* This comprises a lap belt and two shoulder straps passing vertically upwards from the belt and over the shoulders. This restrains the body to the fullest extent possible, ie, at the pelvis and the shoulders (but as indicated earlier, needs to be fitted correctly).

27. Several manufacturers also produce SPECIAL HARNESS FOR PREGNANT WOMEN AND FOR SMALL CHILDREN under six years.

28. The Road Safety Council of NSW recommends the installation of seat belts in the terms of the Motor Traffic Regulations, and also to the rear seat positions. The Council favours the 'three pointer' lap and sash design wherever practicable, on the basis of its effectiveness in preventing ejection and jack-knifing, its ease of installation and its economy and acceptability to the wearer.

29. Information on approved brands and types of seat belts is available from the ROAD SAFETY COUNCIL in your state.

(CONS 177/201/21)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

299/70—Diving Suitability Tests for Ships Diver Candidates

1. Navy Order 863/68 is to be amended as follows:

Delete Paragraph 3 and *insert* the following in lieu:

'The test is considered part of initial diving training, and any candidate for the suitability test must also be examined by a Medical Officer as laid down in ABR 1991, Articles 0720 and 0721. If a recompression chamber is available, the candidate should then undertake a chamber dive to 60 feet; if facilities for a chamber dive are not available, the test may proceed without it.'

2. Navy Order 466/69 refers.

(MDG 311/4/253)

(*Navy Orders 864/68 and 466/69*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

300/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 247 (Ex TDL 'FJ').

a. *Item:* 'Convert 5KA1 Bed Frame Stowage Space to Safety Equipment Store and Liferaft Maintenance Space by the following work:

a. Fit WT hatch in lieu of after manhole access to 5KZ1 compartment, with ladder resited from forward manhole access.

b. Blank forward manhole access to 5KA1 and tile deck above.

c. Fit fluorescent lighting and power outlets for 240V AC and 240V DC.

d. Provide conditioned air supply.

e. Provide 32 foot length (total) Brown built type racking in 5KA1 and 20 foot length (total) in 4K Parachute Maintenance Room.

f. Provide work table in 5KA1 for maintenance work.'

b. Additional weight is 1.68 tons at .8 feet above 4 deck level.

c. *Reference:* HMAS MELBOURNEs Form TM168 (AS1182) TDL 'FJ' dated 1 August 1969 forwarded under cover of FOCAF Memorandum dated 2 September 1969.

(DFM 1213/52/852)

UNCLASSIFIED

301/70—Alteration and Addition Item—HMA Submarines OXLEY and OTWAY

The following Alteration and Addition Item is approved to be carried out in HMA Submarines OXLEY and OTWAY:

Class List Item No 1 (Ex TDL 'NOC').

a. *Item:* 'Sonar Type 776ED—to convert Sonar Type 776ED to 776EH by:

a. converting from 24 volt DC to 115 volt 60 cps single phase supply; and

b. replacing Recorder AP0633/191459 by Recorder AP0633/401308 in accordance with the Installation Specification A/S7323 for Sonar Type 776.'

b. The weight change for the item is considered to be negligible.

c. *Reference:* ANRUKs Memorandum 454/9 dated 3 April 1968.

(CNTS 400/2/926)

UNCLASSIFIED

302/70—Alteration and Addition Item—HMA Submarines OXLEY, OTWAY, OVENS and ONSLOW

The following Alteration and Addition Item is approved to be carried out in HMA Submarines OXLEY, OTWAY, OVENS and ONSLOW:

Class List Item No 19 (Ex TDL 'NOZ').

a. *Item:* 'To fit modified dual pressure firing gear to the bow torpedo tubes, in Accordance with Drawing D1001, Issue B.'

b. Weight compensation of 300 lb is required at Main Flat level.

(CNTS 1218/51/762)

UNCLASSIFIED

303/70—Guns (Other Than Aircraft) OQF 4.5 inch Mark 5—Introduction of 101841 Socket Headed Screw to Replace 141244 Slotted Headed Countersunk Screw

(*DCI (RN) 1136/68*)

1. *Information* .. .. .. The 141244 Screw slotted headed countersunk, in QF 4.5 inch Mark 5 guns is replaced by the 101841 Screw socket headed to facilitate the removal of 141263 Guide spring plunger loading stop.

2. *New Parts Required* .. .. 101841, Screw, socket headed, 60° countersunk, Wedglock fastener, 'Unbrako' ¼ inch BSF × ⅝ inch long.

3. *Schedule of Modifications* .. *Add* Serial No 43.
4. *Parts Affected* .. .. 141263, Guide, spring plunger loading stop.
5. *Nature of Modification* .. .. Replace 141244 Screw slotted headed countersunk with 101841 Screw socket headed.
6. *Urgency* .. .. .. a.
7. *To be done by* .. .. .. f and d, as applicable.
8. *Authority* .. .. .. Navy Order 303/70.
9. *Drawings* .. .. .. NOD 3175/25.
10. *Publications* .. .. .. Warrants of Naval Armament Stores will be amended.

(DAS 706/51/194)

(*Navy Order 303/70*)

UNCLASSIFIED

304/70—Guns (Other Than Aircraft) QF 4.5 inch Mark 5—Modification of 141383 Plug

(*DCI (RN) 1339/69*)

1. *Information* .. .. .. 1. Navy Order 305/70 introduces *Dowty* bonded seals to replace the ring, copper, diamond section, in the valve air blast on QF 4.5 inch Mark 5 guns.
   2. a. Depot stocks of 141383 Plug are to be modified now to facilitate exchanges.
   b. Depot stocks of assemblies are to be modified as convenient but before issue.
   c. HMA Ships—stocks to be modified at next Series Inspection or earlier opportunity.
2. *Temporary Changes in Store References* Pending modification the items detailed in Paragraph 4 are to be transferred to unmodified Store Reference by addition of Suffix 3 (RANAD only).
3. *Schedule of Modifications* .. *Add* Serial No 44.
4. *Parts Affected* .. .. .. 141004 and 141017 Mechanism Assemblies, 141012 and 141025 Valve Assemblies, 141031 and 141044 Pipe Assemblies, 141383 Plug.
5. *Nature of Modification* .. .. Minor Mod to 141383 Plug to ensure tightening down on *Dowty* Seal.
6. *Urgency* .. .. .. *See* Paragraph 1.

7. *To be done by* .. .. d.
8. *Authority* .. .. .. Navy Order 304/70.
9. *Drawings* .. .. .. NOD 3175/31 Item No 4 dated 2 April 1969.

(DAS 706/51/194)

(*Navy Orders 304/70 and 305/70*)

UNCLASSIFIED

305/70—Guns—QF 4.5 inch Mark 5—Air Blast Equipment Modification of 141012 Valve, 141025 Valve, 141031 and 141044 Pipe Assemblies

(*DCI (RN) 1146/67*)

1. *Information* .. .. .. 1. Leaking joints in the air blast system on QF 4.5 inch Mark 6 Mountings have been cured by replacement of NS Pattern copper diamond washers by *Dowty* Seals. The use of these Seals is therefore extended to the air blast equipment on the associated gun.
   2. a. Depot Stocks to be modified as convenient but before issue.
   b. HMA ships—at next series inspection or earlier opportunity.
2. *Temporary Changes in Store References* Pending modification the items detailed in Paragraph 5 are to be transferred to unmodified Store Reference by addition of Suffix 3.
3. *New Parts Required* .. .. a. *Dowty* Seal Type PP45-G (Weapon Reference No 88800-800-201). Replacing Ring, Joint NS Patt 0265/1510.
   b. *Dowty* Seal Type PP45-12 (Weapon Reference No 88800-800-185). Replacing Ring, Joint NS Patt 0265/1503.
   c. *Dowty* Seal Type PP45-E (NS Patt No 0413-943-4347) Replacing Ring, Joint NS Patt 0265/1507.
4. *Schedule of Modification* .. *Add* Serial No 42.
5. *Parts Affected* .. .. .. 141004 Mechanism, 141017 Mechanism, 141012 Valve, 141025 Valve, 141031 Pipe, 141044 Pipe.
6. *Nature of Modification* .. .. Replace NS Patt Copper Diamond washers with *Dowty* Seals.
7. *Urgency* .. .. .. *See* Paragraph 1.
8. *To be done by* .. .. .. d.
9. *Authority* .. .. .. Navy Order 305/70.
10. *Drawings* .. .. .. NOD 3176/18, 3175/31, 3175/33.

(DAS 706/51/194)

(*Navy Order 305/70*)

UNCLASSIFIED

306/70—Naval Stores (General)—Introduction and Allowances of Sprayer Insecticide Stock No 3740-66-035-0716

1. The undermentioned items have been introduced into service for use with penetrants in places with restricted access:

Group Class	*Catalogue No.*	*Description*	*DQ*	*CL*
3740	66–035–0716	Sprayer, Insecticide, manually carried	NO	P
3740	66–035–0717	Extension nozzle, sprayer	NO	C

2. Allowances are as follows:

CVS, AP, AO, AD	2 No each
DDG, DD, DE	1 No each
AGOR, AGSC, AGS, AG	1 No each
MHC, MSC	1 No each
HMA Naval Establishments:	
TARANGAU	1 No each
MELVILLE	1 No each
WATERHEN	1 No each
PENGUIN	1 No each
CRESWELL	1 No each

3. Supply will be effected without demand by the Superintending Naval Store Officer, Sydney, and, on receipt, the 0278/L63349 Dispenser, Jet spray, if held, is to be returned to store.

(DSAP 506/61/944)

UNCLASSIFIED

307/70—Naval Stores—Introduction of Screw Thread Repair Equipment to HMA Ships

1. To enable efficient repair to be effected to damaged screw threads, it has been decided to introduce into service the equipment shown in Annex A to this order.

2. These items have been added to the authorised list of consumable Naval stores.

3. Initial outfit quantities for HMA ships are detailed in Annex B to this order. It has been decided not to introduce this equipment in HMA Naval establishments.

4. Supply will be effected without demand by the Superintending Naval Store Officer, Sydney, when stocks become available.

ANNEX A

Screw Thread Repair Equipment

1	*2*	*3*	*4*	*5*	*6*
Size	*Inserts*	*Taps*	*Inserting Tool*	*Tang Break Off*	*Extractor Tool*
UNF					
¼	5340–00–286–6600	5136–99–580–5790	5120–00–710–7435	5120–00–793–1077	5120–00–723–6833
	5340–00–291–3484	5136–00–825–7119			
	5340–00–290–4497	5136–00–775–5029			
	5340–00–290–4502				
	5340–00–290–4501				
5/16	5340–00–290–4660	5136–99–580–5793	5120–00–797–2405	5120–00–799–5770	—
	5340–00–291–3495	5136–00–825–7109			
	5340–00–514–2321	5136–00–775–5028			
	5340–00–680–3131				
	5340–00–291–3483				
⅜	5340–00–291–3493	5136–00–825–7146	5120–00–710–7437	5120–00–711–7475	—
	5340–00–281–3492	5136–00–825–7090			
	5340–00–990–7159	5136–00–596–4247			
	5340–00–597–3328				
	5340–00–291–3491				
7/16	5340–00–597–3329	5136–00–370–4052	5120–00–797–2407	5120–00–793–1083	5120–00–251–1527
	5340–00–634–7860	5136–00–825–7093			
	5340–00–290–4511	5136–00–972–0399			
	5340–00–993–8180				
	5340–00–993–7207				

ANNEX A—*continued*

1 *Size*	2 *Inserts*	3 *Taps*	4 *Inserting Tool*	5 *Tang Break Off*	6 *Extractor Tool*
UNF—*continued*					
$\frac{1}{2}$	5340–00–598–5634 5340–00–291–3488 5340–00–290–4513 5340–00–290–4507 5340–00–845–1982	5136–00–370–4053 5136–00–825–7096 5136–00–972–0400	5120–00–672–8897	5120–00–793–1086	—
UNC					
$\frac{1}{4}$	5340–00–200–7224 5340–00–290–4481 5340–00–286–2458 5340–00–290–4515 5340–00–290–4489	5136–99–580–5823 5136–00–565–4156 5136–00–775–5034	5120–00–816–5707	5120–00–973–1077	—
$\frac{5}{16}$	5340–00–290–4550 5340–00–290–4521 5340–00–290–4520 5340–00–290–4490 5340–00–820–9229	5136–99–580–5826 5136–00–565–4157 5136–00–775–5033	5120–00–804–6055	5120–00–776–7263	—
$\frac{3}{8}$	5340–00–290–4519 5340–00–290–4518 5340–00–990–7157 5340–00–290–4492 5340–00–682–1453	5136–00–134–7542 5136–00–565–4159 5136–00–775–5032	5120–00–797–2402	5120–00–776–7264	—
$\frac{7}{16}$	5340–00–993–7234 5340–00–290–4506 5340–00–990–9017 5340–00–993–7229 5340–00–993–8194	5136–00–370–4040 5136–00–565–4161 5136–99–580–5834	5120–00–797–2403	5120–00–792–2403	—
$\frac{1}{2}$	5340–00–290–4505 5340–00–290–4504 5340–00–990–7158 5340–00–855–0802 5340–00–603–0365	5136–00–370–4036 5136–00–876–8910 5136–99–580–5837	5120–00–861–1170	5120–00–776–7265	—
BA 0	5340–66–L89305 5340–66–L89306 5340–66–L89307 5340–66–L89308 5340–66–L89309	5136–99–580–5838 5136–66–018–5870 5136–66–035–1635	5120–66–035–1639	5120–66–035–1642	—
2	5340–66–L89310 5340–66–L89311 5340–66–L89312 5340–66–L89313 5340–66–L89314	5136–99–580–5841 5136–66–018–5871 5136–66–035–1636	5120–66–027–3843	5120–66–027–3852	—
4	5340–66–L89315 5340–66–L89316 5340–66–L89317 5340–66–L89318 5340–66–L89319	5136–99–580–5844 5136–66–018–5872 5136–66–035–1637	5120–66–035–1640	5120–66–035–1643	5120–66–035–1645
6	5340–66–L89320 5340–66–L89321 5340–66–L89322 5340–66–L89323 5340–66–L89324	5136–99–913–3742 5136–66–018–5873 5136–66–035–1638	5120–66–035–1641	5120–66–035–1644	—

ANNEX B

Initial Outfit of Screw Thread Repair Equipment to HMA Ships

Taps, Inserting, Tang Break Off and Extractor Tools

One set, including drills to each of the following:

CVS, AP, AD, AO, DDG, DD DARING, DD BATTLE, DE TYPE 12, DE TYPE 15, AGS.

Inserts

36 No of sizes ¼ inch to ½ inch (UNC and UNF) and 36 No of sizes '0' to '6' (BA) to each of the following:

CVS, AP, AD, AO, DDG, DD DARING, DD BATTLE, AGS.

18 No of sizes ¼ inch to ½ inch (UNC and UNF) and 18 No of sizes '0' to '6' (BA) to the following:

DE Type 12.

(DSAP 506/61/558)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

308/70—Textbooks and Equipment on Loan to Undergraduate Officers

1. On completion of a course, or at such other time during the course as may be appropriate, textbooks, reference books or any other equipment issued on loan to a member to assist him in his studies will be recovered from the member.

2. On recovery the items will be held for re-issue in the following order of disposal:

a. where practicable, to other members undertaking courses and requiring similar books or equipment;

b. to Naval libraries, etc, if required as reference books;

c. to a member on loan where appropriate authority certifies that, having regard to the members duties, it is necessary for Service reasons that the member have such books, etc, in his possession as distinct from obtaining them from a Naval library.

3. After new entry undergraduate officers have had new or used textbooks supplied to them for courses, the following establishments are to inform the Medical Director-General, by 31 May each year, of remaining textbooks held:

HMAS KUTTABUL
HMAS MORETON
HMAS LONSDALE
HMAS ENCOUNTER
HMAS LEEUWIN.

Disposal action will then be advised by the Medical Director-General.

4. Navy Order 563/67 is hereby cancelled.

(HPB 465/258/433)

(*Navy Order 563/67*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 309/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
22 July 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

18522/70

Section 2

PERSONNEL

UNCLASSIFIED

309/70—The Services Vocational and Educational Training Scheme

General

1. The Services Vocational and Educational Training Scheme (SVETS) provides facilities for members of the Services to undertake study to improve their educational qualifications or to obtain vocational training in readiness for their eventual return to civil life.

Eligibility

2. All officers, sailors and WRANS of the Naval Forces appointed or enlisted for full-time continuous service are eligible to take the courses described in Paragraph 3 and Annexes B and C, subject to the conditions specified in this order.

Types of Courses Available

3. The courses available are of two types:

a. *Public Authority Institutions.* All correspondence or part-time courses offered by any educational institution in Australia which is administered by a public authority are approved for study under SVETS.

b. *Private Institutions.* Certain courses offered by private institutions are approved for study under SVETS. The approved courses are those which are not available at public institutions, and approval is rescinded if a public institution subsequently introduces a similar course.

Restrictions on Approvals

4. a. Enrolment for a part-time course will be approved only if attendance can be effected in normal off-duty hours.

b. Enrolment will not affect the availability of personnel for posting to meet the requirements of the Service.

c. Enrolment carries no right of Departmental assistance to enable personnel to comply with any compulsory attendance requirements of a course, either in terms of leave or travel.

Details of Courses

5. *Public Authority Institutions.* The range of courses offered by institutions under the control of public authorities are listed in Annex B to this order. Education Officers can obtain full details of the courses by applying to the institutions for copies of their handbooks.

6. *Private Institutions.* Courses available from private institutions (and approved under SVETS) are listed in Annex C to this order. The approved courses are re-examined at three-monthly intervals by the Services Education Co-ordination Sub-committee, comprising the Directors of Education of each of the three Services.

7. Personnel wishing to study a private institution course which is not on the approved list, and does not appear to be available from a public authority institution, should submit an application through their Education Officer to the Director, Naval Education Service, for the course to be considered for approval. Full details of the course are to be attached, including brochures from the institution, cost, etc.

Personnel must not enrol for such a course until advice is received of its acceptance, as entitlements under SVETS date from the time of course approval and cannot be made retrospective.

University Courses

8. Though Universities are public institutions and are thus fully approved under SVETS, conditions relating to enrolment for university study are unique and are detailed in Annex A to this order.

Refund of Fees

9. *Amount of Refund.* Subject to satisfactory progress on course, a member will be eligible for a refund of fees paid whilst in the Service in accordance with the following scale:

a. Members with less than 15 years service at time of enrolment for course or course unit—75 per cent of cost of course.

b. Members with 15 years service or more at time of enrolment for course or course unit—100 per cent of cost of course.

Note: 'Service' is defined as total service, not necessarily continuous, with HM Australian Armed Forces.

Fees Refundable

10. For refund purposes, the cost of a course may include any of the following fees which a member has paid:

a. Entrance fee.
b. Course fee.
c. Lecture and demonstration fees.
d. Library fees.
e. Examination fees, including supplementary examination fees for one subject per year.
f. Certain tutorial fees.
g. Laboratory and experiment fees.

The following will *NOT* be allowed for refund purposes:

h. Matriculation fees.
i. Degree fees.
j. Union fees.
k. Sports fees.
l. Any other non-essential fees.
m. Textbooks, instruments or other expenses for materials.

Time Limits for Course Completion

11. Members are eligible for refunds if courses are completed as follows:

a. Successful completion of any course (or course unit) whilst still serving and within two years of the date of enrolment; or

b. Successful completion of at least 50 per cent of a course (or course unit) before discharge from the Service, provided that the period between the date of enrolment and the date of discharge does not exceed 18 calendar months.

Definition of 'Successful Completion'

12. A course (or course unit) will be regarded as successfully completed when any of the following conditions has been fulfilled:

a. In connection with any type of course, a final examination, internal or external, has been passed to the satisfaction of the teaching institution.

b. In connection with any type of course, all prescribed work assignments have been completed to the satisfaction of the teaching institution, regardless of final examination results.

c. In connection with an attendance course, the student has made at least 80 per cent of the possible attendances or has made attendances and has been granted 'attendance credits' such as will bring the total of attendances and attendance credits to at least 80 per cent of the possible attendances, provided, however, that the total attendance credits does not exceed 30 per cent of the possible attendances.

The Education Officer will complete an attendance credit card for each member who enrols for an attendance course, and will endorse the card whenever the member is prevented by Service duties from making a scheduled attendance. Stocks of PE105 (AS2092Z), the Attendance Credit Card, are available on demand from SNSO, Sydney.

Discontinuance Due to Service Exigencies

13. In the case of a member who is enrolled for a course of study under SVETS being so posted as to preclude his continuance of the course and it being established that the course cannot be deferred, then that member may apply for a refund of the course fees he has already paid. In such cases it must be proved to the satisfaction of the Services Education Co-ordination Committee that the exigencies of the Service prevented continuation or deferment of the course. Full details of such cases are to be submitted to the Director, Naval Education Service, for Committee consideration.

Administrative Procedure

14. Application for a course is to be made direct to the teaching institution on Part A of Form PE104, obtainable from Education Officers. (Stocks of Form PE104, the Application for Correspondence Course or Attendance Course, are available on demand from SNSO, Sydney.)

15. The form must bear the endorsement of the Education Officer before being submitted to the teaching institution. The name, official number and rank of the applicant must also be inserted on Parts B and C of the form.

16. If the enrolment is accepted, Part B of Form PE104 (Notice of Enrolment) will be returned to the student, who should hand it to his Education Officer. Education Officers are to forward these notices of enrolment in monthly batches to Director of Naval Education Service. Failure to forward them may prejudice subsequent claims for fee refunds.

17. When a course (or course unit) has been completed, the student must apply to the teaching institution for the return of Part C of Form PE104 (Certificate of Completion) and must hand this Certificate, together with an application for a refund of fees, to the Education Officer for forwarding to the Director, Naval Education Service, Department of the Navy, Canberra, ACT 2600. Where fees, other than those receipted by the teaching institution on Part B (Notice of Enrolment), have been paid, receipts for such fees must be forwarded with the application for refund of fees.

18. Refund will be effected as a miscellaneous credit to the pay account of the officer or sailor concerned.

Special Conditions for Members of the Papua-New Guinea Division

19. The following special conditions apply to members of the Papua-New Guinea Division undertaking a course through SVETS:

a. *Fees.*

(1) Members with less than 15 years service at time of enrolment for course or course unit will pay 25 per cent of the cost of course.

(2) Members with 15 years service or more at time of enrolment for course or course unit will pay no fees.

b. *Administrative Procedure.*

(1) When members, with the advice and guidance of the Education Officer, have decided to study an approved course, enrolment should be effected by Naval Officer-in-Charge, New Guinea.

(2) Naval Officer-in-Charge, New Guinea, is to pay the course fees to the teaching institution, recovering 25 per cent from the member if he comes under Paragraph 19a (1) above.

(3) Enrolment forms and fee slips (Part B of Form PE104) should be forwarded to the Director, Naval Education Service, for retention.

(4) Completion slips (Part C of Form PE104) should be forwarded to the Director, Naval Education Service, when the member has finished the course. If the course is not completed, within the rules laid down in Paragraphs 11 and 12 of this order, then action should be taken by the Naval Officer-in-Charge, New Guinea, to recover the proportion of the course fees for which the member is liable.

20. Navy Order 321/69 is hereby cancelled.

ANNEX A

University Study Under SVETS

1. As stated in Paragraph 8 of this order, all courses of study available from Universities are approved under SVETS. However, few Universities have External Studies Departments, and of those that do, some apply residential restrictions against enrolment.

2. Personnel may enrol for any part-time or external course offered by any Australian University, but the restrictions detailed in Paragraph 4 of this order apply.

3. For personnel who, mindful of Paragraph 4, decide to enrol in an External Studies course, the Armed Forces have an arrangement with the University of Queensland whereby external courses are available. The regulations relating to enrolment in the University of Queensland are detailed in Annex A, and must be observed in all respects, as irregularities may result in the University withdrawing the present privileges.

Courses Available Through the University of Queensland

4. Courses of study are offered externally in the Faculties of Arts, Commerce/Economics, Law, Education and Divinity. The subjects available by correspondence each year are detailed in Faculty Handbooks. Faculty Handbooks and University Calendars are available for perusal from Senior Instructor Officers in HMA Ships

ANNEX A—*continued*

ALBATROSS, CERBERUS, CRESWELL, LEEUWIN, MELBOURNE, NIRIMBA, TARANGAU and WATSON; and are also held by Fleet Instructor Officer and the Director, Naval Education Service. Personnel who wish to purchase their own Handbooks may do so by writing to the University Bookshop, University of Queensland, St Lucia, Qld 4067.

Applications for Enrolment

5. Enrolments by members of the Services are co-ordinated by the:

Deputy Assistant Director of Army Education (DADAE)
Headquarters Northern Command
Victoria Barracks
BRISBANE QLD 4000.

When members wish to undertake a course, all correspondence must be through DADAE. The University refuses to enter into direct correspondence with Service applicants for courses. DADAE Northern Command is responsible for handling the administrative requirements of all Servicemen. The following must be directed to him:

a. All inquiries relating to entrance requirements, provision of enrolment forms and instructions.
b. Completed 'Application for Enrolment' form and 'Application for External Notes' form.
c. Evidence of academic qualifications and payment of fees.
d. Entries, and fees where applicable, for examinations and correspondence relating to the establishment of examination centres.
e. Notifications of change of address or of enrolment and of cancellation of enrolment.
f. Requests for official University statements.
g. All other matters of an official nature between members and the University in general.

6. Intending students who have not previously been enrolled at the University and whose qualifications were not gained at the Queensland Senior Examinations should submit their academic qualifications for decision on admission status at an early date (*see* Paragraph 11 of Annex A). Applications for admissions are to be supported by documentary evidence of age and academic qualifications held.

7. Applications for enrolment must be submitted on time and must be supported by a Service Education Officer. The Education Officer is required to certify that the member applying cannot conveniently enrol at another University. Early enrolment ensures early receipt of the appropriate Introductory Outlines of the subjects for which the member enrols. These outlines set out the preliminary reading that students should undertake to enable them to begin effective study as soon as formal lecture material is distributed.

Fees

8. The scale of fees is determined by the University and is set out in the University Calendar. In determining the rate of fees to be paid per unit, the following rules apply:

a. If the members qualifications for admission were gained at the Queensland Senior Examination—Column I fees, that is, without an excess charge.
b. All other members—Column II fees, that is, with an excess charge.

ANNEX A—*continued*

9. Fees are to be paid through any branch of the Commonwealth Bank or by cheque made out to the University of Queensland. Payment will be accompanied by the Universitys fee payment slip which acts as the members receipt. Fees must be paid by due date.

Examinations

10. Members must be prepared to meet the Universitys requirements for the establishment of examination centres. Members serving outside Queensland will generally be required to attend at a University or University College but other centres may be established where the number of examination entries warrants it and acceptable supervisors are available.

Dates to be Observed for Students Each Year

11. *Detail*	*To reach DADAE N Cmd NOT LATER THAN—*
a. Submission of academic qualifications of intending students in accordance with Paragraph 6	Last Friday in October.
b. Requests for enrolment forms, information and instructions	Third Friday in December.
c. Submission of enrolment forms; payment of first term fees without late fee	Second Friday in January.
d. Final submission of enrolment forms; payment of fees with late fee	Second Friday in February.
e. Payment of second term fees without late fee	Second Friday in May.
f. Submission of applications for annual degree examinations	Last Friday in June.
g. Payment of third term fees without late fee	First Friday in August.

Course Continuation

13. Notwithstanding Paragraph 5, when students have been enrolled and are progressing with a course of study, the following matters should not be directed to DADAE N Command but to:

Department of External Studies
University of Queensland
ST LUCIA, QLD 4067.

a. All matters concerning the members studies including requests for assistance and guidance.
b. All written assignment work.
c. All other matters of an academic nature.

ANNEX B

Index of Courses Available from Public Institutions in Australia

Notes:

1. In all cases, write to the institutions for full details of the course desired before enrolling.
2. Academic subjects are not listed, as these are offered by all State institutions.
3. Some of the courses are 'restricted'; ie, reserved for persons in the particular trade to which the course refers.
4. Addresses of the institutions are as follows:

New South Wales

School of External Studies
NSW Department of Technical Education
No 1 Broadway
BROADWAY NSW 2007

Victoria

Division of External Studies
Royal Melbourne Institute of Technology
340 Swanston Street
MELBOURNE VIC 3000

Queensland

Technical Correspondence School
Department of Education
Cnr Grey and Melbourne Streets
BRISBANE QLD 4000

South Australia

Technical Correspondence School
Education Department South Australia
Extension Services Building
221-227 Wakefield Street
ADELAIDE SA 5000

Western Australia

Education Department of Western Australia
Technical Education Division
Technical Extension Service
480 Newcastle Street
PERTH WA 6000

Tasmania

Correspondence Tuition Department
Hobart Technical College
26 Bathurst Street
HOBART TAS 7000

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Accountancy	—	—	X	X	—	—
Accountancy, cost	X	X	—	—	X	—
Accountancy,diploma, chartered institute	—	—	—	—	X	—
Administration, business organisation and advertising copywriting	—	—	—	—	X	—
Advertising—Principles and practice	—	X	—	—	—	—
Agriculture	X	—	X	—	X	X
Agriculture mechanics certificate	—	—	—	—	X	—
Air-conditioning	—	—	X	—	X	—
Ambulance brigade	X	—	X	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Anatomy and physiology of farm animals	—	—	—	X	—	—
Animals, care of	X	—	—	—	—	—
Apiculture	—	—	X	—	—	—
Applied electricity, heat mechanics	—	X	—	—	—	—
Arithmetic, commercial ..	—	—	—	—	X	—
Armature winding	—	X	—	—	—	—
Art, commercial	—	X	X	—	X	—
Art, knowledge of and pure design	—	X	—	—	—	—
Art, floral	—	—	—	X	X	—
Art, teachers' certificate ..	—	—	—	X	X	—
Art, women's handicrafts ..	X	—	—	—	—	—
Astronomy for surveyors ..	—	X	—	—	—	—
Auctioneers, real estate, business agents	X	—	—	—	—	—
Automotive electrician ..	—	X	—	—	—	X
Automotive mechanic ..	X	—	—	—	—	—
Baking trade	—	—	X	—	X	—
Bankers' institute courses ..	—	X	—	—	X	—
Beekeeping	X	—	—	—	X	—
Blacksmithing	—	—	X	—	X	—
Boiler attendance	—	X	—	—	X	X
Boiler attendants' certificate ..	X	—	—	X	—	—
Boilermaking	—	—	X	—	—	—
Bookbinding	X	—	—	—	—	—
Bookkeeping	X	X	X	X	X	—
Breadmaking	X	X	—	—	—	—
Bricklaying	—	—	X	—	—	—
Brickwork, theory	—	—	—	—	X	—
Builders quantities	—	X	—	—	—	—
Builders registration examination	—	—	—	—	X	—
Building certificate	—	—	—	X	—	—
Building construction ..	X	X	X	—	X	—
Building trade calculations ..	X	—	—	—	—	—
Business principles, studies ..	—	X	—	X	—	—
Buttermaking	—	—	X	X	—	—
Carpentry and joinery ..	X	X	X	X	X	X
Cane basketry	—	—	—	—	X	—
Cheesemaking	—	—	X	X	—	—
Cinematograph operators ..	—	—	—	—	X	—
Clerk of petty sessions ..	—	—	X	—	—	—
Cloth finishing	—	X	—	—	—	—
Coal mining, colliery managers	—	—	X	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Commerce, general	X	X	—	X	X	—
Commerce, certificate ..	—	—	—	—	X	—
Commercial principles and Correspondence	X	X	—	—	—	—
Company secretarial practice ..	X	—	—	—	—	—
Computations	—	X	—	—	—	—
Concrete technology and practice	—	X	—	—	—	—
Construction foreman, methods, equipment	—	X	—	—	—	—
Coppersmithing	—	—	X	—	—	—
Correspondence, business ..	—	—	—	X	—	—
Cost analysis	—	—	—	—	X	—
Cotton yarn technology ..	—	X	—	—	—	—
Dairy cattle, raising	—	—	X	—	—	—
Dairy farming, produce ..	X	—	—	—	—	—
Dairy farming, technology ..	X	—	—	—	X	—
Decorating, cake	—	—	—	—	X	—
Decorating, home	—	—	—	—	X	—
Decorating, interior	—	X	—	—	X	—
Design, fashion	—	—	—	—	X	—
Diesel engines, automotive ..	—	X	—	X	—	—
Diesel engines, fitting ..	—	—	—	—	—	X
Diesel engines, high speed ..	—	—	—	—	X	—
Diesel engines, operation ..	—	—	X	—	—	—
Drafting, pattern	—	—	—	—	X	—
Drainers	—	—	X	—	—	—
Drawing, engineering ..	—	X	—	—	—	—
Drawing, freehand, geometric ..	X	—	X	—	—	—
Drawing, model, nature, radio..	—	X	—	—	—	—
Drawing and sketching ..	X	—	—	—	—	—
Dressmaking	X	X	X	—	X	—
Earthmoving equipment ..	—	—	—	—	X	—
Education for teachers classification B	—	—	—	X	—	—
Educational administration ..	—	—	—	—	X	—
Electrical fitting	X	X	X	—	—	—
Electrical mechanics and fitters	X	X	X	—	—	X
Electrical science for radio ..	—	—	X	—	—	—
Electrical trade calculations, theory	—	—	—	—	X	—
Electrical wiring	—	X	—	—	—	X
Electrical workers board ..	—	—	X	—	—	—
Electricians licensing examination	X	—	—	—	—	—
Electronic mechanics' certificate	—	X	—	—	—	—
Engine driving	—	X	—	—	X	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Engineering, civil	X	X	—	—	X	—
Engineering, electrical ..	—	X	—	—	X	—
Engineering, gas	X	—	—	—	—	—
Engineering, highway and harbour	—	X	—	—	—	—
Engineering, mechanical ..	X	X	X	—	X	—
Engineering, mining	—	—	X	—	X	—
Engineering, other	X	X	—	—	X	—
Engineers Part A, Second Class marine	—	—	—	—	X	—
Engines, diesel	—	X	X	X	X	—
Engines, internal combustion ..	—	—	—	X	X	—
English, modern for foreign students	—	—	—	X	X	—
Explosives and shotfiring ..	X	—	—	—	—	—
Export examinations, institute of	—	X	—	—	—	—
Fabric technology	—	X	—	—	—	—
Farm mechanics	X	—	X	—	—	—
Farm and vine culture ..	—	—	—	X	—	—
Fire brigade officers	—	—	—	—	X	—
Fitting, machining, turning ..	X	X	X	X	X	X
Flower-making, artificial ..	—	—	—	—	X	—
Food inspection	—	—	—	X	—	—
Food and nutrition	—	—	—	—	X	—
Fruitgrowing in WA	—	—	—	—	X	—
Furnishing, soft	—	—	—	—	X	—
Gardening, municipal and landscape	—	—	—	X	X	—
Gardening, home	—	X	—	X	—	—
Gas fitting	X	X	—	—	—	—
Geodesy	—	X	—	—	—	—
Graphics	—	X	—	—	—	—
Greenkeeping	X	—	—	—	—	—
Hairdressing	—	—	—	X	—	—
Hairdressing, ladies	X	—	X	—	X	X
Hand composing	X	—	X	—	—	—
Hand and machine composing..	—	—	X	—	—	—
Health examinations, Royal Society of	—	—	—	—	X	—
Health—Inspection	X	X	—	X	—	—
Health, personal and communal	—	—	—	—	X	—
Health, public	—	—	—	X	—	—
Horses, raising and management of	—	—	X	—	—	—
Horticulture	—	—	X	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
House drainage	X	—	—	—	—	—
Hydraulics	—	X	—	—	—	—
Hydrography	X	—	—	—	—	—
Illumination	—	X	X	—	—	—
Illustration, commercial, fashion	—	—	—	—	X	—
Imaginative composition ..	—	X	—	—	—	—
Indonesian, elementary ..	—	X	—	—	—	—
Insurance, Incorporated Australian Institute	—	—	X	—	X	—
Journalism, freelance.. ..	—	X	—	X	X	—
Lampshade making	X	—	—	—	—	—
Land classification, valuation, utilisation	—	X	—	—	—	—
Landbrokers certificate licensed	—	—	—	X	—	—
Law, commercial and company	—	—	—	—	X	—
Leatherwork	—	—	—	—	X	—
Lettering	—	X	—	—	X	—
Letterpress machining ..	—	X	X	—	X	—
Linotype composition ..	X	—	—	—	—	—
Liquefied petroleum gas installers certificate	X	—	—	—	—	—
Literary courses, criticism ..	—	X	—	—	X	—
Local government accounts ..	—	—	X	—	—	—
Local government administration certificate, diploma ..	—	X	—	—	X	—
Local government auditors' certificate..	X	—	—	—	—	—
Local government clerks ..	X	—	X	X	—	—
Local government overseers' certificate..	—	—	—	X	—	—
Machinery and scaffolding certificate	—	—	X	—	—	—
Macrame work	—	—	—	—	X	—
Management, commercial and office	—	—	—	—	X	—
Management diploma associateship certificate	—	—	—	—	X	—
Management, farm	X	—	—	X	—	—
Management, home	—	—	X	—	X	—
Management, small business ..	—	X	—	—	—	—
Marine engineering	X	—	—	—	X	—
Market milk	—	—	X	—	—	—
Market research	—	—	—	—	X	—
Meat inspection	X	—	X	—	—	—
Mechanics, automotive ..	X	—	—	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Mechanics, dental	—	—	X	—	—	—
Mechanics, radio	—	—	X	—	—	—
Mechanics, refrigeration ..	X	X	X	—	—	X
Media, advertising	—	—	—	—	X	—
Merchandising, wholesale, retail	—	—	—	—	X	—
Metallurgy for engineers ..	—	X	—	—	—	—
Milk and cream grading, testing	—	—	X	X	—	—
Millinery	X	—	—	—	X	—
Mill engineering, textiles ..	—	X	—	—	—	—
Mine electricians	—	—	X	—	—	—
Motor car owner drivers ..	—	X	X	—	—	—
Motor maintenance	X	X	—	X	X	—
Motor mechanics	—	X	X	—	X	X
Moulding	—	—	X	—	—	—
Municipal clerks, treasurers ..	—	—	—	—	X	—
Nature science	—	—	—	X	—	—
Navigation, coastal	—	X	—	—	X	—
Navigation, practical.. ..	—	—	—	—	X	—
Nursery practice	—	—	—	X	—	—
Nurses' entrance examination ..	X	X	—	X	—	—
Nursing, preparatory.. ..	—	—	—	—	X	—
Overhead linesman's course ..	X	—	—	—	—	—
Painting and decorating ..	—	X	X	—	—	X
Painting, oil	—	—	—	—	X	—
Panel beating	—	—	X	—	—	X
Papermaking	—	X	—	—	—	—
Pastures, soils	—	—	—	—	X	—
Pattern making	—	—	X	—	—	—
Pest control..	X	—	—	—	X	—
Pig raising	X	—	X	—	—	—
Pilot licence, private	—	—	X	—	X	—
Pilot licence, commercial ..	—	—	—	—	X	—
Plastering	—	—	X	—	—	—
Plumbing	X	X	X	—	X	X
Plumbers' licence	—	—	X	—	—	—
Police entrance examination ..	X	X	—	—	—	—
Police draughtmanship ..	X	—	—	—	—	—
Postal entrance examination ..	—	X	—	—	—	—
Pottery	—	—	—	—	X	—
Poultry farming	X	—	X	—	X	—
Poultry keeping (Domestic) ..	—	—	—	—	X	—
Printing, composing	—	—	—	X	X	—
Printing, letterpress	X	—	—	X	—	—
Printing, linotype composition..	X	—	—	—	—	—
Printing, technique, advertising	—	—	—	—	X	—
Projectionists, motion picture ..	—	X	—	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Psychology, educational ..	—	—	X	X	—	—
Public administration certificate	—	—	—	—	X	—
Public Service examinations ..	—	X	—	—	—	—
Radio receiving, servicing ..	—	—	X	—	—	—
Radio station operators ..	—	X	—	—	—	—
Radio and television	—	X	—	—	—	—
Radiography	—	X	—	—	—	—
Raw materials (textiles) ..	—	X	—	—	—	—
Real estate agents' licence, management	—	X	—	—	—	—
Real estate practice	—	—	X	—	—	—
Refrigeration engineering ..	—	—	—	X	X	—
Research, market	—	—	—	—	X	—
Road construction	—	—	—	—	X	—
Road foreman and municipal works superintendent ..	—	X	—	—	—	—
Roofing, steel square	—	X	—	—	—	—
Salesmanship	—	X	X	—	X	—
Sales institute	—	—	—	—	X	—
Secretaries, Chartered Institute of	—	—	X	—	X	—
Shearing shed management and bookkeeping	X	—	—	—	—	—
Sheep	—	—	X	—	—	—
Sheep and wool certificate ..	—	—	—	—	X	—
Sheep and wool classing ..	X	—	—	—	—	—
Sheetmetal work	—	—	X	—	—	—
Shorthand	X	X	—	X	X	—
Short story writing	—	X	—	X	X	—
Showcard and ticket writing ..	X	—	X	X	X	—
Signwriting	X	X	—	—	—	—
Sketching, landscape	—	—	—	—	X	—
Sketching, pen and pencil ..	—	—	—	X	—	—
Social science and welfare psychology	—	—	—	—	X	—
Social studies associateship and diploma	—	—	—	—	X	—
Sociology	—	X	—	—	—	—
Soils and pastures	—	—	—	—	X	—
Steam engine driving	—	—	X	X	X	—
Steam engine operation ..	X	—	—	—	—	—
Stipendiary magistrates ..	—	—	X	—	—	—
Stonemasonry	—	—	X	—	—	—
Structure, theory and design ..	—	X	—	—	—	—
Supply management	—	—	X	—	—	—
Survey draughtmans certificate, land and engineering ..	X	—	—	—	—	—

ANNEX B—*continued*

—	*NSW*	*VIC*	*QLD*	*SA*	*WA*	*TAS*
Surveying, engineering, land ..	—	X	—	—	X	—
Surveying, laws	—	X	—	—	—	—
Surveying, shire council ..	—	—	—	—	X	—
Surveyors, mining	—	—	X	—	—	—
Surveyors, powers and duties for municipal building ..	—	X	—	—	—	—
Teachers' art certificate ..	—	—	—	X	X	—
Teachers certificate	—	—	—	—	X	—
Teaching methods for technical teachers, organisation ..	—	—	X	—	—	—
Teaching, principles and practices	—	—	—	X	—	—
Technical education, history, principles, methods ..	—	—	X	—	—	—
Television operators	—	X	—	—	—	—
Textile mathematics, technology testing	—	X	—	—	—	—
Ticket and showcard writing ..	X	—	X	X	X	—
Timber practice	—	—	—	—	X	—
Timber production	—	X	—	—	—	X
Town planning	—	—	—	X	—	—
Town, country, regional planning	—	X	—	—	—	—
Trade courses, building, automotive, electrical, metal and other	X	X	X	X	X	X
Trade courses, preparatory ..	—	X	—	—	X	—
Transport, administration ..	X	X	—	—	—	—
Transport, institute of examinations	—	—	—	—	X	—
Typewriting	X	X	—	X	X	—
Valuation, land, real estate ..	—	X	—	—	—	—
Watercolour techniques ..	—	—	—	X	X	—
Water supply, sewerage and swimming pool treatment ..	—	—	X	—	—	—
Weed control	—	—	—	X	—	—
Weights and measures ..	—	X	—	—	—	—
Welding, electric, oxy ..	—	X	—	—	X	X
Wood technology	X	—	—	—	—	—
Wool	—	—	X	—	—	—
Woolcarding and combing ..	—	X	—	—	—	—
Woolclassing	X	X	—	X	—	—
Woollen yarn manufacture ..	—	X	—	—	—	—
Works supervision	—	X	—	—	—	—
Worsted drawing and spinning..	—	X	—	—	—	—
Writing for radio	—	X	—	—	—	—
Writing, short story	—	X	—	X	X	—

ANNEX C

Services Vocational and Educational Training Scheme

1. Courses offered by private teaching institutions and approved by the SVETS Co-ordinating Committee. Complete list as at 1 June 1970:

Institution	*Course*
ADAPS (SA) Pty Ltd 72 Broughton Place NORTH ADELAIDE SA (67 3188)	1. Electronic Data Processing Courses (attendance part-time)
Adelaide School of Japanese Language 31 Gilbert Place ADELAIDE SA (51 2774)	1. Basic Japanese (part-time attendance)
Associated Teachers Training Institute Mercer House 11 Mercer Road MALVERN VIC (20 2753 or 20 4364)	1. Teacher Training Courses
Australian Chiropodists Assn 245 Punt Road RICHMOND VIC (42 5027)	1. Chiropodic Appliance Making (three year Diploma Course—full-time only) *Note:* Available only for Post-discharge training
Australian College of Dental Surgeons (Sydney)	1. Post-graduate and Fellowship Courses
Australian College of Theology	1. Fees for Licentiate in Theology Examination 2. Correspondence tuition available from St Marks Library, Canberra
Dental Assistants Association 218 Castlereagh Street SYDNEY	1. Dental Assistants Training Course
Australian Dental Association (Victorian Division) 44 Mathoura Road TOORAK VIC (24 4576 or 24 4661)	1 Advanced Course of Training for Dental Nurses 2. Basic Dental Assistants Course 3. Dental Nurses Training Course
Australian Institute of Export (Melb) 60 Market Street MELBOURNE VIC (62 1661)	1. Associate Training Course
Australian Institute of Management 31 Queens Road MELBOURNE VIC	1. Psychology for Executives 2. Interviewing for Staff Selection
Australian Institute of Radiography (NSW Branch) 6 Chalmers Street BELMORE NSW 2192	1. Radiography and Radio-therapy
Australian-Japan Society Suite 23, 428 St Kilda Road MELBOURNE VIC (267 1940)	1. Advanced Japanese

ANNEX C—*continued*

Institution	*Course*
Australian Pharmaceutical Science	1. Course in Pharmaceutical Science
Australian Postal Institute (Victorian Division) 199 William Street MELBOURNE VIC (63 0331)	1. Range of courses Sub-Intermediate (Vic) to Leaving (Vic)
Bankers Institute of Australasia 51 Queen Street MELBOURNE VIC (61 2985)	1. Accountancy
Barristers Admission Board (NSW)	1. Student-at-Law Course
Berlitz School of Languages 147 Collins Street MELBOURNE VIC (63 4638)	1. Dutch Language 2. Elementary Russian 3. German (private tuition only)
Bradshaw Business College 406 Lonsdale Street MELBOURNE VIC	1. Calculator Operating
Bricklaying School of WA (Perth) 63 Russell Street MORLEY WA 6062	1. Bricklaying
Brisbane Engineering Academy Teachers Building BRISBANE QLD	1. First and Second Class Engineers Certificate 2. First Class Engine Drivers Certificate
British Institute of Careers (a division of BIET) 113 Pacific Highway NORTH SYDNEY (92 0807)	1. Secretarial Correspondence Course 2. Australian Chamber of Shipping. Shipping Clerk Exam
British Institute of Engineering Technlogy (Sydney) 113 Pacific Highway NORTH SYDNEY (92 0807)	1. Advanced Electronics (TC76) 2. Aircraft Maintenance Engineers Licence—'Airframes' (Ae 8A) 3. Aircraft Maintenance Engineers Licence—'Engines' (Ae 12A) 4. Air Transport Course (Ae 33) 5. Architectural Draughtmanship and Building Design 6. Associateship Fellowship Royal Aeronautical Society—AFRAes (Ae 4) 7. Associate Membership Institute of Automotive and Aeronautical Engineers—AMIAAE (Au 20) 8. Associate Membership Institution of Engineers Aust—AMIE (Aust)—(AU 4)

ANNEX C—*continued*

Institution	*Course*
British Institute of Engineering Technology (Sydney) 113 Pacific Highway NORTH SYDNEY (92 0807)	9. Associate Membership Institution of Mechanical Engineering—AMI Mech E (M 4) 10. Associate Membership Society of Engineers (Civil)—AMSE (Civ)—(C 1) 11. Associate Membership Society of Engineers (Elec)—AMSE (Elec)—(E 1) 12. Associate Membership Society of Engineers (Mech)—AMSE (Mech)—(M 1) 13. Automotive Fundamentals—Individual cases to SECC 14. Draughtsmanship (M 29) 15. Electrical Drawing and Design—(E 47) 16. Electrical Installations and Wiring—(E 32) 17. Electronic Engineering Course—(TC 70) 18. General Aeronautical Engineering Course—(A 434) 19. General Automobile Engineering—(A 18) 20. General Draughtsmanship (M 30) 21. General Electrical Engineering and, as an optional extra— 22. Modern Slide Rules Course (E 28) 23. General Mechanical Engineering Course (M 28) 24. General Plastics Course (PL 2) 25. General Production Engineering 26. Graduate British Institution of Radio Engineers—Grad Brit IRE—(TC 2) 27. Local Government Municipal Engineering 28. Local Government Overseer of Works Certificate—(Au 8) 29. Maintenance Engineer Course (M 40) 30. Management Part 1 (P 25) 31. Management Part 2 (P26) 32. PMGs First Class Commercial Operators Certificate of Proficiency

ANNEX C—*continued*

Institution	*Course*
British Institute of Engineering Technology (Sydney) 113 Pacific Highway NORTH SYDNEY (92 0807)	33. PMG Technician (Telephone) 34. Practical Motor Engineering—(A 19) 35. Principles and Practice of Television Servicing—(TC 65A) 36. Sanitary Engineering (C 48) 37. Ship Building and Naval Architecture (C 47) 38. Special Course in Architecture (B 47)
Cake Decorating Schools of Australia 256 Flinders Street MELBOURNE VIC (63 5335)	1. Cake Decorating
Chiropodists Association of Victoria 245 Punt Road RICHMOND VIC (42 5027)	1. Chiropody Course
College of Civil Aviation Ltd 175 William Street MELBOURNE VIC 283 Clarence Street SYDNEY NSW *Note:* Theoretical subjects only, Fees for practical flying are not approved.	1. Commercial Pilots Licence Course 2. Private Pilots Licence Course 3. Senior Commercial and Airline Transport Pilots Licence Course
Collins Radio Co (A'asia) Ltd 327 Collins Street MELBOURNE VIC (61 2626)	1. Basic Logic Techniques
Correspondence School of Library Studies 72 Balaclava Road EASTWOOD NSW	1. Registration examination for Library Association of Australia 2. Diploma in School Librarianship
Cullen Norton Pty Ltd ADELAIDE SA	1. Slide Rule Operation
Dental Assistants Association of South Australia	1. Dental Assistants Training Course
Export-Import College of NSW and Victoria 383 George Street SYDNEY NSW	1. Foreign Trade Practice and Administration
Famous Schools Pty Ltd ADC Building 189 Kent Street SYDNEY NSW 2000 (27 6121 and 27 9063)	1. Three-year correspondence course in Photography (Individual cases to be approved by SECC)

ANNEX C—*continued*

Institution	*Course*
Flight Training Centre 561 Bourke Street MELBOURNE VIC 3000 (attendance only) *Note:* Theoretical subjects only. Fees paid for practical flying are not approved.	1. Private Pilots Licence Course 2. Senior Commercial Pilots Licence Course 3. Commercial Pilots Licence Course
Gemmological Association of Australia Box 5133A GPO MELBOURNE VIC 24 Burton Street DARLINGHURST NSW 2010	1. Preliminary and Diploma Course in Gemmology
General Board of Religious Education 92 Finch Street EAST MALVERN VIC 3145	1. Associate in Theology 2. Licentiate in Theology Correspondence Course
Hawker De Havilland Sydney Milperra Road BANKSTOWN NSW (77 0111)	1. Basic Turbine Course—full-time attendance for 11 days at Lidcombe, Sydney—approved for Pre-discharge and Post-discharge training or to members during recreational leave
Hemingway Robertson Institute Bank Place 410 Collins Street MELBOURNE VIC 229 Castlereagh Street SYDNEY NSW	1. Basic Computer Course 2. Business Administration 3. Sales Management Diploma 4. Diploma in Accountancy (Commercial Education Society of Australia)—individual cases to be approved by SECC 5. Secretaryship Diploma—Chartered Institute of Secretaries 6. Office Managers Diploma
International Correspondence School 234 Collins Street MELBOURNE VIC (43 2121) Box 41955 GPO SYDNEY NSW	1. Advertising Institute of Australasia Associate Degree 2. Architectural Assistants Course 3. Air Conditioning 4. Heating, Ventilation, Air Conditioning Diploma (Extension of Air Conditioning Course) 5. Air Conditioning and Refrigeration Course (MSXY) 6. Associate Membership of Institute of Fire Engineers 7. General Computer Programming (individual cases to be approved by SECC)

ANNEX C—*continued*

Institution	*Course*
International Correspondence School 234 Collins Street MELBOURNE VIC (43 2121) Box 41955 GPO SYDNEY NSW	8. Comprehensive Selling 9. Automobile Body Rebuilding and Refinishing 10. Grad IREE 11. Diploma of Purchasing and Supply Management (Sydney office only) 12. Signpainting and Designing 13. Electronic Instrumentation and Servo Mechanics 14. Office Managers Diploma 15. Business Management 16. Chartered Institute of Secretaries (ACIS) 17. Club Administration 18. Drawing Office Practice and Tool Design 19. Electrical Draughtsman Courses 20. Elementary Photography 21. General Computer Programme (GEP) (individual approval necessary from SECC) 22. Graduate Membership of Institute of Fire Engineers 23. Hi-Fi, Stereo and Sound Systems Servicing 24. Hotel/Motel Management 25. Industrial Instrumentation 26. Modern Supervision (AMS) 27. MXL Automatic Automobile Transmission 28. Personnel Management Diploma 29. Photography 30. Preliminary Course for Institute of Fire Engineers 31. Public Relations (Commercial Studies Subject 54) 32. Public Relations (IPRA) 33. Small Business Owners Course 34. Soft Drink Managers Diploma
Institute of Actuaries London (Information from Secretary, Institute of Actuaries, MLC, Victoria Cross, North Sydney)	1. Correspondence Course for Admission as Actuary

ANNEX C—*continued*

Institution	*Course*
Institute of Commercial Studies	1. Examination for Accountancy Procedures
Junior Chamber of Commerce (Melbourne) 59 Elizabeth Street MELBOURNE VIC	1. Management
Lee Murray Institute of Radio and Television 53 Exhibition Street MELBOURNE VIC	1. Commercial Radio Broadcasting and TV Managerial Course 2. Executive Managerial Course
Marconi School of Wireless (now part of AWA Sydney) (only available through Sydney office) 47 York Street SYDNEY NSW	1. Broadcast Station Operators 2. Commercial Wireless Operators 3. Mathematics Refresher 4. Radio Service Mechanics 5. Television Servicing 6. Transistor
Martin Halas Dental Co 60 Flinders Lane MELBOURNE VIC	1. Dental Course (Adelaide) 2. Shell Ceramic Course 3. VMK Degudent Basic Course
Metropolitan Accounting College (Sydney) 6 Dailey Street SYDNEY NSW	1. Secretarial Course (Chartered Institute of Secretaries)
Modern School of Floral Arts 85 Powlett Street EAST MELBOURNE VIC 3002	1. Advanced Course 2. Beginners Course 3. Contemporary Flower Arrangement 4. Hostess Course (Decorative Art)
McCabe Academy of Dressmaking Manchester Unity Building 95 Swanston Street MELBOURNE VIC	1. Course in Cutting, Designing and Pattern Making
National Safety Council of Australia 191 Royal Parade PARKVILLE VIC	1. All courses conducted by branches of the National Safety Council of Australia
New Zealand Technical Correspondence Institute	1. Correspondence course for Aircraft Maintenance Engineers
Pharmaceutical Society Colleges (all States) 381 Royal Parade PARKVILLE VIC	1. Extension lecture courses 2. Fellowship of Society of Hospital Pharmaceutical Chemists 3. Fellowship courses in Pharmacy

ANNEX C—*continued*

Institution	*Course*
Plastics Institute of Australia	1. Know Your Plastics
Post-graduate Degrees in Medicine	1. Fees may be paid for examinations taken without formal courses
Real Estate Institute of New South Wales (in conjunction with Sydney University Extension Board)	1. Real Estate and Valuation Practice Course
Ronald Turnbull Associates Melbourne	1. Advanced Salesmanship 2. Effective Salesmanship
Royal Australian College of Physicians	1. Examination fees to Stage 1
Royal Australian College of Surgeons	1. Examination fees for FRACS 2. Refresher Seminars and Tutorials in Basic Medical Sciences in preparation for Fellowship Examination
School of Small Offset Printing	1. Reprography and Small Offset Printing Certificate Correspondence Course
School of Visual Arts 105 Crown Street SYDNEY NSW	1. Advanced Commercial Art and Graphic Design (attendance two nights weekly—12 months)
Speech and Communication Training Lenton CR 43 Phillip Street SYDNEY NSW	1. Attendance (10 lessons; individual cases to be approved by SECC)
Stotts Technical Correspondence College 159 Flinders Street MELBOURNE VIC	1. Condensed course in Diesel Engineering (93) 2. Diesel Engineering Course (92) 3. Purchase and Supply Administration 4. Diploma of Institute of Purchasing and Supply Management 5. Purchasing and Supply Officers Course 6. Diploma of Institute of Business Administration—in toto and in section 7. Novel Writing 8. Office Managers Diploma Course
Sydney Stock Exchange Pitt Street SYDNEY NSW	1. Advanced Principles of Investment 2. Basic Principles of Investment
Typing Centre of NSW 126 King Street SYDNEY NSW	Programmed Typing Courses 1. Basic one hour for 12 evenings 2. Intermediate—12 lessons 20-40 wpm 3. Advanced—12 lessons 40-60 wpm

ANNEX C—*continued*

Institution	*Course*
University Examination Postal Institution London UK	1. Preparation for RACS Examination
University of Hong Kong	1. Courses undertaken by personnel serving in Hong Kong
Victorian College of Pharmacy	1. Fellowship course in Pharmacy 2. Extension courses
Victorian Department of Health 295 Queen Street MELBOURNE VIC	1. Health Inspectors Class Committee Course
Watson Webb and Associates Melbourne	1. Accounting in Management Stages 1 and 2
William Angliss Trade School Melbourne	1. Health Inspector Course 2. Meat Inspection Course
Wireless Institute of Australia 14 Atchison Street CROWS NEST NSW 2065	1. PMG Limited Operators Certificate

(DNES 325/53/5)

(*Navy Order 321/69*)

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HISTORIAN

ANOs 310/70-331/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
24 July 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

18562/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

310/70—Ceremonial—National Anniversaries and Festivals of Australia, other Commonwealth Countries, United States of America and Asian Countries

1. Annex A to this order is a table of important anniversaries celebrated in other Commonwealth countries, the United States of America and Asian countries in which HMA ships present may be requested to participate.

2. The dates on which HMA ships and Naval establishments are to dress ship, on Australian national anniversaries, are given in RI Article 1239. In addition, ceremonial is observed on Anzac Day and Remembrance Day. Instructions for these days are given in RI Articles 1238, 1354 and 1355.

3. The information in Annex A is given as a general rule only. Inquiry as to the correct procedure should be made beforehand.

4. Amendments or additions, which are considered necessary as a result of local experience, should be communicated to the Naval Board.

5. Navy Order 26/67 is hereby cancelled.

ANNEX A

National Anniversaries and Festivals of Other Commonwealth Countries, The United States of America and Asian Countries

Date	*Country*	*Anniversary*	*Practice of Country Where Known*		*Remarks*
			Ships Dressed Overall	*Fire Salute*	
1 January ..	Japan ..	New Year's Day	Yes	—	*See* Note 3
	South Vietnam	New Year	—	—	
4 January ..	Burma ..	Independence Day	Yes	Yes (31 guns)	
15 January ..	Japan ..	Adults' Day	—	—	*See* Note 3
22 January ..	New Zealand	Local Anniversary Day in Wellington	Yes*	—	* At discretion of Senior Officer of RNZN present
26 January ..	India ..	Republic Day	Yes	Yes† (31 guns at noon)	† Ships outside India fire 21 guns at noon
29 January ..	New Zealand	Local Anniversary Day in Auckland	Yes*	—	* At discretion of Senior Officer of RNZN present
30 January ..	India ..	Indian Martyrs' Day	—	—	*See* Note 2
31 January ..	Nauru ..	National Day	—	—	
4 February ..	Ceylon ..	Independence Commemoration Day	Yes	Yes	
6 February ..	New Zealand	New Zealand Day	—	—	
12 February ..	United States of America	Lincoln's Birthday	Yes*	(21 guns)	*See* Note 8. * Masthead flags only
22 February ..	United States of America	Washington's Birthday	Yes	Yes (21 guns at noon)	*See* Notes 8 and 9
1 March ..	Korea ..	(Samil Day) Commemorating public demand for independence from Japanese rule made by Korean leaders	—	—	*See* Note 4
4–6 March ..	Cambodia ..	King's Birthday	Yes	Yes (21 guns at noon)	
12 March ..	Mauritius ..	Independence Day	—	—	
21 March ..	Japan ..	Vernal Equinox	—	—	*See* Note 3
23 March ..	New Zealand	Local Anniversary Day in Otago ..	Yes*	—	* At discretion of Senior Officer of RNZN present
	Pakistan ..	Republic Day	Yes	Yes† (31 guns)	† Only in Karachi
27 March ..	Burma ..	Resistance of Arzani Day ..	Yes	—	
6 April ..	United States of America	Army Day	Yes*	—	*See* Note 8. * Masthead flags only
13–15 April ..	Cambodia ..	New Year	—	—	

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
25 April ..	New Zealand	Anzac Day Anniversary of the New Zealand Army Corps landing at Gallipoli (1915)	No	No	Observed by a public holiday and ceremonies throughout New Zealand, and by New Zealand Government Missions and Armed Forces Overseas. Ceremonies are held annually in London, Edinburgh and Hong Kong, and other places outside New Zealand
29 April ..	Japan ..	Emperor's Birthday	Yes	—	*See* Note 3
3 May ..	Japan ..	Constitutional Day	Yes	—	*See* Note 3
5 May ..	Thailand ..	HM the King's Coronation Day ..	Yes	Yes (21 guns at noon)	*See* Note 5
5 May ..	Japan ..	Boys' Day	—	—	*See* Note 3
6 May ..	Cambodia ..	Promulgation of Constitution ..	Yes	—	
First Sunday in May	Canada ..	Battle of Atlantic Sunday.. ..	—	—	
Second Sunday in May	United States of America	Mothers' Day	Yes*	—	* Masthead Flags only

— May ..	Canada ..	Victoria Day	Yes	Yes	*See* Note 6
Third Saturday in May	United States of America	Armed Forces Day	Yes*	—	* At discretion of Senior USN Officer present
30 May ..	United States of America	Memorial Day	—	Yes (21 minute guns starting at noon)	*See* Note 8
First Wednesday in June	Malaysia ..	The Birthday of HM DYMM Yang di Peruan Agong	Yes	Yes (21 guns at noon)	
4 June ..	Tonga ..	Day of Tonga's entry into the Comity of Nations	—	—	
12 June ..	Philippines ..	Independence Day	Yes	Yes	
14 June ..	United States of America	Flag Day	Yes*	—	*See* Note 8. * Masthead flags only
1 July ..	Canada ..	Confederation	Yes	—	
4 July ..	United States of America	Independence Day	Yes	Yes at noon	*See* Note 8
17 July ..	Korea ..	Promulgation of the Constitution ..	—	—	*See* Note 4
20 July ..	Japan ..	Marine Memorial Day	Yes	—	*See* Note 3
9 August ..	Singapore ..	National Day	Yes	Yes (21 guns at noon)	

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
12 August ..	Thailand ..	HM the Queen's Birthday ..	Yes	Yes (21 guns at noon)	*See* Note 5
14 August ..	Pakistan ..	Independence Day	Yes	Yes‡ (31 guns)	‡ Only in Karachi
15 August ..	India ..	Independence Day	Yes	Yes* (31 guns at noon)	* Gun salutes are not fired at ports outside India
15 August ..	Korea ..	Independence Day	—	—	*See* Note 4
17 August ..	Indonesia ..	Proclamation of Independence ..	Yes	Yes	
31 August ..	Malaysia ..	Malaysia Day	Yes	Yes (21 guns at noon)	
First Monday in September	United States of America	Labour Day	—	—	*See* Note 8
17 September..	United States of America	Constitution Day	Yes*	—	*See* Note 8. * Masthead flags only
26 September..	New Zealand	Dominion Day	Yes*	—	* At discretion of Senior Officer of RNZN present
3 October ..	Korea ..	Kaechun Chul (Birthday of King Tan Koon)	—	—	*See* Note 4
5 October ..	Indonesia ..	Armed Forces' Day	Yes	—	
10 October ..	Fiji ..	Cession Day	Yes	No	*See* Note 7
10 October ..	China ..	Foundation of the Republic ..	—	—	
12 October ..	United States of America	Columbus' Day	Yes*	—	*See* Note 8. * Masthead flags only
26 October ..	South Vietnam	National Fete of the Republic ..	Yes	Yes	
27 October ..	United States of America	Navy Day	Yes*	—	*See* Note 8. * Masthead flags only
1 November ..	Vietnam ..	National Day	Yes	—	
3 November ..	Japan ..	Cultural Day	Yes	—	*See* Note 3
6–8 November	Cambodia ..	Water Festival	—	—	
9 November ..	Cambodia ..	Independence Day	Yes	Yes	
11 November..	United States of America	Veterans' Day	Yes*	—	*See* Note 8. * Masthead flags only
23 November..	Japan ..	Labour Thanksgiving Day ..	—	—	*See* Note 3
4th Thursday in November	United States of America	Thanksgiving Day	Yes*	—	*See* Note 8. * Masthead flags only

Date	Country	Anniversary	Practice of Country Where Known		Remarks
			Ships Dressed Overall	Fire Salute	
5 December ..	Thailand ..	HM the King's Birthday	Yes	Yes (21 guns at noon)	*See* Note 5
9 December ..	Tanzania ..	Independence and Republic Day ..	—	—	
10 December ..	Thailand ..	Constitution Day	Yes	—	*See* Note 5
12 December ..	Kenya ..	Independence and Republic Day ..	—	—	
16 December ..	New Zealand	Local Anniversary Day in Canterbury	Yes*	—	* At discretion of Senior Officer of RNZN present
25 December ..	Pakistan ..	The Quaid-I-Azam's Birthday (Birthday of Mr M. A. Jinnah, The Founder of Pakistan)	Yes	—	
	South Vietnam	Christmas	—	—	
‡	Pakistan ..	Id-e-Milad-Ul-Nabi (Birthday of the Holy Prophet Mohammed)	Yes	—	‡ Date variable, depending on appearance of the moon
30 December ..	Philippines ..	Rizal Day	—	—	
Miscellaneous	Burma ..	National Day	Yes	No	*See* Note 1

18562/70—3

Notes—

1. Burma—'National Day' is fixed each year with reference to the Burmese Calendar falling on the 10th Waning of Tazaungmon.
2. India—

   At 1100 on 30 January all officers and men in IN ships and establishments stand up, wherever they may be, and observe complete silence for two minutes.

   At a memorial service to Mahatma Gandi held at Rajghat an Indian Interservices Guard of Honour will be paraded.
3. Japan—Gun salutes are not at present fired by ships of the Maritime Self Defence Force or by Shore Batteries. The problem of firing salutes is at present under review.
4. Korea—No precise regulations for the observance of these occasions by the Korean Navy have yet been laid down. It would probably be appropriate to dress ship overall, but prior consultation with local authorities would be desirable.
5. Thailand—Ships are to dress with masthead flags when they are under way in the vicinity of an anchorage on occasions when ships in port dress overall.
6. Canada—Celebrated on the Monday preceding the 25 May.
7. Fiji—It is appropriate on this day to dress ship when in any Fijian port.
8. USA—When any anniversaries occur on a Sunday, the ceremonies are postponed until the following day.
9. Panama—The main Panamanian anniversaries are 3 and 28 November. These holidays are not observed in the Canal Zone. Ships in port or in transit should not therefore dress ship.

   The Canal Zone authorities observe United States national holidays, eg, 22 February, 30 May and 4 July. Naval vessels normally dress overall but gun salutes are fired only from shore batteries.

(DSAW 12/201/22)

(*Navy Order 26/67*)

UNCLASSIFIED

311/70—Gas Detection and Exhaust Ventilation System for Support Craft

1. The presence of gasoline or liquid petroleum (LP) gas in support craft must always be recognised as highly dangerous. In the case of LP devices fitted in gasoline driven craft an extreme hazard exists, particularly when starting up after a prolonged shut down.

2. As a safeguard against possible accidents occurring from the presence of an explosive gas or vapour mixture gas detection units and exhaust ventilation systems are to be fitted to existing and future gasoline powered craft in which LP gas devices are fitted.

3. Gas detection and exhaust ventilation units will be issued to Naval Dockyards for fitting in existing Support Craft affected by this order.

4. Establishments operating gasoline powered craft or craft in which LP gas devices are fitted, are to raise Forms TM145 as follows:

'Gas detection unit and exhaust ventilation system to be fitted in accordance with Navy Order 311/70.'

5. Future gasoline powered craft will, where practicable, have the gas detection and exhaust ventilation units fitted during construction.

6. An ignition switch interlock is currently being developed which will prevent the ignition circuit being made until all explosive gas/vapour mixtures have been exhausted. Until this safeguard has been issued for fitting, strict adherence to the regulations for starting engines of support craft must be observed.

7. Installation drawings and specifications including details of all equipment will be issued to Dockyards and Contractors. A drawing showing the proposed location of the detector heads is to be forwarded to Navy Office for approval before installation commences.

Siting of Detector Heads

8. a. *General.* Detector heads shall be sited to suit individual installations, but care shall be taken to ensure that heads are fitted in positions where gas or petrol vapour accumulations are most likely to occur, taking account of the fact that both LP gas and petrol vapour are heavier than air. Detector heads shall be placed at the lowest points at which gas or petrol vapours can accumulate, taking care to avoid possible submergence by bilge water.

b. *In Engine Compartment (Petrol Engines).* A detector head shall be fitted as low as practicable in the engine compartment bilges, or other location where petrol vapours may concentrate. Where fuel tanks are installed in a space enclosed by continuous bulkheads, a detector head shall be fitted in that space.

c. *Where LP Gas Appliances are Fitted Below Weather Deck.* Detector head(s) shall be fitted in the vicinity of the appliance and low down in the compartment where the appliance is fitted.

d. *Where LP Gas Appliances are Fitted Above Weather Deck.* Detector heads will not be required if the appliances in these areas are so sited that leakages are readily dispersed and accumulations of gas cannot occur. However, if it is apparent that any gas leaks from an appliance fitted on the weather deck may find their way into a pocket, then a gas detector head will be required to be fitted in this area.

e. *LP Gas Cylinder Stowage.* LP gas bottle stowages are required to be fitted in the open or in well ventilated lockers on the upper deck and no detector heads are required in this area or space.

Siting of Control Box

9. The control box shall be sited to suit individual installations, in a position such that the audible and visual alarm signals are given when dangerous conditions exist, and are readily apparent to operating personnel, eg, in wheelhouse, galley or working area.

Exhaust Ventilation System

10. Petrol vapours and LP gases being heavier than air cannot be exhausted from bilge spaces by natural ventilation, and a mechanical exhaust ventilation system is to be fitted as follows:

a. In craft fitted with inboard petrol installations.

b. In craft fitted with LP gas system where the piping and/or appliances are situated below the weather deck or in a well.

11. The mechanical exhaust ventilation system shall be ducted to open air and fitted with flame proof gauze at the outlet and a suitable closing down arrangement. The blower and electrical components shall be intrinsically safe in accordance with the requirements of BS 1259.

Routine Testing Procedure

12. In addition to existing procedures in force, the following precautions are to be taken in boats described in Paragraph 10 above:

a. *Daily, before initial starting up:*

(1) Switch on gas detector system.

(2) Switch on exhaust ventilation system and run for five minutes.

(3) If gas detector system shows 'safe' after five minutes running, the engine may be started and LP gas units operated.

The gas detector system should remain activated until the craft is secured on completion of the days activities.

b. *During fuelling or defuelling operations:*

(1) Switch on gas detector system prior to operations, it should remain activated during the entire operation.

(2) If the system shows a presence of gas/vapour, switch on ventilation system and continue to run until 'safe'.

(3) When the gas detector system shows 'safe', switch off ventilation system and commence fuelling/defuelling operations. A close check is to be kept on the gas detector system during the operation. If the detector system shows 'unsafe' at any point in the proceedings fuelling/defuelling is to cease, the cause investigated and rectified, then the ventilation system activated until the detector reads 'safe' once again.

13. The routine to be followed on opening up the boat is to be displayed on a notice board located in a prominent position.

14. Navy Order 120/67 is hereby cancelled.

(DSD 1236/51/34)

(*Navy Order 120/67*)

UNCLASSIFIED

312/70—Late Notification of Medical Categorisations

1. Concern is felt about the number of sailors serving in ships programmed for service off the Australia Station, or for long periods away from operating ports, who are found to be medically unfit, or require medical treatment/surgery, shortly before ships scheduled departure dates.

2. Vacancies in complements caused by medical categories notified close to departure dates not only disrupt ships teams training but cause short notice postings of reliefs with consequent domestic upsets. The repercussions of short notice postings are not always immediately apparent, but obviously have adverse effects on re-engaging intentions and are a catalyst for Free discharge applications.

3. In future immediate reliefs cannot be anticipated for sailors landed for medical reasons close to departure, especially in cases where the need for routine surgery or medical categorisations could have been determined earlier.

4. Although every effort will be made to ensure reliefs prior to sailing dates, these will not always be forthcoming having regard to the reliefs family circumstances, service availability, etc. In these cases ships will be expected to carry underbearings until reliefs can be given reasonable notice of postings.

5. It is stressed that timely reporting of medical categories, etc, will largely overcome this problem, particularly during the current manpower shortages.

(DSP 465/3/153)

UNCLASSIFIED

313/70—Priorities for the Employment of the RAAF Air Transport Force

Background

1. A general increase in the volume of air cargo together with increased operational commitments has resulted in an increase in the number and variety of demands being made on the Air Transport Force as a whole. In order to resolve conflicting demands with a minimum of delay and disruption to operations it is necessary to have an acceptable set of principles and priorities which can be used as a guide to the best use of available resources.

2. Headquarters Operational Command, RAAF, is responsible for command, control and allocation of the Air Transport Force. Whenever airlift capacity is insufficient to meet the demand at any level, the principles set out in Paragraph 4 will be used to determine the employment of aircraft.

Function of the Air Transport Force

3. The broad responsibility of the RAAF Air Transport Force is to provide air movement for the Australian Armed Forces. It also includes a contribution to national aeromedical evacuation and search and rescue services.

Priorities

4. A schedule of priorities is set out below:

PRIORITY 1 TASKS AFFECTING THE SECURITY AND CAPABILITY OF AUSTRALIAN FORCES ENGAGED IN OPERATIONS OF WAR, TASKS INVOLVING THE PRESERVATION OR SAVING OF HUMAN LIFE, AND SPECIAL FLIGHTS HAVING INTERNATIONAL MILITARY OR POLITICAL IMPLICATIONS.

Tasks in this category include:

a. Air Transport Support affecting the security and capabilities of Australian Armed Forces engaged in operations of war.

b. Emergency flights for saving or preservation of human life such as:

Urgent aeromedical evacuation.
Search and rescue.

c. Special flights transporting military or political dignitaries when movement has important international implications.

PRIORITY 2 TASKS IN DIRECT SUPPORT OF FORCES LOCATED IN OPERATIONAL AREAS OR WHERE DEPLOYMENT TO AN OPERATIONAL AREA IS IMMINENT, ROUTINE AEROMEDICAL EVACUATION AND SAR OPERATIONS, PRIORITY VIP MOVEMENTS AND AIRCREW TRAINING.

Tasks in this category include:

a. Approved pre-planned missions, emergency logistic transport and scheduled services which directly support Australian Armed Forces located in operational areas or where deployment to an operational area is imminent.

b. Approved unit moves to, from, or within operational areas.

c. Pre-planned rotation of units or personnel.

d. Aircrew training involving conversion, route and airfield familiarisation, the attainment and maintenance of flying standards and air support training.

e. Routine aeromedical evacuation missions.

f. VIP movements which have been designated by higher authority as warranting priority.

g. SAR operations, where, through elapse of time, the saving of life is not involved, but where it is still necessary to search for wreckage, human remains, etc.

PRIORITY 3 TASKS REQUIRED TO MAINTAIN THE OPERATIONAL EFFICIENCY OF THE FORCES AND COMMITMENTS TO PRE-PLANNED TRAINING AND EXERCISES.

Tasks in this category include:

a. Routine air transport operations and scheduled services required to maintain the operational efficiency of Australian Armed Forces.

b. Non-scheduled and special services affecting the operational status of the Australian Armed Forces.

c. Pre-planned commitments to joint and single Service training and exercises.

d. VIP movements which have not been designated by higher authority as warranting priority.

PRIORITY 4 OTHER TASKS.

Tasks in this category include:

a. Non-scheduled administrative passenger and cargo movement.

b. Movement of special parties not included in other categories.

c. Tasks for other government departments, semi-government and other organisations.

(DNAP 1605/1/68)

UNCLASSIFIED

314/70—Safety—Bridges, Footbridges, Walkways, Etc.

1. Serious accidents have occurred where the designed loading of structures has been exceeded—for example by a truck driving along a concrete deck designed for foot traffic only.

2. Captains of establishments are to ensure that notices are prominently displayed on all bridges, walkways, footbridges, etc, showing the weight limitations for the structure. Structures which are unsafe for vehicles should be barred by bollards or other physical obstructions.

3. The Department of Works will advise as necessary in this matter.

(DNW 177/1/149)

Section 2
PERSONNEL

UNCLASSIFIED

315/70—Courses—Medical Officers Refresher Courses in Anaesthetics

1. Medical Officers in Charge of Royal Australian Naval Hospitals are to ensure that all Medical Officers serving therein are fully versed in giving anaesthetics by modern methods.

2. All Medical Officers should from time to time undergo a brief refresher course of instruction in the administration of anaesthetics, given by a specialist in anaesthetics. Such refresher courses will provide opportunities for them to become acquainted with advances made in this subject. These courses are of about four weeks duration at the larger civil teaching hospitals in Melbourne and Sydney.

3. Applications are to be made through the usual channels to the Naval Board.

4. Medical Officers for whom approval has been given to undergo the course are required to be registered with the Medical Board of the State in which the course is to be taken, before they can commence the course.

5. In Victoria, Board meetings are held on the first and third Thursdays of each month at 224 Queen Street, Melbourne 3000, and in New South Wales arrangements for the necessary registration can be made by the Medical Officer concerned contacting the Secretary of the Medical Board of NSW at 52 Bridge Street, Sydney 2000, approximately one month before the commencement of the course.

6. A registration fee will be charged to Medical Officers who are not registered in any Australian State; otherwise no fee will be required.

7. The registration fee will be accepted by the Department as a charge to public funds and reimbursement will be made on production of the official receipt from the Board concerned.

8. Courses in Victoria for officers coming from outside that State will be arranged so that the commencement date of the course is close to the first or third Thursday of the month.

9. The attention of all Medical Officers is to be drawn to the contents of this order.

10. Navy Order 485/68 is hereby cancelled.

(MDG 312/51/42)

(Navy Order 485/68)

UNCLASSIFIED

316/70—Education Allowance—Members Serving in Australia

1. Statutory cover for payment of increased rates of Education Allowance as advised in Navy Order 5/70 has now been obtained and the increased rates may be paid with effect from the dates indicated.

2. Eligible members should claim adjustments from Navy Office.

(HPB 252/10/2)

(Navy Order 5/70)

UNCLASSIFIED

317/70—Guild of Air Pilots and Air Navigators

1. Personnel are advised that an Australian Region Branch of the Guild of Air Pilots and Air Navigators was established in June 1969.

2. The aim of the Guild is to ensure that the British Commonwealth, through her professional air pilots and navigators, sets the highest possible standards of flying skill and air safety in the world, and through these, protects in every way those who travel by air.

3. The formation of an Australian Region Branch provides an opportunity for qualified people to join a body that can give advice on all aviation matters as well as providing a sense of true fellowship among those who fly.

4. Membership is confined to British subjects, including citizens of the Commonwealth, who on admission must in general terms be qualified in the following ways:

Upper Freeman

a. A person engaged in the profession who is the holder of a current professional civilian pilots or flight navigators licence, or is a test pilot recognised by the Guild; and

Freeman

b. The holder of a current private pilots licence, a qualified pilot or navigator serving in Her Majestys Armed Forces or one who has contributed or is likely to contribute to the material and general advancement of the profession.

5. Australians are admitted as overseas members of the Guild and local fees are $15.00 and $7.00 respectively for the two classes of membership.

6. Personnel interested in obtaining further details, or application forms, should contact:

The Regional Chairman GAPAN
128 Rothschild Avenue
ROSEBERY NSW 2018.

(DAPO 108/2/119)

UNCLASSIFIED

318/70—Inclusion of Suffix SM in Submarine Sailors Titles

1. Approval has been given for the suffix SM to be shown alongside the titles of all sailors qualified for service in submarines. The suffix will be added to sailors titles on successful completion of Part III Training and implementation of Form PE5 to the sailors EDP record. This suffix should then be used in all official correspondence, eg, CPOUCSM.

2. This suffix will be retained throughout the service career of the sailor unless removed by decision of the Naval Board.

(DGM 302/1/13)

UNCLASSIFIED

319/70—Travelling Allowance—Members on Short Term Duty Overseas

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119/70 as varied by Navy Order 158/70 have been further varied as follows:

Table A

Delete the rates for Austria, Bahrain, Burma, France, Fiji, Ghana, Greece, Kenya, Mexico, New Zealand, Philippines, Spain and Switzerland and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Austria	Schillings ..	525	625	725
Bahrain	Dinars ..	20.00	21.00	22.00
Burma	Kyats ..	120	130	140
Fiji	$F ..	14.50	16.50	21.00
France	Francs ..	130	145	165
Ghana	New Cedis ..	31.00	32.00	33.00
Greece	Drachmae ..	530	650	780
Kenya	EA Shgs ..	184	202	220
Mexico	Pesos ..	360	430	580
New Zealand ..	$NZ ..	15.50	17.50	21.50
Philippines ..	Pesos ..	115	154	168
Spain	Pesetas ..	980	1,140	1,300
Switzerland ..	Francs ..	100	105	115

Table B

Delete the rates for New Caledonia and insert the following rates in their stead:

New Caledonia	CFP Francs	1,200	1,250	1,400

2. The effective date for the variation in these rates is as follows:

a. Austria, Bahrain, France, Ghana, Greece, Spain and Switzerland—27 February 1970.

b. Philippines—19 March 1970.

c. Fiji, New Caledonia and New Zealand—17 April 1970.

d. Mexico—23 April 1970.

e. Burma—29 April 1970.

f. Kenya—7 May 1970.

(HPB 252/7/26)

(*Navy Orders 119/70 and 158/70*)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

320/70—Officers Joint Warfare Courses

1. The courses detailed in Annex A to this order are sponsored by the Royal Australian Air Force.

2. It is desirable that RAN vacancies on these courses are taken up.

3. Nominations for these courses are to be made to ACNB at least four weeks before commencement of the course.

ANNEX A

Course	Location	Aim of Course	Duration	Start Date	Completion Date	Remarks
Forward air controller ..	ASU Williamtown ..	To train selected RAN, RAAF officers for FAC/ALO duties	10	3.8.70 8.3.71	14.8.70 19.3.71	2 RAN places per year. Sub-lieutenant or lieutenant, to have previously completed a joint warfare course, and be qualified fighter ground attack pilots.
Company commander joint warfare study period	ASU Williamtown ..	To instruct Army officers appointed to command companies, batteries, or squadrons of units of the Army field force, in the techniques and procedures used in tactical joint operations at task force level and below	5	24.8.70 24.5.71	28.8.70 28.5.71	1 RAN per course. Aircrew preferably ex-Vietnam helo pilot
Senior officers joint warfare study periods	ASU Williamstown ..	To study joint warfare concepts and to promote study and discussion of joint tactical operations, with particular reference to the employment of joint command and control structure	5	21.6.71	25.6.71	4 RAN per course. Commander—and above
Joint warfare	ASU Williamstown ..	To train officers of all services in the command, staff organisational and operational aspects of joint warfare	15	13.7.70 15.2.71	31.7.70 5.3.71	4 RAN per course. Lieutenant/Lieutenant-commander
Command joint warfare study periods	Eastern HQRIC .. Central HQCCOMD Western HQWCOMD Southern HQSCOMD Northern HQAMB ..	To introduce officers of all services to some aspects of joint warfare as a basis for further joint warfare training 1970–71 theme: 'Transport Air Support'	4	20 10.70 26.1.71 30 3 71 20 4 71 4 5 71	23.10.70 31.1.71 2.4.71 23.4.71 7.5.71	7 RAN places per course. Lieutenant/Lieutenant Commander including reserve officers (To be confirmed) (To be confirmed)

(D of T 351/30/2052)

UNCLASSIFIED

321/70—Sailors Course Programme, 1970

1. The alterations, additions and deletions shown in Annexes A, B and C to this order are promulgated as Amendment 3 to Navy Order 745/69.

2. The Amendment List shown in Paragraph 6 of the parent order should be noted with this order.

ANNEX A—ADDITIONS

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Starting Date	Completion Date	Min/Max Nos
Career and PCT	914210	Servo mechanisms (without computations)	CERBERUS ..	20	E	10.8.70	4.9.70	2–8
	914220	Servo mechanisms (with computations)	CERBERUS ..	30	D	10.8.70	18.9.70	2–8
	914260	Mk 19 Gyro ..	CERBERUS ..	20	E	13.7.70	7.8.70	2–8
	914300	170/MM10 ..	CERBERUS ..	20	E	24.8.70	18.9.70	2–8
	914330	177M	CERBERUS ..	30	D	13.7.70	11.8.70	2–8
	914570	AN/URT 23V ..	CERBERUS ..	15	E	13.7.70	31.7.70	2–8
	914590	AN/WRC 1 ..	CERBERUS ..	15	E	17.8.70	4.9.70	2–8
	913660	Adv. welding ..	NIRIMBA ..	60	D	8.6.70	28.8.70	4
	954230	FPS3 including AFCC Mk 12	CERBERUS ..	30	D	24.8.70	3.10.70	2–8
	954300	FPS3 including GDS2* and AFCC Mk 12	CERBERUS ..	50	D	24.8.70	30.10.70	2–8
	954260	4.5 Mk 6 and 6* ..	CERBERUS ..	15	E	5.8.70	25.8.70	2–8

ANNEX A—ADDITIONS—*continued*

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engage-ment Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
Career and PCT—*continued*	954600	M22/M44 Radar ..	CERBERUS ..	105	C	6.7.70	18.12.70	2–8
	954610	M22/M44 Computor	CERBERUS ..	100	C	6.7.70	18.12.70	2–8
	964080	Radar 903 ..	CERBERUS ..	20	E	24.8.70	18.9.70	2–8
	964390	JYA	CERBERUS ..	30	D	9.11.70	18.12.70	2–8
	954340	MRS3	CERBERUS ..	50	D	3.8.70	9.10.70	2–8
	954630	SEACAT ..	CERBERUS ..	15	E	13.7.70	31.7.70	2–8
						26.8.70	16.9.70	2–8
	964460	GDS5	CERBERUS ..	30	E	12.10.70	20.11.70	2–8
Supply and Secretariat	919710	Writer	CERBERUS .. HARMAN	85 (5 NBCD 20 EDP)	—	27.7.70	20.11.70	4–10

ANNEX B—DELETIONS

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engage-ment Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
Supply and Secretariat	919710	Writer	CERBERUS ..	85	—	6.7.70	4.11.70	
Air electrical ..	917820	LEMAC	ALBATROSS ..	75	C	13.7.70	23.10.70	
Medical and Dental	918710	SBA	CERBERUS ..	185	—	6.7.70	14.5.71	

ANNEX C—AMENDMENTS

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engage-ment Category*	*Starting Date*	*Completion Date*	*Min/Max Nos*
Marine Engineering	953080 953090	CERA/CMECH .. CERA/CMECHD..	CERBERUS ..	85	C	3 8.70 Delete start and finish dates, substitute: 17.8.70	20.11.70 11.12.70	6–15
Weapon electrical engineering	194920	POEP	CERBERUS .. PENGUIN ..	110 (10 NBCD)	C	6.7.70 Delete start and finish dates, substitute: 20.7.70	4.12.70 17.12.70	
	914940	POEWR	CERBERUS .. PENGUIN	115 (10 NBCD)	B	6.7.70 Delete start and finish dates, substitute: 20.7.70	26.2.71 12.3.71	

(D of T 311/1/75)

(*Navy Order 745/69*)

UNCLASSIFIED

322/70—Seaman Branch—Coxswain Category—Transfer, Promotion and Training

1. The Coxswain category and the Regulating Branch were merged on 1 July 1969. The object of this Navy Order is to amend or clarify or both, regulations promulgated in Navy Order 78/69 in respect of eligibility for transfer to the category training and promotion within the category. Regulations for transfer and training of Submarine Coxswains will be promulgated separately.

Ex Regulating Branch Sailors

2. While in general the conditions under which Regulating Branch sailors were transferred to the Coxswain category have not altered the Naval Board have decided to safeguard the promotion prospects of such sailors, by permitting seniority and sea service in the appropriate ranks to count for promotion purposes.

3. LSCOX (ex LPM) who have passed for RPO and POCOX (ex RPO) who have passed for MAA will only be required to carry out the seamanship sections of the course for promotion to POCOX or BTT for CPOCOX. (NBCD also if not qualified to advanced level.)

Eligibility for Transfer to Coxswain Category

4. Transfers to the Coxswain category will be normally restricted to eligible Able and Leading Ranks of the Seaman or non Tradesman branches. Able Ranks will not be selected for the course unless they are qualified in all respects to enable promotion to Leading Seaman Coxswain on successful completion of course.

5. As a temporary measure transfer of eligible POs and CPOs to the Coxswain category will be permitted to help overcome shortages in the category. Such transfers will be subject to manpower requirements in the sailors existing category and will be dependent on the effect on promotion prospects of Coxswain category sailors.

6. The revised rules for eligibility for transfer to the Coxswain category are contained in Annex A.

Nomenclature

7. The Coxswain category is a category of the Seaman Branch and the rank titles are as follows:

Chief Petty Officer Coxswain	CPOCOX
Petty Officer Coxswain	POCOX
Leading Seaman Coxswain	LSCOX

Promotion

8. It has been decided that sailors who transfer at the Petty Officer or Chief Petty Officer level will be required to serve a period of six months in the provisional rank after completion of the Coxswain Conversion Course, the provisional notation being removed on the recommendation of the sailors Commanding Officer.

9. Seniority and sea service in relevant rank of former category will count towards qualifications for promotion.

10. The revised rules for promotion within the Coxswain category are shown in Annex B.

Training

11. Details of training for Coxswains are contained in Annex C.

Duties of the Coxswain Category

12. The duties and responsibilities for the Regulating Branch contained in RI Articles 3251, 3252, 3253 are invested in the Coxswain category sailors, and those articles will be amended in due course.

Volunteers for Transfer

13. Volunteers will be required on a continuing basis. To help overcome present shortages in the category and to fill programmed courses, the names of recommended volunteers should be forwarded as soon as possible.

14. ABR 10/69, ABR 27 and RI will be amended in due course.

ANNEX A

Eligibility to Transfer to Coxswain Category

1. Chief Petty Officer Coxswain:
   a. A candidate must:
      (1) be a Chief Petty Officer of the seaman or non-tradesman categories;
      (2) be a volunteer;
      (3) be recommended by the Commanding Officer of a sea-going ship (in exceptional cases and subject to special recommendations, Chief Petty Officers serving other than in sea-going ships may be recommended. If considered suitable for transfer to the Coxswain category these Chief Petty Officers will be posted to sea-going ships to allow the required recommendation);
      (4) be qualified and certified as a proficient helmsman within six months of application for transfer if not a sailor of the Seaman Branch;
      (5) have four years continuous VG Conduct at the commencement of the course;
      (6) have completed one years sea service as a Petty Officer or above;
      (7) be below the age of 40 years on commencement of the course;
      (8) be a volunteer to re-engage for course if required;
      (9) be medically fit for the Coxswain category.
   b. Transfer will be effected on successful completion of the Coxswain Conversion Course (*see* Annex B re period in the Provisional rank).
   c. Application is to be made by letter to the Naval Board and is to contain a brief statement by the Commanding Officer supporting his recommendation. The application is to be accompanied by a Psychologists report.

2. Petty Officer Coxswain:
   a. A candidate must:
      (1) be a Petty Officer (acting or confirmed) of the seaman or non-tradesman categories;
      (2) be a volunteer;
      (3) be recommended by the Commanding Officer of a sea-going ship (in exceptional cases and subject to special recommendation, Petty Officers

serving other than in sea-going ships may be recommended. If considered suitable for transfer to the Coxswain category these Petty Officers will be posted to sea-going ships to allow the required recommendation);

(4) be qualified and certified as a proficient helmsman within six months of the application for transfer if not a sailor of the Seaman Branch;

(5) have three years continuous VG Conduct at the commencement of the course;

(6) have completed one years sea service as a Petty Officer;

(7) be below the age of 35 years on commencement of the course;

(8) be a volunteer to re-engage for course if required;

(9) be medically fit for the Coxswain category.

b. Transfer will be effected on successful completion of the Coxswain course (*see Annex* B re period in the Provisional rank).

c. Application is to be made by letter to the Naval Board and is to contain a brief statement by the Commanding Officer supporting his recommendation. The application is to be accompanied by a Psychologists report.

3. Leading Seaman Coxswain:

a. Recommended volunteers of Able or Leading Rank of the seaman or non-tradesman categories who:

(1) have passed Section 1 of the Promotion Board for Leading Rank;

(2) have three years continuous VG Conduct immediately before selection for course with previous conduct not below Good;

(3) are aged 21 but under 29 years of age on commencement of the course;

(4) have a minimum of one years sea service as Able Rank and above;

(5) be qualified and certified as a proficient helmsman within six months of application for transfer if not a sailor of the Seaman Branch;

(6) passed ET1, Standard NBCD and swimming test;

(7) be a volunteer to re-engage for course if required;

(8) be medically fit for Coxswain category.

b. Transfer to Leading Seaman Coxswain will be effected on successful completion of the Coxswain course.

c. Application is to be made by letter to the Naval Board and is to contain a brief statement by the Commanding Officer supporting his recommendation. The application is to be accompanied by a Psychologists report.

ANNEX B

Seaman Branch—Coxswain Category Promotion

1. Leading Seaman Coxswain:

a. Commodore Superintendent of Training HMAS CERBERUS.

b. —.

c. (1) Passed Sections 1 and 2 of Promotion Board for Leading Seaman Coxswain—*See* ABR 27 Chapters 7 and 11.

(2) Passed ETI.

(3) PST (for sailors entered or re-entered before 1 May 1967).

(4) Passed Standard NBCD.

d. Course for Leading Seaman Coxswain.

e. Able Seaman or equivalent (coxswain sailors may not be reduced in rank or reverted to their previous Branch in any rank higher than that for which they are qualified).

f. (1) Leading Seamen Coxswain will be recruited by transfer from other branches and volunteers may be of the Able or Leading Rank of the Seaman or non-tradesman branches of the Royal Australian Navy.

(2) Acting Leading Seamen Coxswain will be confirmed after one years composite service in the Acting Leading Ranks (or such longer periods as their Commanding Officers may consider necessary). During their Acting time they may be reverted to their former rank and category if considered unlikely to make suitable Coxswain category sailors. Article 0403 (9) is relevant.

2. Petty Officer Coxswain (ex-Leading Seaman Coxswain):

a. Naval Board.

b. (1) Two years service in the Leading Rank (acting and confirmed).

(2) One years sea going service in the Leading Rank.

(3) Continuous VG Conduct for 18 months immediately preceding the date of promotion.

c. (1) Passed Section 1 of Promotion Board for Petty Officer.

(2) Passed course for Petty Officer Coxswain (Section II Promotion Board)—*see* ABR 27 Chapter 11.

(3) Passed Advanced NBCD.

d. (1) Promotion Board for c (1).

(2) CST HMAS CERBERUS for c (2).

(3) Commanding Officer HMAS PENGUIN for c (3).

e. Able Seaman or Equivalent (coxswain sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).

f. Service qualification in b (1) and (2) includes period as Leading Rank in previous category.

3. Petty Officer Coxswain (transferred from Petty Officer (acting or confirmed) from Seaman or non-tradesman categories):

a. CST HMAS CERBERUS.

b. —.

c. Passed Coxswain conversion course.

d. CST HMAS CERBERUS for c.

e. Able rank or equivalent (coxswain sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).

f. Petty Officer Coxswains (acting or confirmed) transferred from Seaman or non-tradesman categories, on successful completion of Coxswain conversion course, will serve a period of six months in the Provisional rank, the Provisional notation being removed on the recommendation of the sailors Commanding Officer.

4. Chief Petty Officer Coxswain (ex-Petty Officer Coxswain):

a. Naval Board.

b. (1) Three years service as a Petty Officer (acting and confirmed).

(2) One years sea-going service in the rank of Petty Officer.

(3) Continuous VG Conduct for three years immediately preceding the date of promotion.

c. Passed Section 1 and 2 of Promotion Board for Chief Petty Officer.

d. Promotion Board for Chief Petty Officer.

e. Able Seaman or equivalent (coxswain category sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).

f. Service qualification vide b (1) and (2) includes period as Petty Officer in previous category.

5. Chief Petty Officer (transfer from Chief Petty Officer from Seaman or non-tradesman categories):

a. CST HMAS CERBERUS.

b. —.

c. Passed Coxswain conversion course—*see* ABR 27 Chapter 11.

d. CST HMAS CERBERUS.

e. Able Rank or equivalent (coxswain sailors may not be reduced in rank or reverted to their previous category in any rank higher than that for which they are qualified).

f. Chief Petty Officer Coxswains transferred from Seaman or non-tradesman categories, on successful completion of the Coxswain conversion course, will serve a period of six months in the Provisional rank, the Provisional notation being removed on the recommendation of the sailors Commanding Officer.

Coxswain Category—Special Conditions

6. The provisions of ABR 10/69 Article 1107 are amended as follows:

a. *Limits on Reduction/Reversion in Rank.* A sailor of the Coxswain category is not to be reduced or reverted in rank within the Coxswain category:

(1) To a rank below the rank of Leading Seaman Coxswain; or

(2) to a rank below that rank held on transfer to the Coxswain category.

Where applicable, the sailor is to be reduced or reverted in rank and reverted to his former branch/category.

b. *Reversion from Coxswain Category.* On reversion, from the Coxswain category, a sailor will resume the category previously held in accordance with ABR 10/69 Article 0403 (9). Coxswain sailors reverted to their former categories will not be considered for further service in the Coxswain category.

c. *Special Report after a Break in VG Conduct.* Where a Coxswain sailor is convicted of an offence which involves a break in VG Conduct or Reduction in Rank, but not necessitating action as in 6a above, the case is to be reported to the Naval Board with the Commanding Officers recommendation on the sailors suitability for retention in the Coxswain category.

d. *Repromotion after Reduction in Rank.* A coxswain sailor who is reduced in rank but not reverted to his former category will be repromoted in accordance with ABR 10/69 Article 0402 (9).

e. *Reversion for Unsuitability.* Where reversion for unsuitability for a Coxswain sailor is considered for any reason, action is to be in accordance with ABR 10/69 Article 0403 and Paragraph 6a above. When a sailor is reverted in rank within the Coxswain category the case is to be referred to the Naval Board with the Commanding Officers recommendation on the sailors suitability for retention in the Coxswain category.

f. *Repromotion after Reversion.* A coxswain sailor who is reverted in rank but not reverted to his former category will be repromoted in accordance with ABR 10/69 Article 0404.

ANNEX C

Coxswain Category—Training

1. Seaman Sailors:

a. Transfer at Leading Rank and below:

(1) For transfer to LSCOX: eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.

(2) For promotion to POCOX: eight week POCOX Promotion Course (No 911890) at HMAS CERBERUS.

(3) For promotion to CPOCOX: BTT.

b. Transfer at Petty Officer or Acting Petty Officer Rank:

(1) For transfer to P/POCOX: eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.

(2) For promotion to CPOCOX: BTT.

c. Transfer at Chief Petty Officer Rank:

(1) For transfer to P/CPOCOX: eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.

2. Non-Seaman Sailors:

a. Transfer at Leading Rank and below:

(1) For transfer to LSCOX:

(a) Four week seamanship course at HMAS CERBERUS to the standard of the seamanship component of Leading Seaman BTT.

(b) Eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.

(2) For promotion to POCOX: as for seaman sailors.

(3) For promotion to CPOCOX: as for seaman sailors.

ANNEX C—*continued*

b. Transfer at Petty Officer or Acting Petty Officer Rank:
(1) For transfer to P/POCOX:
(a) Four week seamanship component of seaman PO promotion courses at HMAS CERBERUS or PENGUIN.
(b) Eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.
(2) For promotion to CPOCOX: as for seaman sailors.

c. Transfer at Chief Petty Officer Rank:
(1) For transfer to P/CPOCOX:
(a) Four week seamanship course at HMAS CERBERUS to the standard of the seamanship component of CPO Seaman BTT.
(b) Eight week Coxswain Conversion Course (No 902540) at HMAS CERBERUS.

3. Course training standards will be included in ABR 27 in due course.

(DGM 302/201/43)

(*Navy Order 78/69*)

Section 4
EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

323/70—Ammunition—Pyrotechnics—Motor Flare 2-inch Rocket Mark N11—Introduction into Service

(*DCI (RN) 1469/69*)

1. *Authorities Concerned* .. .. HMA ships, shore establishments and RAN armament depots.

2. *Purpose of Instruction* .. .. To notify all concerned that Motor Flare 2-inch Rocket Mark N11 is hereby introduced into Naval service and has been allocated the following store reference number:

38901413 Motor Flare 2-inch Rocket Mark N11 with Mark 2/N Fins.

3. *Information* .. .. .. a. The Motor Flare 2-inch Rocket Mark N11 is similar in design to the Motor Flare 2-inch Rocket Mark N9 and Mark N9/1 except that the Mark N11 Motor is fitted with a Radhaz Filter to render it safe against Radio Hazards. Trials carried out confirm that no Radio Hazard restriction need apply to this store in its normal service environment. Changes to the environment in the future will be kept under review, and when necessary further trials will be arranged.

3. *Information*—continued

b. The present allowance of Motors Flare 2-inch Rocket remain unchanged.

c. RAN Armament Depots are to ensure that issues of Mark N9 Motors are made first.

(DAS 728/56/73)

UNCLASSIFIED

324/70—Ammunition—Pyrotechnics—Signals Distress Day and Night No 1 Mark 1—Defective Lots

(*DCI (RN) 247/70*)

Navy Order 196/70 is to be amended as follows:

Item: Delete last line SPRA 4/66.

Insert SPRA 12/66.

(DAS 728/57/60)

(*Navy Order 196/70*)

UNCLASSIFIED

325/70—Naval Stores—Introduction and Allowances—Group Class 6625 Catalogue No 016-1936—Multimeter for Patrol Boats Use

1. Multimeter Army (Aust) No 2 is being introduced into Naval Service for use in Patrol Boats. This is a small but robust, hand held, general purpose instrument, for use in environments where an AVO meter model 7x would be unsuitable. Allowances for trial purposes are detailed in Annex A; a limited number of larger warships have been included to assess the value of the instrument in general ship use.

2. It is not intended that these meters should replace any meter presently issued or allowed to ships until the trials are evaluated.

3. An evaluation report of this instrument is to be forwarded to the Director of Fleet Maintenance after the instrument has been in service for a six month period. This report is to give the information requested in Annex B.

ANNEX A

Allowances

One each to HMAS BARBETTE, BUCCANEER, BARRICADE, BOMBARD, BAYONET, AWARE, ADVANCE, ASSAIL, AITAPE, SAMARI, LAE, MADANG, VENDETTA, STUART, YARRA, MELBOURNE, WATERHEN and GARDEN ISLAND—ELECTRONIC LABORATORY.

ANNEX B

Report

1. Has the introduction of this instrument into the Fleet proved to be justified by experience in the last six months?

2. Would a standard AVO meter
a. Model 7x
b. Multiminor
have been equally useful?

ANNEX B—*continued*

3. Has the rugged construction of this instrument proved to be of value in use or is this extra protection considered unnecessary?

4. Are there any limitations in the use of this instrument you consider worthy of consideration if it was intended for general issue?

5. Has the instrument been unserviceable during the six month period? If so, why?

6. Has the buzzer on the continuity tester proved of value?

(DGDM 400/1/619)

UNCLASSIFIED

326/70—Naval Stores—Introduction and Allowances of Flashlight—Stock No 6230-00-264-8261

1. The undermentioned item is being introduced in the RAN for use by aircrew as personal equipment:

Group/Class	*Catalogue No*	*Description*	*CL*	*DQ*
6230	00-264-8261	Flashlight	C	No

2. Demands to outfit each member of aircrew borne for flying duties, with 1 No Flashlight 6230-00-264-8261 are to be lodged with the Superintending Naval Store Officer, Sydney.

3. As delivery of the item may be protracted, demands should not be hastened.

(DSAP 519/75/370)

UNCLASSIFIED

327/70—Officers Mess Traps—Replacement Allowances—1970-71

1. Consequent on the revision of prices to be charged for mess gear, details of which have been promulgated, the authorised amounts to which free replacement of consumable items of officers mess traps may be made for the financial year 1970-71 are as follows:

	In Stationary Ships and Establishments	*In Sea-going Ships*
	$	$
Mess:		
Flag Officer	—	563.84
Commodore or Captain	267.56	321.06
Flag Captain	—	165.80
Commander or Lieutenant-Commander in command of detached independent command	137.52	165.04
Wardroom:		
Mess of one officer	41.76	50.16
Mess of two officers	77.96	93.56
For every officer in excess of two	19.28	23.16

2. All consumable stores drawn against the above allowances are to be valued at the prices shown in the 'Official Memorandum—Fixed Issuing Price List for Mess Gear', of 1 July 1970.

3. Replacement allowances are to be calculated in accordance with ABR 93, Article 2214.

4. Navy Order 461/69 is hereby cancelled.

(D of V 914/52/137)

(*Navy Order 461/69*)

UNCLASSIFIED

328/70—Sailors Mess Utensils—Replacement Allowances—1970-71

1. Consequent on the revision of prices to be charged for mess gear, details of which have been promulgated, free replacement of consumable items of mess utensils will be allowed for Chief Petty Officers, Petty Officers and other Sailors Messes in HMA ships and establishments during the financial year 1970-71 up to the following amounts:

	$
Chief Petty Officers and Petty Officers	6.16
Other sailors	3.92
Wrans when messed separately	6.16
Apprentices and Junior Recruits when messed separately	3.92

2. All consumable stores drawn against the above allowances are to be valued at the prices shown in the 'Official Memorandum—Fixed Issuing Prices for Mess Gear', dated 1 July 1970.

3. Replacement allowances are to be calculated in accordance with ABR 93, Article 2214.

4. Navy Order 462/69 is hereby cancelled.

(D of V 914/52/137)

(*Navy Order 462/69*)

UNCLASSIFIED

329/70—Stores General (Group Class 0254)—Hose Fittings—Change of Accounting Classification

1. As a result of action taken in respect to Paragraph 5 of Navy Order 279/67, the accounting classification of undermentioned stores, as shown in ABR 5074, is to be amended. Consumable items are to be reclassified as Permanent ('C' to 'P'):

Group Class	*Catalogue Number*	*Group Class*	*Catalogue Number*
0254	1557	0254	L50577
0254	L50575	0254	L50578
0254	L50576		

2. Action is to be taken to adjust accounts in accordance with ABR 4 (Naval Storekeeping Manual) Articles 1815, 3903.

3. ABR 5074 (RAN Catalogue of Stores) will be amended in due course.

(DSAP 506/51/400)

(*Navy Order 279/67*)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

330/70—Losses by Theft—Review of Reporting Requirements

1. Navy Order 218/70 is to be amended as follows:

Paragraph 2a *delete* Sub-paragraph (2) and *insert* new sub-paragraph as follows:

'(2) Has all practical action been taken to recover the resultant financial loss if theft caused by negligence or misconduct?'

Paragraph 2a *delete* Sub-paragraph (3) and *insert* new sub-paragraph as follows:

'(3) Is disciplinary action proposed? If not, why not?'

Paragraph 2b line 3—after 'Navy Order' *insert* '218/70'.

2. ABR 5016 and ABR 4 will be amended in due course.

(DSAP 400/1/897)

(*Navy Order 218/70*)

UNCLASSIFIED

331/70—Scales of Equipment in Shore Establishments—Floor Polishers

1. Evaluation of the Polisher Floor Electric 10-11 inch Stock No 7910-66-028-8349 referred to in Paragraph 4 of Navy Order 317/69, has now been completed and the machine has been accepted for RAN use.

2. The current standard polishers approved for use in HMA Naval establishments are:

Group Class	*Catalogue No*	*Description*
7910	66-031-3097	Polisher floor electric, 16-inch, single brush, 240V
7910	66-021-5530	Polisher floor electric, domestic, 2-brush type, 240V AC/DC
7910	66-028-8349	Polisher floor electric, 11-inch, single brush, 240V

3. The 15-inch Polisher Floor Electric, Stock No 7910-66-021-5527 presently used in the RAN will be replaced when unserviceable and uneconomical to repair, by the 16-inch Polisher, Stock No 7910-66-031-3097 or the 10-11 inch Polisher, Stock No 7910-66-028-8349 as appropriate.

4. The scale for floor polishers is re-promulgated for information:

Generally one heavy-duty polishing machine for every 1,000 square yards of floor area to be maintained, but in the case of larger establishments, consideration should be given to whether the concentration of buildings would enable requirements to be met by a more restricted scale.

In certain establishments where special considerations apply, eg, remote location of workshops, clean rooms, offices, communication centres, requirements may be met by the provision of lightweight 10-11 inch or domestic type two-brush polishing machines where the area to be polished does not warrant use of heavy duty type. In multi-storey accommodation blocks in which a lift is not installed, a lightweight or domestic type two-brush machine may be provided for each floor except that, in the case of blocks for males, the requirement may be met by the supply of a heavy duty polisher where there would be uneconomical use of the smaller type.

5. ABR 4 Article 0303 Paragraph 11 is relevant.

6. Navy Order 317/69 is hereby cancelled.

(DSAP 519/77/151)

(*Navy Order 317/69*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 332/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
30 July 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Handau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

20070/70

Section 2

PERSONNEL

UNCLASSIFIED

332/70—Furlough, Extended Leave and Payment in Lieu

1. Consequent upon the many recent variations to the Commonwealth Employees Furlough Act the rules applicable to furlough and payment in lieu of furlough and extended leave are hereby promulgated in a consolidated form.

Definitions

2. (1) *Furlough.* When a member has rendered not less than 15 years service he may be granted leave of absence, called 'Furlough', for a period of three tenths of one month on full pay for each completed year of service, or three fifths of one month on half pay for each completed year of service.

(2) *Extended Leave.* When a member has completed less than 15 years service and his service is terminated for one of the following reasons:

(a) medical discharge;

(b) having reached retiring age for rank held;

(c) 'Free' discharge for pressing domestic reasons for which there is no solution other than the members discharge;

(d) retrenchment or discharge to meet the needs of the Service; or

(e) discharge on death,

he may, if eligible, be granted 'Extended Leave' or payment in lieu of 'Extended Leave' in accordance with the appropriate scales.

(3) *Death.* All references to death in this Navy Order include cases where the members death has been presumed by the Naval Board.

Applications

3. Applications for furlough or payment in lieu of furlough or extended leave are to be forwarded to Navy Office, Canberra, on Form E*, accompanied by Form E/1* not later than one month before furlough or payment in lieu is desired. In the case of Medical Discharges the forms should be completed but NOT DATED and forwarded to Navy Office, Canberra, where they will be dated and processed as soon as the discharge date becomes known.

4. It is essential that Form E/1* be attached to Form E* as the information contained in this form must be obtained before furlough or payment in lieu of furlough or extended leave may be approved.

5. When a member completes 15 years continuous service he may apply to the Naval Board to be granted furlough, but he should forward with his application a statement of his reasons for wishing to proceed on furlough. Such applications will be considered in the light of the applicants reasons and will only be approved subject to the exigencies of the Service.

6. The limit on furlough which may be taken at any one time is 12 months, however, payment in lieu of furlough may be made in respect of a period in excess of 12 months when a member is discharged, dies or retires.

7. When a member dies, payment in lieu of accrued furlough or extended leave may only be effected after formal application is made by the widow or other dependant/s, and a Statutory Declaration in accordance with Form F* is received. Such applications should indicate the extent, etc, of dependence. When there are dependants over the age of 14 years, other than the applicant, the written consent of each on a duly witnessed Form F/1* is to be attached to the Statutory Declaration and forwarded with the application.

8. The Naval Authority is to indicate whether the widow or other applicant is a suitable person to handle a considerable sum of money, and should the person in question not be considered suitable an explanatory statement of the reasons should be provided. In such cases, if the widow or other applicant is found to be unsuitable, the moneys due may be held and managed by a duly appointed Trustee.

**Note:* All forms quoted above are shown in Annex A to this Navy Order, including Form E/3 which is mentioned in Paragraph 32.

Pay and Allowances

9. Pay for furlough or extended leave purposes is comprised of:

(1) Active Pay;

(2) Non-reduction Allowances;

(3) Deferred Pay;

(4) Flying Pay, Supplementary Flying Pay, Aircrewmen Flying Pay or Winch Operators Flying Pay;

(5) Diving Pay;

(6) SAR Diving Pay;

(7) Submarine Pay;

(8) Special Responsibility Allowance;

(9) Technical Officers Writer Allowance;

(10) Medical Branch Specialist Allowance;

(11) Good Conduct Increments;

(12) Uniform Allowance;

(13) Marriage Allowances;

(14) Surveying Pay—where the member has been entitled to receive this allowance for a period of 12 months immediately prior to the grant of furlough;

(15) District Allowance—if the member or his family remains in the District Allowance locality; and

(16) Living Out Allowance.

10. If, for any reason, a member is not in receipt of the full rate of pay and allowances to which he is normally entitled at the date of his retirement, invaliding or death his furlough or extended leave payment will be assessed at the full rate of pay and allowances to which, but for that reason, he would have been entitled.

11. Where a member is entitled to have Deferred Pay taken into account in calculating his pay for furlough or extended leave purposes the amount of such Deferred Pay shall not be paid to him during that period, but shall be credited to his Deferred Pay Account.

12. Acting Rank and Higher Duties Allowance are only to be counted for furlough or extended leave purposes when:

a. furlough or payment in lieu of furlough or extended leave is granted immediately prior to, or on, retirement or discharge and the member currently holds acting rank or is in receipt of HDA and has held the acting rank or been in receipt of HDA:

(1) for not less than 12 months continuously; or

(2) for not less than a total of three years during the preceding five years; and

b. furlough is granted other than on retirement or discharge and the member currently holds acting rank or is in receipt of HDA and has held the acting rank or has been in receipt of HDA for not less than 12 months immediately prior to the grant.**

13. When a member holds a rank on a provisional basis, that rank will be regarded as his substantive rank for furlough, extended leave or payment in lieu purposes only should the grant be made on the members retirement, invaliding or death.**

***Note:* These rules also apply when payment is made to a deceased members dependants.

14. If a member proceeds on furlough, the payment of Marriage Allowances is dependent upon the member continuing the standard rate of Marriage Allotment.

15. Members who proceed on furlough are required to contribute at their normal rate, to the Defence Forces Retirement Benefits Fund for the full period of their absence from duty.

Admissible Service

16. Admissible service is all continuous service in the RAN and includes other recognised continuous service with approved government or semi-government bodies which is continuous with a members current RAN service. Periods of admissible service must be continuous with each other as well as being continuous with the members current RAN service.

17. A list of recongised government and semi-government bodies whose service is regarded as qualifying service under the Commonwealth Employees Furlough Act is attached as Annex B to this Navy Order. It is in the best interests of all members that they examine this list and that they notify Navy Office of any previous admissible service, or service which they consider may be admissible but is not shown on the list, as soon as possible. Admissible service is verified by Navy Office and noted on each members record, thus ensuring earlier payment when any application is received. Should a member notify Navy Office of previous admissible service at the time of application for furlough, or payment in lieu thereof, a delay of up to, or more than, six weeks may reasonably be expected in effecting payment. Applications to count previous service should be by letter addressed to The Secretary, Department of the Navy, Navy Office, Canberra, ACT 2600.

Note: A member who dies in the Service and has failed to notify Navy Office of previous admissible service may, by his failure to have such service noted, deprive his dependants of additional furlough or extended leave benefits.

18. The following is a general resumé of what service is regarded as admissible or qualifying service under the provisions of the Commonwealth Employees Furlough Act:

a. service as an employee of a State or with a public authority, under the direction or control of a State Minister, which carries out functions which are within the province of the State Government. (This does not include local governing bodies, eg, city councils); and

b. service as an employee of the Commonwealth including any service in the Armed Forces, Public Service of the Commonwealth or any Territory of the Commonwealth and, service in the RAN during which the member was on loan or exchange service to the Royal Navy or the Navy of any of Her Majestys dominions.

19. Previous admissible service for which a member has already received furlough or payment in lieu on retirement, on or after reaching the retiring age may count towards further eligibility, however, such periods of service appropriate to the furlough granted or paid in lieu will be taken into account in determining the members ultimate furlough entitlement.

20. The following service is not counted as admissible or qualifying service for furlough purposes:

a. any employment as a part-time employee;

b. any employment in an honorary capacity only;

c. any employment remunerated by fees, allowances or commissions only;

d. any period of service after the member has attained the age of 65 years;

e. service with the RAN on loan from the RAN or from the Navy of any of Her Majestys dominions.

21. Unless a member is or was discharged due to unsatisfactory service the continuity of his service will not be considered broken (even if he was not employed) if the period of absence does not exceed 12 months continuously and if the total of such period or periods does not exceed one seventh of the members first period of admissible service. It should be noted, however, that such periods of absence do not count as service for furlough or extended leave purposes.

22. A member who prior to his appointment, re-appointment, entry or re-entry, underwent an approved course of study† with or wihtout a period of subsidised employment† may count such periods as admissible service subject to the following:

a. where leave with or without pay has been granted by the Commonwealth or another recognised authority the period is counted as service for furlough purposes provided that the Commonwealths or the recognised authoritys furlough provisions regard such leave as service for furlough purposes;

b. where leave of absence is not granted, or where it is granted but not regarded as service for furlough purposes, the absence irrespective of its duration does not constitute a break in service but does not count as service for furlough purposes;

c. where there were any absences which do not count as service for furlough purposes immediately before and/or after an approved course of study with or without subsidised employment they are to be totalled and treated as one period of absence in determining whether there has been a break in service exceeding 12 months. Such breaks are to be considered in the light of Paragraph 21 unless the subsidised employment, if any, can be considered as service for furlough purposes; and

d. where a member undertook a period of subsidised employment with a private employer other than the Commonwealth or another recognised authority, following an approved course of study and the member was appointed, re-appointed, entered or re-entered on or after 2 August 1961, and, leave was not granted, or leave was granted but did not count as service for furlough purposes, such period of employment counts as an absence from service for furlough purposes.

†*Note:* 1. An approved course of study is one provided by the Commonwealth under the Commonwealth Reconstruction Training Scheme or under the Repatriation Act.

2. A period of subsidised employment is one during which the Commonwealth subsidised the wages of the employee under the Commonwealth Reconstruction Training Scheme or under the Repatriation Act.

23. The following do not constitute a break in the continuity of a members service: Leave of absence:

a. with pay or part pay;

b. without pay when leave is due to illness;

c. without pay in pursuance of any section of the Commonwealth Public Service Act under which a period of absence has been, or is, allowed to be included as service; and

d. without pay for such other purposes as the Naval Board approves.

Note: For the purposes of d above, leave without pay under Regulations 147 and 148 of the Naval Forces Regulations will not constitute a break in a members service, but the period of leave will not count as service for furlough unless the Naval Board otherwise direct.

24. If a members service is terminated due to ill health, which is not the result of causes within his own control, or due to misconduct, the continuity of his service will not be broken should he return to duty within 12 months after his health is restored sufficiently to enable him to resume duty. The period of absence will not count as service for furlough.

25. When a member has deserted, his service prior to desertion is not counted for furlough purposes unless the Naval Board decides, due to any period of good service subsequent to his desertion, that the whole or part of his service prior to desertion shall be taken into account.

26. A member who on dishonourable discharge has completed not less than 15 years qualifying service for furlough purposes may if so determined by the Naval Board, be granted payment in lieu of the whole or part of his furlough entitlement on discharge. The provisions of the Naval Discipline Act may, however, apply in certain cases to forfeit any such entitlement.

27. When a member enrols in the Reserve Naval Forces immediately after service in the Permanent Naval Forces and continues to render continuous full time service his service for furlough purposes shall not be regarded as broken.

Extended Leave or Pay in Lieu for Members Not Eligible for Furlough

28. A member who has not completed 15 years admissible service for furlough purposes may, if he has completed a minimum of four years admissible service, be granted leave of absence called 'extended leave' immediately before his retirement or pay in lieu in accordance with the following paragraphs.

Note: Normally extended leave is not granted but payment is made in lieu.

29. Extended leave or pay in lieu in accordance with the following scale may be granted to a member who:

a. is discharged due to ill health not due to misconduct or circumstances within his own control;

b. retires on reaching retiring age for rank held; or

c. is retrenched.

In the case of a member who dies, the Naval Board may authorise payment to his dependants:

Admissible Service	*Old Entitlement*	*New Entitlement*
4 years but less than 8	2 months	2 months
8 years	3 months	3 months
9 years	3 months	3 months
10 years	3 months	3 months
11 years	3 months	$3^{3}/_{10}$ months
12 years	4 months	$3^{3}/_{5}$ months
13 years	4 months	$3^{9}/_{10}$ months
14 years	4 months	$4^{1}/_{5}$ months

Note: 1. The new entitlement is only to apply to those members who had not completed 10 years admissible service as at 26 October 1966.

2. The old entitlement is still to apply to those members who had completed 10 or more years admissible service as at 26 October 1966.

30. In the case of members who resign (other than those provided for in Paragraph 31 of this Navy Order), or are discharged from the RAN with less than 15 years admissible service it should be noted that members who have not reached retiring age for rank held, on or prior to discharge are not entitled to furlough, extended leave or payment in lieu thereof.

31. Where a member is discharged or retired at his own request prior to completion of his appointment or engagement, or reaching retiring age for rank held, and the Naval Board is satisfied that his discharge or retirement is justified by domestic or other pressing circumstances which cannot be resolved by any alternative method, he

may, provided that he has completed not less than 10 years admissible service, but less than 15 years, be granted payment of a sum in accordance with the following table, if so determined by the Naval Board:

Admissible Service	*Entitlement*
10 years	3 months pay
11 years	$3^{3}/_{10}$ months pay
12 years	$3^{3}/_{5}$ months pay
13 years	$3^{9}/_{10}$ months pay
14 years	$4^{1}/_{5}$ months pay

Any applications for payment under these circumstances should be supported by the members statement setting out the reasons, in full, which are considered to justify payment and should be accompanied by any other documentary evidence which may support the members case, eg, medical certificates, etc.

Note: The above provisions do not, for instance, provide for payment where a member is discharged 'Engagement Expired' and he is unable to re-engage due to domestic or other pressing circumstances; nor would payment be approved if the members situation could be resolved by a grant of leave, with or without pay, in the case of a domestic emergency, or by alternative employment with the Commonwealth at a new place of domicile or in another appropriate category.

General

32. When a member leaves the RAN and he intends engaging in some other form of Commonwealth employment he may elect to carry his admissible service over to his new employment, not receiving payment on discharge. However, members should realise that if they decide upon this course of action the situation may well arise, at a later date, when they eventually proceed on furlough or are paid in lieu thereof, that they may be paid at a lower rate of pay than that to which they would have been entitled in the RAN. (Form E/3 in Annex A may be relevant.)

33. If a member elects to be paid in lieu of furlough or extended leave on leaving the RAN, his RAN service is still counted as admissible should he subsequently engage in Commonwealth employment, provided that his admissible service is 'unbroken' but the period for which he has been paid in lieu will be deducted from his ultimate entitlement. If a member leaves the RAN and commences other Commonwealth employment within 12 months, his continuity of admissible service is generally regarded as unbroken, but the period of absence from Commonwealth employment is not counted as service for furlough purposes.

34. A grant of furlough does not effect the other leave entitlements of a member.

35. When a member falls ill for a period of not less than two weeks whilst on furlough and at the time produces satisfactory medical evidence that he is unfit for duty he may be recredited the period of furlough during which he was ill.

36. A payment in lieu of furlough or extended leave made to a member on leaving the Service is regarded for taxation purposes as a retiring gratuity and only 5 per cent of the amount is taxable.

ANNEX A

Instruction 250/4 Form E

The First Schedule
Commonwealth of Australia
Royal Australian Navy
Naval Pay Instructions

Application for Furlough or Extended Leave on Pay

I hereby apply for furlough or extended leave which may be due to me in respect of my service in the Royal Australian Navy and in respect of such other periods of service as may be admissible.

Details of my service are as under:

Name and Location of Commonwealth or State Department, Service or Authority by which Employed	*Rank, Rating or Designation Last Held*	*Period of Service*	
		From	*To*

Note: All prior service with the Commonwealth or a State, or a Territory of the Commonwealth, or an Authority of the Commonwealth or of a State should be included.

..../....19.... Signature of Applicant.....

Particulars to be furnished by the Captain

(1) Name of applicant.....
(2) Rank or rating.....
(3) Official number.....
(4) Where serving.....
(5) Rate of pay and allowances.....
(6) Date of ceasing duty, or proposed date of commencement of furlough.....
(7) Reason for retirement.....
(8) Recommendation of the Captain.....
(9) Can applicants duties be performed by other members of staff in his absence without a relief?.....

(Sgd).....
(Captain)

..../..../19....

To be accompanied by Statutory Declaration by applicant as set out in Form E/1.

ANNEX A—*continued*

Instruction 250/4 Form E/1

The First Schedule
Commonwealth of Australia
Royal Australian Navy
Naval Pay Instructions

Payment in Lieu of Furlough or Extended Leave

Statement by Member or Ex-member

Full name: Rank or rating:

1. Have you previously been granted furlough, extended leave or pay in lieu thereof in respect of a period of prior service with the Commonwealth, a State of the Commonwealth, a Territory of the Commonwealth or an Authority of the Commonwealth or of a State?
2. If the answer to question 1 above is 'YES', here supply the following details in respect of period for which you have been granted furlough, extended leave or pay in lieu thereof:

Department or Authority by which Previous Grant	*Period of Service in Respect of which Gran was Made*	
	From	*To*

.....
(*Signature of Member or ex-Member*)

Commonwealth of Australia Statutory Declaration

(*See* Note 1)

I,....., of.....,
(full name) (address)

....., do solemnly and sincerely declare that
(occupation)

the answers to the question and the particulars supplied by me in the above Statement are true and correct to the best of my knowledge and belief.

And I make this solemn declaration by virtue of the Statutory Declaration Act 1959, and subject to the penalties provided by that Act for the making of false statements in statutory declarations, conscientiously believing the statements contained in this declaration to be true in every particular.

.....
(Signature of person making declaration)

Declared at
this day of , 19
before me,

.....
(Signature of person before whom declaration is made)

.....
(Title of person before whom declaration is made (*see* Note 2))

ANNEX A—*continued*

Instruction 250/6 Form E/3

The First Schedule
Commonwealth of Australia

Election Not to be Granted Furlough or Extended Leave or Pay in Lieu Thereof on Cessation of Naval Service

I hereby elect not to be granted the Furlough or Extended Leave entitlement due to me in respect of my service in the Royal Australian Navy or such other periods of service as may be admissible. I further elect not to be paid in lieu of such entitlement.

.....19.... Signature of Applicant.....

Particulars to be furnished by the Captain

(1) Name of applicant.....
(2) Rank.....
(3) Personal number.....
(4) Where serving.....
(5) Date of ceasing duty.....
(6) Reason for retirement.....

(Sgd).....
(Captain)

..../..../19....

Note: This election is only to be completed by members retiring on or after attainment of retiring age who desire to carry their period of service forward into subsequent Commonwealth employment.

ANNEX A—*continued*

Instruction 250/4 Form F

The First Schedule
Commonwealth of Australia
Royal Australian Navy
Naval Pay Instructions

Payment in Lieu of Furlough or Extended Leave

Application and Statement by Widow or Other Adult Dependant

IN THE MATTER OF pay in lieu of * extended leave / furlough due to:

Full name of deceased member..... Rank.....
Lately serving in.....
Who died at.....on.....19....

APPLICATION

I,....., of.....,
(full name) (address)
....., hereby make application for payment to
(occupation)
me of the pay in lieu of * furlough / extended leave due the abovenamed deceased member.
(* Strike out whichever is not applicable.)

STATEMENT
(*See* Note 1)

1. What relation are you to the deceased?.....
2. (*See* Note 2).
   (a) Was the deceased member married?.....
   (b) If so, is his wife still alive?.....
3. (a) Are there any living children of the deceased member?.....
   (b) If so, here state their full names and respective ages.....

Full Name	*Age*

4. (a) Were you wholly dependent upon the deceased member for support?.....
   (b) If not, here state average weekly value of support received.....
5. (a) Have you any income other than the amount received from the deceased member?.....
   (b) If so, here state the amount of such other income and the source.....
   .....
   .....

ANNEX A—*continued*

6. (a) Was any person other than yourself dependent upon the deceased member for support at the time of his death?.....
   (b) If so, give the following particulars:

Name	*Relationship*	*Age*	*Address*	*Extent of Dependency*

....
(*Date*) (*Usual Signature*)

Commonwealth of Australia Statutory Declaration
(*See* Note 3)

I,....., of.....,
(full name) (address)
....., do solemnly and sincerely declare that
(occupation)
the answers to the questions and the particulars supplied by me in the above Statement are true and correct to the best of my knowledge and belief.

And I make this solemn declaration by virtue of the Statutory Declarations Act 1959, and subject to the penalties provided by that Act for making of false statements in statutory declarations, conscientiously believing the statements contained in this declaration to be true in every particular.

.....
(Signature of person making declaration)

Declared at
this day of , 19
before me,

.....
(Signature of person before whom declaration is made)

.....
(Title of person before whom declaration is made)

Note: 1. All questions must be answered in the applicants own handwriting. Where any question or part of a question does not apply to your case, 'NOT APPLICABLE' should be written in the space provided. A stroke will not be accepted.
2. These details are to be supplied only where the applicant is an adult dependant other than widow. Where the applicant is the widow, 'NOT APPLICABLE' should be written in the space provided.
3. A person who wilfully makes a false statement in a statutory declaration under the Statutory Declarations Act 1959 is guilty of an offence against that Act, the punishment for which is a fine not exceeding $200 or imprisonment for a term not exceeding six months or both if the offence is prosecuted summarily, or imprisonment for a term not exceeding four years if the offence is prosecuted upon indictment.

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ANNEX A—*continued*

Instruction 250/4 Form F/1

The First Schedule
Commonwealth of Australia
Royal Australian Navy
Naval Pay Instructions

Payment in Lieu of Furlough or Extended Leave

Consent of Dependant for Payment to Widow or Other Dependant

I, ..., hereby consent to all the pay in
(full name)

lieu of furlough / * extended leave due to.....
(name of deceased member)

being paid to.....
(name of widow or other dependant)

.....
(Signature)

.....
(Witness)

(* Strike out whichever is not applicable.)

Note: The written consent of children above the age of 14 years and dependants other than children is necessary for payment to be made to the widow or other dependant.

ANNEX B

Schedule of Organisations, Service with which is Admissible for Furlough Purposes

Name of Organisation	*Remarks*
Aborigines Welfare Board of New South Wales	
ACT Police	
ACT Brickworks—Draggers	From 8.4.55—30.6.60
Agricultural Bank of Western Australia	
Agricultural Department of Western Australia	This includes Muresk Agricultural College
Agricultural Bank of Tasmania	
Amalgamated Wireless (Australasia) Ltd	Only those who were employed by AWA Ltd who were: (1) taken over by the Overseas Telecommunications Commission on 1.10.46, (2) Aeradio operators taken over by DCA in September 1939 and June 1940
Army Canteens Service Board	
Associated Radio Co (Vic) in Association with Broadcasting Co of Australia Pty Ltd	For conditions, *see below*, under Australian Broadcasting Control Board
Associated Radio Co (Tas) in Association with Broadcasting Co of Australia Pty Ltd	
Australian Aluminium Production Commission	
Australian Apple and Pear Marketing Board	
Australian Apple and Pear Board	
Australian Atomic Energy Commission	
Australian Broadcasting Commission	
Australian Broadcasting Control Board member of Australian Broadcasting Company Limited	Subject to the provisions of the *Commonwealth Employees' Furlough Act* 1943–1959, (1) prior service of personnel of Australian Broadcasting Company who were taken over by ABC on 1.7.32; and (2) similar recognition of service with Farmer & Co., 2FC Ltd, New South Wales Broadcasting Company Ltd (and the counter parts of those parts of those companies in the other States of the Commonwealth) prior to service with the ABCo Ltd, and the ABC where continuity of employment is preserved

ANNEX B—*continued*

Name of Organisation	*Remarks*
Australian Canned Fruits Board	
Australian Coastal Shipping Commission (Australian National Line)	Probationary service and the Apprenticeships of Cadets is regarded as service
Australian Dairy Produce Board	
Australian Egg Board	
Australian Egg Export Control Board	
Australian Hides and Leather Board	
Australian Honey Board	
Australian Meat Board	
Australian National Airlines Commission (TAA)	
ANA Annexe, Parafield	Only those employed at time of takeover by Commonwealth (DAP) 28.9.45
Australian National Travel Association After 1.7.67	
Australian National University	
Australian Potato Committee	
Australian Rabbit Skins Board	
Australian Shipping Board	
Australian Security Intelligence Organisation	
Australian Services Canteens Organisation	
Australian Stevedoring Industry (Board) Authority	
Australian Tourist Commission	
Australian War Memorial	
Australian Whaling Commission	
Australian Wheat Board	
Australian Wine Board	
Australian Womens Land Army	As for Civil Aliens Corps
Australian Wool Realisation Commission (formerly Central Wool Committee)	
Australian Wool Bureau	
Australian Wool Testing Authority	

Barron Falls Hydro-Electricity Generating Station	Service after 1.4.46 when station taken over by Cairns Regional Electricity Board
Betting Control Board of South Australia	Service after 3.1.39
Board Hospitals (Non-Departmental) WA	But *see* separate listing for hospitals at the end of this schedule
Board of Management appointed under the Australian War Memorial Act (1925–52)	*See* Australian War Memorial
Brisbane and South Coast Hospitals Board	
Brisbane Metropolitan Fire Brigade	
Broken Hill Water Board	
Bush Fire Council appointed under the Careless Use of Fire Ordinance 1936 of the ACT or that Ordinance as amended	
Cable and Wireless Ltd	But only those taken over by OTC on 1.4.50. Service can count back to 8.4.29
Canberra Community Hospital Board	
Canberra Theatre Trust	
Canberra University College	Up to 30.9.60 when the College became part of the Australian National University
Canberra Tourist Bureau	Service prior 1.7.52
Cairns Regional Electricity Board	*See* Regional Electricity Boards of Queensland
Capricornia Regional Electricity Board Rockhampton	*See* Regional Electricity Boards of Queensland
Central Broadcasters Ltd (South Australia)	For conditions, *see* notes against ABCo Ltd on page 1
Central Hospital Melbourne	
Central Sugar Cane Prices Board Queensland	
Central Wool Committee	*See* Australian Wool Realisation Commission
Charities Board of Victoria	
Childrens Welfare and Public Relief Board of SA	
Civil Aliens Corps	(1) Employee who left Commonwealth employment for service with Civil Corps has *all* period of service counted (2) Employee who was not employed with Commonwealth prior to service with the Corps has any period of employment with a contractor employed by the Corps, *excluded* for furlough purposes
Civil Construction Corps	As for Civil Aliens Corps

ANNEX B—*continued*

Name of Organisation	*Remarks*
Cockatoo Island Dockyard Service	Service prior to 28.2.33
Commissioner for Irrigation and Water Supply Queensland	
Commissioner for Main Roads NSW	
Committee of Direction of Fruit Marketing Qld	
Commonwealth Banking Corporation	
Commonwealth Bank of Australia	
Commonwealth Brickworks (Canberra) Ltd	Commonwealth Officers all prior service after 1 July 1960
Commonwealth Colleries Pty Ltd	From May 1944
Commonwealth Development Bank of Australia	
Commonwealth Dried Fruits Control Board	
Commonwealth Flax Commission	
Commonwealth Flax Production Committee	Such service was employment under the Supply and Development Act
Commonwealth Hostels	For persons who are presently Commonwealth Officers and employees, all prior service with the company at any time after 27.1.52 (the date on which the company commenced operations) subject to the normal rules affecting continuity
Commonwealth Marine Salvage Board	
Commonwealth Police Force	
Commonwealth Prickly Pear Board	
Commonwealth Railways Commissioner	
Commonwealth Savings Bank of Australia	
Commonwealth Shipping Line (Aust Commonwealth Shipping Line of Steamers)	
Commonwealth Scientific and Industrial Research Organisation	
Commonwealth Trading Bank of Australia	
Council of the Canberra University College	Up to 30.9.60 when College became part of Australian National University
Corporation of city of Darwin	
Country Roads Board of Victoria	
Charcoal, Iron and Steel Industry Board of Management, WA	

Department of Engineering and Water Supply SA	
Department of Crown Lands and Survey Victoria	
Department of Main Roads New South Wales	
Department of Public Instruction Qld	Periods of Studentship Teaching with this Organisation are excluded
Department of Public Lands Qld	
Department of Road Transport and Tramways NSW	
Department of Tourist Activities and Immigration Sydney	
Director of Shipping	
District Fire Brigade Boards Queensland (Established under the Fire Brigade Act 1920–59 of Queensland)	
Dominion Broadcasting Co Ltd	For conditions, *see* note against ABCo Ltd on page 1
Dookie Agricultural College Victoria	
Egg Marketing Board of Western Australia	
Electoral Department of Western Australia	
Electricity Authority of New South Wales	
Electricity Commission of NSW	
Electricity Trust of South Australia	But Adelaide Electric Supply Company is *excluded* for Commonwealth Employees Furlough purposes
Employment by the Gas Examiner (Melbourne)	
Employment by Trade Commissioners and Assistant Trade Commissioners	
Export Payments Insurance Corporation	
Farmers Assistance Board of South Australia	
Farmer and Company 2FC Ltd	For conditions, *see* note against the ABCo Ltd on page 1
Farmers Debt Adjustment Board of Victoria	
Fisheries Department of Western Australia	
Fire Brigade Board of Queensland	
Fire Brigades Board of New South Wales	
Fire Brigades Board of South Australia	
Fire Brigade Boards of Tasmania	If constituted under *Tasmanian Fire Brigades Act* 1945, as amended
Flax Fibres Ltd	Persons who were taken over by the Flax Production Committee from 1.12.40

ANNEX B—*continued*

Name of Organisation	*Remarks*
Flax Production Committee (Commonwealth)	Service from 1.12.40
Forestry Commission of NSW	
Forestry Commission of Tasmania	
Forestry Department of Tasmania	
Forests Commission of Victoria	Studentship non-admissible
Forests Department, WA	
Fremantle Harbour Trust	
Gas Examiner Melbourne—Employment by	
Geelong Harbour Trust	
Geelong Water Works and Sewerage Trust	
Golden Casket Office of Queensland	
Goldfields Water Supply Branch, Department of Public Works, WA	
Gordon Institute of Technology	
Government (Departmental) Hospitals WA	
Government Insurance Office New South Wales	All service except that in capacity of General Manager
Grain Elevators Board of New South Wales	
Grain Elevators Board of Victoria	
Gresswell Sanatorium—Victoria	
Government Engineering and Shipbuilding Undertaking (State Dockyard) Newcastle	
Guinea Airways Annexe	Only those employed at time of take-over by the Commonwealth (DAP) 12.1.45
Harbour Boards, Qld (Mackay, Gladstone, Bowen, Bundaberg, Cairns, Rockhampton, Townsville)	
Harbour Trusts, Tas (Smithton, North-Eastern, Ulverstone)	
High Commissioners Office London	
High Commissioners Offices—Staff—officers appointed under High Commissioner Act and locally engaged Staff	

Hospital and Charities Commission of Victoria	
Housing Commission of New South Wales	
Hunter River District Water Board	
Hydro-Electric Commission Tasmania	
Housing Commission of Victoria	
Housing Commission of WA	
Institute of Medical and Veterinary Science SA	
Irrigation and Water Supply Commission Qld	
Joint Coal Board	*See also* Newcom Colliery Pty Ltd
Labour Bureau WA	This includes the Factories Branch
Latrobe Valley Water and Sewerage Board	
Liquid Fuel Control Board	
Mackay Harbour Board	
Magnetic Observatory, Watheroo	Service of employees who were taken over (on transfer) by Commonwealth on 1.7.47
Main Roads Board of NSW	
Main Roads Department of WA	
Marine Boards, Tasmania, (Burnie, Hobart, Circular Head, King Island, Strahan, Flinders)	
Marine Board of Launceston, Tasmania (including North East Harbour Trust from 14.11.60)	
Maritime Services Board of New South Wales	
Materials Procurement Directorate	
Meat Distribution, WA	
Melbourne Harbour Trust	
Melbourne and Metropolitan Board of Works	
Melbourne and Metropolitan Fire Brigade	
Melbourne and Metropolitan Tramways Board	
Merchant Navy Service	Only if vessels owned and operated by Commonwealth
Metropolitan Fire Brigade Board of Victoria	

ANNEX B—*continued*

Name of Organisation	*Remarks*
Metropolitan and Export Abattoirs Board of South Australia	
Metropolitan Milk Board (Western Australia)	
Metropolitan Meat Industry Board of NSW (State Abattoirs, Homebush)	
Metropolitan (Perth) Passenger Transport Trust	
Metropolitan Transport Trust of Tasmania	Only service from 1.3.55 in Hobart and 1.7.55 in Launceston
Metropolitan Water, Sewerage and Drainage Board of NSW	
Midland Junction Abattoir Board	
Mildura Vineyards Protection Board	
Milk Board of Western Australia	
Ministry of Transport, NSW	
Monitorial Service, State Education Department, WA	
Municipal Tramways Trust South Australia	
National Capital Development Commission	
National Fitness Council of WA	
National Oil Pty Ltd	Service from 17.8.49 and service prior to that date which is continuous, ie, persons taken over on 17.8.49
National Parks Board of WA	
Newcom Collier Pty Ltd of Wallerawang	Whilst it was a wholly owned subsidiary of the Joint Coal Board
New Guinea Expropriation Board	
New South Wales Agricultural Department	
New South Wales Ambulance Transport Board	
New South Wales Broadcasting Company Ltd	For conditions, *see* note against the ABCo Ltd on page 1
New South Wales Chief Secretarys Department	
New South Wales Child Welfare and Social Welfare Department	
New South Wales Colonial Treasurers Department	
New South Wales Conservation Department	
New South Wales Department of Attorney-General and of Justice	
New South Wales Department of Education	Service as a Student-Teacher is excluded

New South Wales Department of Labour and Industry	
New South Wales Department of Public Health	
New South Wales Department of Motor Transport	
New South Wales Department of Road Transport and Tramways	
New South Wales Department of Technical Education	
New South Wales Electricity Authority	
New South Wales Fire Brigades Board	
New South Wales Government Engineering and Shipbuilding Undertaking, Newcastle	
New South Wales Government Transport	
New South Wales Government Insurance Office	All service except that in capacity of General Manager
New South Wales Government Stores Department	
New South Wales Hospitals	But *see* separate listing for hospitals at the end of this schedule
New South Wales Housing Commission	
New South Wales Lands Department	
New South Wales Local Government Department	
New South Wales Maritime Services Board	
New South Wales Metropolitan Meat Industry Board	
New South Wales Metropolitan Water, Sewerage and Drainage Board	
New South Wales Mines Department	
New South Wales Mining Company Pty Ltd	
New South Wales Ministry of Co-operative Societies and Friendly Societies	
New South Wales Ministry of Housing	
New South Wales Ministry of Transport	
New South Wales Parliament House	
New South Wales Police Department	
New South Wales Premiers Department	
New South Wales Public Library	
New South Wales Public Works Department	
New South Wales Railways (Railways Commissioner of NSW)	
New South Wales State Coalmine Lithgow	
New South Wales State Dockyard Newcastle	

ANNEX B—*continued*

Name of Organisation	*Remarks*
New South Wales State Pre-cut Homes Undertaking	
New South Wales Technical Education Department	
New South Wales Totalizator Agency Board	
New South Wales Tourist Activities—Immigration Department	
New South Wales University of Technology	
New South Wales Water Conservation and Irrigation Commission	
Northern Territory Port Authority	
Overseas Telecommunications Commission (Aust)	
Office of the Garden Suburb Commissioner SA	
Police Department of Western Australia	
Portland Harbour Trust	
Prices Commissioner (all States)	
Police Force of Queensland	
Public Library of NSW	
Qantas Empire Airways Ltd	All services from 1.7.47 on which date company became wholly owned by the Commonwealth. Additionally service prior to 1.7.47 with Qantas Empire Airways Ltd, and its predecessor QANTAS Ltd is recognised for any person who was one of the staff taken over on 1.7.47 by the wholly Commonwealth owned company and whose service with Qantas Empire Airways Ltd was continuous with employment with QANTAS Ltd
QANTAS Ltd	But only in the circumstances set out in the note above on Qantas Empire Airways Ltd
Queensland Department of Agriculture and Stock	
Queensland Department of Auditor-General	
Queensland Department of Development and Mines	
Queensland Department of Education	Service as a student at a teachers college is excluded

Queensland Department of Forestry	
Queensland Department of Health and Home Affairs	
Queensland Department of Justice	
Queensland Department of Labour and Industry	
Queensland Department of Premier and Chief Secretary	
Queensland Department of Public Lands	
Queensland Department of Public Service Commissioner	
Queensland Department of Public Works and Local Government	
Queensland Department of Railways	
Queensland Department of the Co-ordinator-General of Public Works	
Queensland Department of the Treasury	
Queensland Department of Transport	
Queensland District Fire Brigades Board	
Queensland Electricity Supply	
Queensland Fish Board	
Queensland Government Tourist Bureau	
Queensland Hospitals (State Controlled)	But *see* separate listing for hospitals at the end of this schedule
Queensland Hospitals Boards	But *see* separate listing for hospitals at the end of this schedule
Queensland Housing Commission	
Queensland Institute of Medical Research	
Queensland Irrigation and Water Supply Commission	
Queensland Main Roads Commission	
Queensland Meat Industry Board	
Queensland Northern Electric Authority of Queensland	
Queensland Prickly Pear Board	
Queensland Radio Service	For condition *see* note against ABCo Ltd on page 1
Queensland Southern Electricity Authority	
Queensland State Government Insurance Office	
Queensland State Electricity Commission	
Queensland State Wheat Board	
RAAF Canteens Service Board	
Rationing Commission	
Renmark Irrigation Trust of South Australia	

ANNEX B—*continued*

Name of Organisation	*Remarks*
Regional Electricity Boards of Queensland established under Regional Electric Authority Acts 1945–1954	
Reserve Bank of Australia	
RMC (Duntroon) Canteen Services	
Royal Melbourne Technical College	
Rural Bank of New South Wales	
Rural and Industries Bank of Western Australia	
Savings Bank of South Australia	
Shipment of North West Cattle, WA	
Soil Conservation Authority of Victoria	
Soil Conservation Service of NSW	
Snowy Mountains Hydro-Electric Authority	Not including service with a contractor employed by Authority
Soldier Settlement Commission Victoria	
South Australian Aborigines Office	
South Australian Adelaide Local Court	
South Australian Adelaide Police Court	
South Australian Agricultural College	
South Australian Art Gallery	
South Australian Botanic Garden	
South Australian Department of Agriculture	
South Australian Department of Audit	
South Australian Department of Chemistry	
South Australian Department of Chief Secretary	
South Australian Department of Childrens Welfare and Public Relief	
South Australian Department of Crown Solicitor	
South Australian Department of Education	Service as a Student-Teacher is excluded
South Australian Department of Engineering and Water Supply	
South Australian Department of Fisheries and Game	
South Australian Department of Labour and Industry	

South Australian Department of Lands	
South Australian Department of Land Tax	
South Australian Department of Mines	
South Australian Department of Minister of Agriculture	
South Australian Department of Minister of Local Government, Roads and Railways	
South Australian Department of Motor Vehicles	
South Australian Department of Parliamentary Draftsman	
South Australian Department of Police	
South Australian Department of Produce	
South Australian Department of Public Buildings	
South Australian Department of Public Health	
South Australian Department of Public Service Commissioner	
South Australian Department of Public Stores	
South Australian Department of Public Trustee	
South Australian Department of Public Works	
South Australian Department of Registrar-General of Deeds	
South Australian Department of Stamp and Succession Duties	
South Australian Department of Statistics	
South Australian Department of Superannuation	
South Australian Department of Treasury	
South Australian Department of Woods and Forests	
South Australian Electoral Office	
South Australian Electricity Trust	But *see* Electricity Trust of South Australia
South Australian Fire Brigades Board	
South Australian Harbours Board	
South Australian Highways and Local Government	
South Australian Hospitals Department	But *see* separate listing for hospitals at the end of this schedule
South Australian Housing Trust	
South Australian Immigration, Publicity and Tourist Bureau	
South Australian Institute of Medical and Veterinary Science Libraries	
South Australian Metropolitan Export Abattoirs Board	
South Australian Municipal Tramways Trust	

ANNEX B—*continued*

Name of Organisation	*Remarks*
South Australian Museum	
South Australian Office of Agent-General in England	
South Australian Office of Attorney-General	
South Australian Office of Country and Suburban Courts	
South Australian Office of Government Reporting	
South Australian Office of Printing and Stationery	
South Australian Office of Supreme Court	
South Australian Railways	
South Australian Roads and Railways	
South Australian School of Mines	
South Australian Sheriffs and Gaols and Prisons	
Southern Electricity Authority of Queensland	
Staff of High Commissioners Officers	Officers appointed under High Commissioner Act, and locally engaged staff
Stanley River Works Board Queensland	
State Bank of South Australia	
State Brickworks Western Australia	Name subsequently changed to State Building Supplies WA
State Coalmine Lithgow, NSW	
State Electricity Commission of Queensland	
State Electricity Commission of Western Australia	
State Electricity Commission of Victoria	
State Engineering Works Leighton Western Australia	
State Ferries WA	
State Fish Supply WA	
State Government Insurance Office of Queensland	
State Housing Commission Western Australia	
State Implement and Engineering Works WA	
State Pre-cut Homes Undertaking NSW	
State Prices Organisations	
State Quarry, Boya, WA	

State Rifle Associations, District Rifle Club Unions, Miniature Rifle Club Unions, rifle clubs and miniature rifle clubs formed or established in accordance with, or under the Australian Rifle Club Regulations	
State Rivers and Water Supply Commission Victoria	
State Savings Bank of Victoria	
State Sawmills Western Australia	Name subsequently changed to State Building Supplies WA
State Shipping Service of WA	
State Technical Colleges—All States	
State Wool Committees	Service with these Organisations is service with the Central Wool Committee—*see* Australian Wool Realisation Commission
Subordinate War Gratuity Board, WA and War Gratuity Board (General)	
Sydney Metropolitan Water, Sewerage and Drainage Board	
Tariff Boards	But individual applications for recognition of service on Tariff Boards (all States) should be submitted to Treasury for decision
Tasmanian Agricultural Bank	
Tasmanian Attorney-Generals Department	
Tasmanian Broadcasters Pty Ltd	For conditions, *see* note against ABCo Ltd on page 1
Tasmanian Closer Settlement Department	But individual applications for recognition of service are to be submitted to Treasury for decision
Tasmanian Department of Agriculture	
Tasmanian Department of Audit	
Tasmanian Department of Education	
Tasmanian Department of Film Production	
Tasmanian Department of Rivers and Water Supply	
Tasmanian Department of Gaols	
Tasmanian Department of Health Services	
Tasmanian Department of Housing	
Tasmanian Department of Immigration	But individual applications for recognition of service are to be submitted to Treasury for decision
Tasmanian Department of Labour and Industry	
Tasmanian Department of Lands and Surveys	

ANNEX B—*continued*

Name of Organisation	*Remarks*
Tasmanian Department of Lands Titles	
Tasmanian Department of Mines	
Tasmanian Department of Police	
Tasmanian Department of Premier and Chief Secretary	
Tasmanian Department of Public Works (Includes the Local Government Office)	
Tasmanian Department of Social Services	
Tasmanian Department of Solicitor-General	
Tasmanian Department of Treasury (includes the Land Valuation Branch)	
Tasmanian Electoral Department	
Tasmanian Forests Department	
Tasmanian Forestry Commission	
Tasmanian Government Printing Office	
Tasmanian Government Wooden Ship-building Brand	
Tasmanian Hospitals	But *see* separate listing for hospitals at the end of this schedule
Tasmanian Magisterial and Court of Requests Office	
Tasmanian Magistracy—Southern Division	
Tasmanian Magistracy—Northern Division	
Tasmanian Magistracy—Western Division	
Tasmanian Marine Board of Circular Head	
Tasmanian Marine Board of Devonport	(including Ulverstone Harbour Trust from 1.1.63)
Tasmanian Marine Board of Flinders	
Tasmanian Marine Board of Hobart	
Tasmanian Marine Board of King Island	
Tasmanian Marine Board of Launceston	
Tasmanian Marine Board of Strahan	
Tasmanian North-Eastern Harbour Trust	(including Marine Board of Launceston from 14.11.60)
Tasmanian Office of Parliamentary Draftsman	
Tasmanian Office of Public Service Commissioner	

Tasmanian Office of Public Service Tribunal	
Tasmanian Office of Supreme Court and Sheriff	
Tasmanian Police Force	
Tasmanian Public Trust Office	
Tasmanian Railways	
Tasmanian Registrar Generals Department	
Tasmanian Smithton Harbour Trust	
Tasmanian State Library Office	
Tasmanian Supply and Tender Office	
Tasmanian Transport Commission	
Tasmanian Ulverstone Harbour Trust	(Marine Board of Devonport from 1.1.63)
Tea Importation Board	
Teachers Training College Tasmania, Victoria	
Thursday Island Hospitals Board	
Town and Country Planning Board Victoria	
Trade Commissioners and Assistant Trade Commissioners and Persons Employed by them	
Trans Australian Airlines (Australian National Airlines Comm)	
Transport Commission Tasmania	
Transport Regulations Board of Victoria	
Trustees of the Canberra Public Cemetery	
Trustees of the Services Canteens Trust Fund	
Townsville Regional Electricity Board	
Ulverstone Harbour Trust, Tasmania	(Marine Board of Devonport from 1.1.63)
Universities Commission	
Universities (All States)	
University of NSW (previously known as NSW University of Technology)	
Victorian Attorney-Generals Department	
Victorian Board of Land and Works	
Victorian Charities Board	
Victorian Chief Secretarys Department	

ANNEX B—*continued*

Name of Organisation	*Remarks*
Victorian Civil Ambulance Service	
Victorian Country Roads Board	
Victorian Department of Agriculture	
Victorian Department of Education	
Victorian Department of Explosives	
Victorian Department of Fisheries and Wild Life	
Victorian Department of Health—Mental Hygiene	
Victorian Department of Immigration	
Victorian Department of Labour and Industry	
Victorian Department of Crown Lands and Survey	
Victorian Department of Mines	
Victorian Department of Public Works	
Victorian Department of Social Welfare	
Victorian Department of Treasury—Government Printing Office	
Victorian Forests Commission	
Victorian Grain Elevators Board	
Victorian Hospital and Charities Commission	
Victorian Inland Meat Authority	
Victorian Local Government	
Victorian Metropolitan Fire Brigade	
Victorian Ministry of Transport	
Victorian Police Womens Auxiliary	
Victorian Premiers Department	
Victorian Prices Branch	
Victorian Public Library	
Victorian Soldier Settlement Commission	
Victorian State Coal Mine Wonthaggi	
Victorian State Electricity Commission	
Victorian State Police	
Victorian State Railways	

Victorian State Rivers and Water Supply Commission	
Victorian State Savings Bank	
Victorian Transport Regulations Board	
Water Conservation and Irrigation Commission NSW	
Western Australian Department (Government) and Board Hospitals	But *see* separate listing for hospitals at the end of this schedule
Western Australian Department of Audit	
Western Australian Department of Chief Secretary	This includes, Registrar-Generals Office, Prisons, Astronomical Services, State Hotels, Harbour and Light
Western Australian Department of Child Welfare	This includes the Childrens Court
Western Australian Department of Crown Law	This includes the Solicitor-Generals Office, Supreme Court, Arbitration Court, Court Offices, Public Trust Office, Land Titles Office
Western Australian Department of Education	Service as a Student-Teacher is excluded; also includes the Technical Education Division
Western Australian Department of Industrial Development	
Western Australian Department of Lands and Survey	This includes, Land Settlement Branch, and Surveyor-Generals Division
Western Australian Department of Labour	*See also* Labour Bureau
Western Australian Department of Local Government	
Western Australian Department of Mines	This includes, Explosives Branch, Inspection of Mines and Machinery Branch, State Batteries, Government Chemical Laboratories, Geological Survey Branch, Survey Examinations and Drafting Branch
Western Australian Department of Native Welfare	
Western Australian Department of Public Health	Includes Tuberculosis Branch, Public Health Laboratories and Mental Health Services
Western Australian Department of Public Works and Country Water Supply, Sewerage and Drainage	
Western Australian Department of Town Planning	
Western Australian Department of Treasury	
Western Australian Egg Marketing Board	
Western Australian Fire Brigades Board	
Western Australian Government Tramways and Railways	

Name of Organisation	*Remarks*
Western Australian Government Tramways and Ferries	
Western Australian Labour Bureau	This includes the Factories Branch
Western Australian Main Roads Department	
Western Australian Meat Export Works	
Western Australian Medical Department	
Western Australian Mental Health Services	
Western Australian Metropolitan Water Supply, Sewerage and Drainage Department	
Western Australian National Parks Board	
Western Australian Premiers Department	
Western Australian Public Service Commissioners Office	
Western Australian State Brickworks	Name subsequently changed to State Building Supplies, WA
Western Australian State Electricity Commission	
Western Australian State Engineering Works Leighton	
Western Australian State Ferries	
Western Australian State Gardens Board (and/or its successor—The National Parks Board)	
Western Australian State Government Insurance Office	
Western Australian State Hotels	
Western Australian State Implement and Engineering Works	
Western Australian State Railways	
Western Australian State Shipping Service	
Western Australian State Sawmills	Name subsequently changed to State Building Supplies, WA
Western Australian Workers Compensation Board	
Westralian Farmers Limited	For conditions, *see* note against ABCo Ltd on page 1
Wide Bay Burnett Electricity Board	
Wide Bay Regional Electricity Board	
Williamstown Dockyards	
Wine Overseas Marketing Board	

Workers Home Board WA	
Wyndham Freezing Canning & Meat Export Works	
Zoological Board of Victoria	
HOSPITALS:	
New South Wales Hospitals:	
Public Hospitals	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with all hospitals listed in the Second Schedule to the Public Hospitals Act, 1929, as amended, of New South Wales, for such periods as the hospitals are or have been included in the Second Schedule
The Royal Prince Alfred Hospital (which includes the King George V Memorial Hospital)	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with these six hospitals as listed in the Third Schedule to the Public Hospitals Act 1929, as amended of New South Wales, for such periods as these hospitals are or have been included in the Third Schedule
Sydney Hospital	
The United Dental Hospital	
The Prince Henry Hospital	
The Royal Alexandra Hospital for Children	
South Sydney Womens Hospital	
Queensland Hospitals:	
Public Hospitals	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with all public hospitals conducted by Hospital Boards appointed by the State under the Hospital Act 1936, as amended, of Queensland. The undermentioned hospitals are *not* covered by this approval: Mater Misercordiae Hospital, Brisbane St Vincents Hospital, Toowoomba St Vincents Hospital, Rockhampton

ANNEX B—*continued*

Name of Organisation	*Remarks*
South Australian Hospitals:	
Government Hospitals and the following 49 country Government subsidised hospitals:	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with all Government hospitals and with the 49 subsidised hospitals named
Angaston Hospital	
Balaklava Hospital	
Berri Hospital	
Blyth Hospital	
Booleroo Centre Hospital	
Bordertown (Tatiara Soldiers Memorial) Hospital	
Burra Hospital	
Clare Hospital	
Cleve Hospital	
Cowell Hospital	
Crystal Brook Hospital	
Cummins Hospital	
Elliston Hospital	
Eudunda Hospital	
Gawler (Hutchinson) Hospital	
Gumeracha (Soldiers Memorial) Hospital	
Hawker (Great Northern War Memorial) Hospital	
Jamestown Hospital	
Kangaroo Island General Hospital	
Kapunda Hospital	
Keith Hospital	
Kimba Hospital	
Kingston Hospital	
Lameroo Hospital	
Loxton Hospital	
Maitland Hospital	
Mannum Hospital	

McLaren Vale (Southern District's War Memorial) Hospital	
Millicent (Thyne Memorial) Hospital	
Minlaton Hospital	
Mount Barker Hospital	
Mount Pleasant Hospital	
Murray Bridge Hospital	
Naracoorte Hospital	
Onkaparinga Hospital	
Orroroo Hospital	
Penola Hospital	
Peterborough Hospital	
Pinnaroo Hospital	
Quorn Hospital	
Renmark Hospital	
Riverton Hospital	
Snowtown Hospital	
Strathalbyn and District Hospital	
Streaky Bay Hospital	
Timby Bay Hospital	
Victor Harbour (South Coast District) Hospital	
Waikerie Hospital	
Yorketown Hospital	
Tasmanian Hospitals:	
Public Hospitals	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with all public hospitals as defined in the Hospitals Act 1918–1958, as amended, of Tasmania. (Applies to hospitals controlled by a public hospitals board constituted a body corporate under that Act)
Chest and Mental Hospitals	These are government institutions and service with them is service with the State
District Nursing Centres (14) with Hospital beds	
Hospitals for the care of the aged:	
Cosgrove Park, Launceston	
St Johns Park, Newtown	
Spencer Homes, Wynyard	

ANNEX B—*continued*

Name of Organisation	*Remarks*
Tasmanian Hospitals—*continued*	
Miscellaneous:	
Peacock	These are government institutions and service with them is service with the State
Millbrook Rise Psychopathic Home	
Mothercraft Home	
Victorian Hospitals:	
Incorporated and Unincorporated Public Hospitals other than 'Separate institutions'	Within the provisions of the *Commonwealth Employees Furlough Act* 1943, as amended, service with hospitals which are incorporated institutions under the Hospitals and Charities Act 1948, as amended, of Victoria, and unincorporated public hospitals other than 'separate institutions' under that Act
Western Australian Hospitals:	
Government and 'Board' Hospitals	Within the provisions of the *Commonwealth Employees Furlough Act* 1943 as amended, service with all Government Hospitals, and with all hospitals controlled by Hospital Boards appointed by the State Minister for Health

(HPB 465/201/461)

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HISTORIAN

ANOs 333/70-345/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
31 July 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

20071/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

333/70—Decommissioning

The following decommissioning has been effected:

HMAS VAMPIRE .. .. 29 June 1970

(AS (NS) 1211/251/200)

RESTRICTED

334/70—Policy for Joint Maritime Operations

1. The following policy for Joint Maritime Operations, having been approved by the Chiefs of Staff Committee, is promulgated for the guidance of all concerned.

Introduction

2. The common roles of the Navy and Air Force include joint operations and assisting each other in fulfilling Single Service roles.

3. Fulfilment of these roles will require joint operations by the RAN and the maritime element of the RAAF. This Navy Order defines the policy for the responsibility and control of such joint operations.

4. Although this policy statement does not cover the employment of RAAF strike aircraft operating in support of maritime operations, nor of RAAF fighter aircraft operating under the control of RAN ships at sea, requests for the employment of these aircraft will originate from the Maritime Headquarters.

5. Definitions for use in joint maritime operations are given as Annex A to this Navy Order.

Higher Command and Control

6. The defence of sea communications in the Australia Area is an integral part of the defence of Australia and the Territories, which is the responsibility of the Chiefs of Staff Committee. The Chiefs of Staff Committee is responsible for the direction of joint operations and for the policy under which they will be conducted.

7. Within policy approved by the Chiefs of Staff Committee, the Chief of the Naval Staff and the Chief of the Air Staff will be jointly responsible for the development of procedures for the conduct of joint maritime operations.

8. The Chief of Naval Staff and the Chief of the Air Staff, in conjunction with the Naval and Air Boards, are responsible for the training and administration of the Naval and Air Forces, respectively, employed in joint maritime operations.

Operational Control in the Australia Area

9. The Chief of Naval Staff is responsible to the Chiefs of Staff Committee for the defence of sea communications in the Australia Area and is designated the Operational Control Authority. He is to appoint a Maritime Defence Commander for the Australia Area who is to control a jointly staffed Maritime Headquarters. The

Maritime Defence Commander is to command assigned Naval forces, and is to exercise operational control, through the senior RAAF Officer on the joint staff of the Maritime Headquarters, of RAAF elements assigned by the Chiefs of Staff Committee.

10. The Maritime Defence Commander may appoint an Officer in Tactical Command in accordance with principles set down in ATP 1A. The Officer in Tactical Command will exercise tactical control over those elements of the maritime defence forces assigned to him.

11. When the Maritime Headquarters is not activated and forces are not specifically assigned by the Chiefs of Staff Committee, operations or exercises will be conducted under arrangements mutually agreed by the Chief of Naval Staff and the Chief of the Air Staff or their nominated representatives.

Operational Control Outside the Australia Area

12. It is beyond Australias capacity to provide independently a complete maritime defence environment for forces deployed to South East Asia. Reliance must therefore be placed on allied maritime defence arrangements in other areas, under which elements contributed by Australia would be part of a larger allied maritime force. Such arrangements would be determined by the appropriate Operational Control Authority, who would take into account the particular maritime defence requirements of all forces in the area. Australian policy for maritime defence in areas outside the Australia Area is therefore to provide a suitable contribution to allied maritime forces under conditions which will be decided by the Chiefs of Staff Committee at the time.

13. RAN and RAAF maritime elements assigned outside the Australia Area will be controlled by the appropriate United States or ANZAM Commander in accordance with arrangements agreed by the Chiefs of Staff Committee. The Chiefs of Staff Committee will issue directives and instructions as required.

Division of Responsibility

Provision of Maritime Forces

14. The RAN will provide the following elements of the Forces required for the conduct of maritime operations:

a. surface ships;
b. submarines;
c. naval anti-submarine aircraft;
d. naval fighter aircraft;
e. naval SAR facilities;
f. the Naval component of the Maritime Headquarters, including the Maritime Defence Commander for the Australia Station; and
g. the Naval Control of Shipping Organisation.

15. The RAAF will provide the following elements of the forces required for the conduct of maritime operations:

a. RAAF maritime aircraft;
b. RAAF SAR facilities; and
c. the RAAF component of the Maritime Headquarters.

Communications

16. Division of responsibility for the provision of maritime communications will be contained in the Australian Manual of Joint Warfare entitled 'Joint Tactical Communications', when it is produced. Until then JSP 2 and ACP 176 provide guidance.

17. Navy Order 198/67 is hereby cancelled.

ANNEX A

Definitions for Use in Joint Maritime Operations Australia Area

1. The limits of the Australia Area are as follows:

a. *Eastern.* The eastern limits of the Australia Area run from 3° 30′ North 169° East, south to 1° South, thence east to 170° East, thence south along this meridian to 30° South, thence to 45° South 160° East, thence south along the 160° East meridian to the Pole.

b. *Northern.* The northern limits of the Australia Area run from 3° 30′ North 169° East, west to 125° East, thence south to the coast of Celebes, thence west along the coast of Celebes to 120° East, thence south along this meridian to 10° South, thence west to 78° East.

c. *Western.* The western limits of the Australia Area run from 10° South 78° East south along the 78° East meridian to the Pole.

Operational Control Authority

2. The Operational Control Authority (OCA) is the Naval Commander responsible for the control of the movement and for the protection of all allied merchant shipping within specified geographical limits.

Maritime Headquarters

3. The Maritime Headquarters is the joint headquarters specially established from which the Maritime Defence Commander controls maritime forces through the joint Naval and Air Staff components.

Officer in Tactical Command

4. The Officer in Tactical Command (OTC) is the senior Officer in Command or officer to whom he has delegated tactical command.

Naval Control of Shipping Organisation

5. The Naval Control of Shipping Organisation is the Naval organisation exercising control of shipping during time of war or emergency.

(AS (NS) 1624/201/63)

(*Navy Order 198/67*)

Section 2

PERSONNEL

UNCLASSIFIED

335/70—Returned Services League of Australia Award of Sword to Supplementary List Seaman Midshipmen

1. The introduction of an annual prize presented by the Returned Services League of Australia has been approved.

2. The Returned Services League of Australia prize of a naval sword will be presented annually to the Supplementary List Midshipman of the Seaman Branch of the first or second intake who gains the highest aggregate marks in Phase I, Phase II and Phase III training for commissioned rank in the RAN.

3. The sword for 1970 has been won by ASLT SLEX C. J. CLEVELAND, RAN.

4. Names of future winners of the Returned Services League of Australia Sword will be published in Navy Orders.

(D of T 38/6/43)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

336/70—Aircraft Maintenance Engineer Licence—Exemptions from DCA Examinations for RAN Trained Personnel

1. The Department of Civil Aviation has completed an investigation into:
   a. The classes of RAN trained aircraft maintenance personnel who merit exemptions from DCA aircraft maintenance engineer licensing examinations.
   b. The particular DCA examination papers from which exemptions will be granted.
   c. The conditions under which DCA will continue granting exemptions.
   d. The class of persons in DCA who may grant exemptions from the examinations for DCA issued AME licences.

2. The exemptions approved by DCA are shown in Annex A. These exemptions are subject to the following conditions:
   a. The grant of examination exemptions to RAN trained personnel will be conditional upon continued liaison between the RAN Aircraft Maintenance Examination Board and the AME licensing and examination sub-section of DCA representatives, each visiting the other on alternate years and on such other occasions as may be necessary.
   b. The basis on which exemptions will continue to be granted is subject to such variations as may be necessitated by changes in either the RAN training and examination system or the DCA AME licensing system.

3. All applications for examination exemptions are to be made individually to the Supervising Airworthiness Surveyor (AME Licensing and Examinations)—short title AWSL—Central Office.

4. Copies of the full report are held by:
   Navy Office
   HMAS ALBATROSS
   HMAS NIRIMBA
   Regional Offices of DCA
   Major employers and representatives organisations in the civil aviation industry.

5. This order will be reprinted for posting on notice boards.

(D of T 312/1/31)

RESTRICTED

337/70—Solatron Helicopter and Blind Pilotage Trainer

Paragraph 3 of Navy Order 184/70 is to be amended to read as follows:

'3. The equipment is most suitable for practicing ASW aircraft control, ASW procedure, SAU and SAG procedures, and NGS Command Team functions.'

(D of T 311/4/262)

(*Navy Order 184/70*)

UNCLASSIFIED

338/70—Support Craft—Bridge Qualifications for Sailors

1. It has been decided to certify bridge qualifications for sailors serving in diving tenders (YDT and YCD), torpedo recovery vessels and other support craft.

2. Support Craft Coxswains, who will be qualified to undertake watchkeeping duties on coastal passages and to take command of the vessel in sheltered waters, will require a Support Craft Coxswains Certificate. Conditions of award and the form of this certificate are laid down in Annex A to this order.

3. Seaman Chief Petty Officers who will be qualified to command support craft will require a Support Craft Charge Certificate. Conditions of award and the form of this certificate are laid down in Annex B to this order.

4. The courses in Annexes A and B will be included in ABR 27 and the Sailors Course Programme Navy Order from 1971.

ANNEX A

Support Craft Coxswains Certificate

Pre-Commissioning Training

1. Sailors will undergo Course No 902550 at HMAS WATSON.

Conditions of Award

2. The following conditions are applicable to the award of Support Craft Coxswains Certificate—Qualification No 02550:
   a. Successful completion of Course No 902550.
   b. A minimum of 30 hours bridge experience in a support craft under supervision of a seaman officer with a bridge watchkeeping certificate. The sailor will be required to keep a log of bridge time signed by the supervising officer.
   c. The certificate may be awarded by the support crafts Administrative Authority.

Format

3. *Support Craft Coxswains Certificate*

This is to certify that.....is competent to take charge of the watch in a support craft on coastal passage, and to take command of a support craft for movements in sheltered waters.

ANNEX B

Support Craft Charge Certificate

Pre-Commissioning Training

1. Sailors will undergo Course No 902560 at HMAS WATSON.

Conditions of Award

2. The following conditions are applicable to the award of Support Craft Charge Certificate—Qualification No 02560:

a. Successful completion of Course No 902560.

b. Support Craft Coxswains Certificate held for at least six months while undertaking Support Craft Coxswains Duties.

c. The certificate is to be awarded by HMAS WATSON.

Format

3. *Support Craft Charge Certificate*

This is to certify that.....is competent to command a support craft in enclosed waters and on coastal passage under reasonable navigational and weather conditions.

(D of T 303/22/55)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

339/70—Alteration and Addition Item—HMA Ships

The undermentioned Alteration and Addition Item is approved to be carried out in the following HMA ships:

Ship	*Class List Item No*	*Ex TDL*
HMAS MELBOURNE	248	'NMCU'
HMAS YARRA	404	'NFGD'
HMAS PARRAMATTA	404	'NFGD'
HMAS DERWENT	404	'NFGD'
HMAS STUART	404	'NFGD'
HMAS ANZAC	197	'NBBZ'
HMAS QUEENBOROUGH	625	'NQBO'
HMAS STALWART	19	'NTM'
HMAS DUCHESS	166	'NDCW'

a. *Item:* 'To fit probe fuelling reception arrangement to HMA Ships MELBOURNE, YARRA, PARRAMATTA, DERWENT, STUART, DUCHESS, ANZAC, QUEENBOROUGH and STALWART in accordance with NSOR 2/69.'

b. There will be a weight increase of 400 lb per ship.

c. *Reference:* ACNB Message 230628Z April 1970.

(CNTS 1215/51/307)

UNCLASSIFIED

340/70—Alteration and Addition Item—HMA Ships CURLEW and SNIPE

The following Alteration and Addition Item is approved to be carried out in HMA Ships CURLEW and SNIPE:

Class List Item No 39 (Ex TDL 'N').

a. *Item:* 'To remove the fixed guardrail staunchions on No 1 Deck between Framed 53-62 and to fit portable guardrail staunchions in lieu.'

b. Weight change for the item is negligible.

c. *Reference:* HMAS CURLEWs Form AS1182 TDL 'N' dated 21 August 1969 forwarded under cover of FOCAF Memorandum dated 8 September 1969.

(CNTS 1227/51/499)

UNCLASSIFIED

341/70—Alteration and Addition Item—HMA Ships PERTH and HOBART

Navy Order 356/69 is to be amended as follows:

1. *Delete* Paragraph a and *insert:*

a. *Item:* 'Deck scupper drainage to be provided in washrooms 2-39-2-L, 1-55-2-L and 1-138-0-L in HMAS PERTH and in washrooms 1-55-2-L and 1-138-0-L in HMAS HOBART to RAN Standards. Deck scupper drains in washroom 2-39-2-L in HMAS HOBART to be resited to provide better drainage.'

2. *Delete* Paragraph b and *insert:*

b. Weight compensation will be required for the 150 lb additional weight in HMAS PERTH and for 100 lb additional weight in HMAS HOBART.

3. *Add* to Paragraph c:

. . . and amended as HMAS HOBARTs letter dated 15 May 1969 forwarded under cover of FOCAF Memorandum dated 27 May 1969.

(CNTS 1215/60/118)

(*Navy Order 356/69*)

UNCLASSIFIED

342/70—Heeling Trials—HMA Ships

1. Heeling trials are to be carried out as follows in HMA ships of size HMAS MORESBY and above but excluding HMAS SUPPLY and DDGs:

a. *Shipbuilders Heeling Trials.* For new construction and vessels undergoing modernisation or conversion. These trails are to be carried out while the vessel is in the shipbuilders hands, after basin trials and before contractors sea trials. They will be performed with the vessel stationary only.

b. *Ships Heeling Trials.* For ships in commission. These trials are to be carried out:

(1) After working up and not later than six months after completion.

(2) Once every commission between refits or once every two years, whichever is the longer interval.

Ships which have not previously had shipbuilders heeling trials are to carry out their own trials at the first convenient opportunity. Ships heeling trials will be performed with the vessel both stationary and underway. Once the movement of liquids necessary to impose the required heel has been established by actual trial and provided there have been no alterations materially affecting stability, approval for subsequent trials may be given by the Administrative Authority.

2. In all cases, heeling trials are to be progressed in 5° stages up to a maximum angle of heel of 15° or to such lesser angle as is reasonably obtainable to port and/or to starboard as specified below. At the interim angles of 5° and 10°, sufficient time should be allowed to facilitate the following:

a. A general inspection of the vessel.

b. Completion of tests specifically required for these angles, and careful observance of the precautions listed in Annex A.

c. Inspection of the machinery as required by Annex B.

3. At the maximum angle of heel, a comprehensive series of tests and exercises is to be carried out, as detailed below.

4. Officers and representatives to attend the trials are listed in Annex C.

SHIPBUILDERS HEELING TRIAL

5. The heeling trial will be confined mainly to matters directly affecting propulsion and maintenance of essential services, such as pumping, flooding and fire-fighting for which the dockyard or shipbuilder is responsible for proper functioning. It will not include trials of equipment for which dockyard and shipbuilders have limited responsibility and for which Naval personnel are essential, eg, gunnery and radio.

6. The vessel is to be heeled both to port and to starboard. An inclining experiment will be carried out before the heeling trials and separate instructions will be issued by the Naval Board based on the results as to the following:

a. Best method of producing heel.

b. Tanks to be used.

c. Quantities of liquid involved.

d. Maximum angle of heel in each case.

7. The trial is to be conducted on the following general lines and a detailed programme is to be drawn up in advance by the contractor in consultation with the General Overseer and Superintendent of Inspection and forwarded for the approval of the Naval Board:

a. All main and auxiliary machinery is to be run continuously through trial. The main machinery is to be run as in basin trials.

b. Hull and fire pumps are to be used on a flooded compartment and to charge the firemain.

c. Fresh water pumps are to be operated.

d. Portable pumps are to be tested in conjunction with permanent suction arrangements, and are to be passed through passageways and hatches giving access to compartments in which the pumps are likely to be used for salvage purposes.

e. WT doors, hatches and WT covers of ventilation orifices are to be tried for ease of working.

f. Selected ventilation fans are to be run.

g. WT integrity of ships side valves above the normal waterline are to be checked.

h. The boats on the low side are to be lowered and raised.

j. Anchors on the low side are to be veered and hove in.

k. Steering gear is to be operated both in power and in hand within the limits laid down for heeling trials (*see* Annex A, Paragraphs 9 and 10).

l. Release of life-saving equipment is to be examined.

m. Food lifts are to be raised and lowered (*see* Annex A, Paragraph 13).

n. Selected fuse release switches, supply, ring main and branch breakers, hand and automatic motor starters, automatic changeover switches, and rotating electric machinery with sleeve bearings are to be operated.

8. The contractor is to arrange for the recording of observations made during the trial. The angle of heel is to be recorded at half-hourly intervals on a blackboard mounted in a central position for the information of the trial party.

Action After Shipbuilders Trials

9. Tanks and compartments which have been flooded with sea water should be emptied and dried out after the trials. Defects arising during the trials are to be made good and any alterations found necessary are to be completed before commissioning. A report of action taken is to be forwarded to the Naval Board.

SHIPS HEELING TRIALS

10. The trials are to be carried out after the ships company has had the necessary experience of the ship as a whole and more particularly of the damage control organisation. These trials are intended to give ships company confidence and to practice them in working the ship when heeled and in exercising the counterflooding organisation. Trials underway should be preceded by stationary heeling trials at anchor.

11. For these trials the vessel is to be in the half oil condition and is to be heeled to both sides during the stationary trial, but only to one side during the underway trial. On completion of the stationary trial, ships may weigh anchor and proceed to sea in the heeled condition. Subsequent underway heeling trials are to be carried out on alternate sides. Heel is to be obtained by the transfer of liquids only.

12. The conduct of these trials is the responsibility of the Captain who is to report to the Naval Board through his Administrative Authority:

a. Notice of dates on which trials are to be carried out.

b. Percentages of provisions, water and fuel scheduled to be on board during trials.

c. Quantities of liquid to be transferred to produce heel.

Special instructions may be communicated by the Naval Board as found necessary.

13. The following exercises and trials will be carried out:

a. *For All Ships:*

(1) Items a and m of Paragraph 7 observing power and helm restrictions set down in Annex A.

(2) A meal is to be prepared in the galley and taken at action stations (*see* Annex A, Paragraph 15).

(3) Exercises are to be carried out in the operations room and the gun crews are to seek targets.

(4) Ammunition is to be passed up from the magazine to the guns.

(5) A/S mortar loading arrangements are to be tested.

(6) All radio equipment is to be operated and aerials rotated.

(7) Sonar sets are to be operated on all bearings, dome to be raised and lowered (*see* Annex A, Paragraph 14).

(8) TAS and gunnery weapon and control equipment are to be operated throughout full working range.

b. *In Addition to the Above, for Aircraft Carriers:*

(1) Hangar doors are to be operated.

(2) Fire curtains are to be raised and lowered.

(3) W/T and HF/DF masts are to be raised and lowered at 5° heel only.

(4) Aircraft lifts are to be raised and lowered (*see* Annex A, Paragraph 13).

(5) Bomb and rocket lifts are to be raised and lowered (*see* Annex A, Paragraph 13).

(6) Cranes are to be trained, luffing and purchase hoists are to be operated (*see* Annex A, Paragraphs 11 and 12).

Action After Ships Trials

14. Tanks and compartments which have been flooded with sea water are to be emptied and dried out. A report is to be forwarded, through the Administrative Authority, to the Naval Board (copy to Officer-in-Charge NBCD School) on the behaviour of the ship and of the various items tried or tested.

15. Navy Order 210/67 is hereby cancelled.

ANNEX A

PRECAUTIONS TO BE OBSERVED DURING TRIALS

1. Heel is to be achieved by the transfer of liquids only. No recourse is to be made to transfer of weights or to the use of helm under way, to achieve heel.

2. The highest state of watertight integrity consistent with conduct of the trials is to be maintained throughout.

3. Ensure that sufficient depth of water is available.

4. Underway trials are to be carried out in calm weather.

5. When heeling ship alongside, which should generally occur in shipbuilders trials only, check that moorings are slack and that fenders do not trip. Stationary trials when in commission with small ships having unprotected propellers should take place with the vessel moored or at anchor.

6. Secure all movable gear throughout the trial.

ANNEX A—*continued*

7. Before commencing shipbuilders trial, all side scuttles which may become submerged are to be hose tested.

8. Screw down storm valves to scuppers, etc, for compartments near the waterline to avoid possible flooding back.

9. For trials underway the power used must not exceed two-fifths full power and use of helm is to be avoided except to maintain a straight course. If a turn is necessary speed is to be reduced and the amount of helm used is to be such that the total resultant angle of heel due to transfer of liquids and dynamic effects of the turn does not exceed 20° under any circumstance. In following this instruction due consideration should be given to the effects of wind and sea and the fact that there will already be a considerable amount of rudder angle carried to maintain a straight course (*see also* Annex B (4)). To clarify the difference between rudder and helm angles the following definitions are to be taken:

Rudder Angle—is the angle between the fore and aft axis of the ship and the chord line of the rudder blade horizontal section.

Helm Angle—is the difference in the mean rudder angle required to maintain a straight course and the actual rudder angle.

10. For stationary trials the rudder is to be turned through the maximum angle port and starboard in continuous cycles throughout trial.

11. Aircraft and/or boat cranes are not to be used at angles of heel exceeding 5°.

12. Mobile cranes on aircraft carriers must not proceed fore and aft at angles of heel exceeding 5°, nor transversely at angles of heel exceeding 1½° (loaded) or 10° (unloaded).

13. Aircraft lifts, bomb and rocket lifts and food lifts are not to be used at angles exceeding 5° and should be left unloaded for the duration of the heeling trials.

14. Sonar hull outfits types 7/7A (type 15 only) are not to be raised or lowered when the ships speed is in excess of 8 knots.

15. Deep fat fryers in the galley must not be used at steady angles of heel in excess of 5° as the thermostatic controls become ineffective.

16. Absorption type domestic refrigerators are to be switched off before commencing of and until completion of heeling trials.

17. When carrying out heeling trials at anchor, where it is proposed to change anchors during the trial, care must be taken to effect the change with the ship upright to avoid trapping the anchor being weighed under the keel.

18. Before the shipbuilders trial is commenced all handrails, ladders, floorplates, etc, are to be securely fastened as they would be in service and the proper guards are to be fitted over the flywheels of generators and other auxiliary machines. Steam pipes and other hot surfaces are to be efficiently lagged, particularly where they are liable to be accidentally touched.

19. Where applicable equipment is to be operated throughout full working range both in power and hand.

20. A dummy Seacat missile, in the canister, is to be used when operating the Seacat loading arrangements throughout the full cycle.

21. No service or practice missiles are to be stowed on spigots adjacent to the traveller in use.

ANNEX B

OPERATION OF MACHINERY DURING HEELING TRIALS

1. The vessel is to remain at the position of heel for a sufficient time to enable all temperatures (lubricating oil, circulating water, etc) to reach steady readings.

2. Boilers are to be hand fed throughout heeling trials. To ensure that boiler tubes are submerged during trials, Engineer Officers are to issue specific orders for the minimum water level to be maintained having due regard to tube arrangements and rake of boilers as detailed on ships 'As Fitted' drawings together with the maximum angle of heel to be expected during trials under way.

3. Float type regulators should be specially watched for any signs of sticking and if necessary hand operation is to be used.

4. Particular care must be taken over lubrication arrangements especially with regard to the main engines and auxiliary machinery forced lubrication systems. Commanding Officers and other responsible officers are to ensure that notwithstanding any requirements of this order manufacturers recommendations concerning forced lubrication systems of running machinery are observed.

5. Lubricating oil pressure gauges and associated warning devices, if fitted, are to be in positions readily visible by watchkeeper; if this is not the case appropriate remedial action is to be taken at the earliest opportunity.

6. It is to be verified that all engine room personnel connected with this trial are fully conversant with the action to be taken in the event of a lubricating oil pressure failure to the main engines or auxiliary machinery at excessive angles of heel. Stand by machinery, both automatic and manual start, is to be checked, inspected and where appropriate adjusted to recommended cut-in settings immediately prior to the trial; lubricating oil drain tanks are to be replenished to the maximum operating capacity. Ring type oilers in auxiliaries should be checked particularly in units fitted athwartships (eg, main feed pumps) and load must not be placed on a unit until it is seen that the lubrication is satisfactory.

7. Electric power for operating TAS and gunnery weapons and control equipment and for ships general use is to be supplied from the ships main generators. The aim should be to load fully a number of generators, the generators to be tested being those on the high side or athwartship.

8. Ships having hydraulic power for armament are to operate the hydraulic pumps on full load if possible. In the event of a vessel having more pumps than the demand will take on full load, then the pumps on the high side are to be used.

9. The number of personnel engaged in the trial is to be sufficient so that in the event of untoward occurrences prompt remedial action can be taken. Comprehensive instructions and areas of responsibility are to be given to each individual involved in the trial and these instructions and individual responsibilities are to be issued in separate detailed orders whenever heeling trials are carried out.

ANNEX C

OFFICERS AND REPRESENTATIVES REQUIRED TO ATTEND

1. Representatives of the Naval Board will attend the first series of heeling trials for each class, stationary and underway, and will only attend subsequent trials if the results of the previous trials demand it. The representatives will be available for discussion beforehand as required. Dockyard Officers or shipbuilders may also be invited

ANNEX C—*continued*

by the Naval Board to send representatives, to enable them to become familiar with the problems associated with the operation of HMA ships under heel and in case there should be defects or deficiencies for which they might be considered liable.

(DGND 1211/251/66)

(*Navy Order 210/67*)

RESTRICTED

343/70—Radio Hazards—HF Wireless Hazards to Personnel on Ships

1. It has been established that there are two distinct types of hazard which may be encountered by personnel from HF wireless transmissions. These two hazards are RF Radiation, RF Shock and Burn.

RF Shock and Burn Hazard

2. This hazard may be experienced by personnel if contact is made with a metal structure on which rf voltages exist. Such structures may be directly energised (eg, transmitting aerials) or indirectly energised by the rf field from transmitting aerials. The magnitude of the rf voltage induced in the latter structure depends upon:

a. The frequency transmitted.
b. The field strength at the structure.
c. The height of the structure.
d. The polarisation of the radiation.

3. Particular structures on which rf shock and burn hazards can arise are:

a. Energised transmitting aerials.
b. HF aerial couplers and aerial supports.
c. Other aerials and aerial like rigging or wires, eg, stays, awning wires, etc.
d. Large structures, eg, cranes, temporary scaffolding, etc.

4. The effect of physical contact with hazardous structures will be one of shock and possible burning of the skin to a degree dependent on the magnitude and duration of the current drawn by the body from the structure.

5. It is impossible to predict the actual degree of hazard likely to arise on metal structures due to the rf field from any particular aerial installation. Table 1 shows the estimated minimum horizontal separation between an aerial and various structures which must be observed, if the hazard from rf shock and burn to personnel is to be prevented. Also indicated are measures to be taken if these separations cannot be or have not been obtained.

RF Radiation Hazard

6. Personnel subjected to rf radiation in the HF band experience heating of the deep body tissue. Sensory reaction to such heating is delayed and the awareness of such radiation remains undetected. A hazard arises when the level of radiation produces an undesirable increase in body temperature.

7. For frequencies above 30 Mhz the maximum permissible level to which personnel may be exposed continuously is established as a power density of 0.01 Watts per square centimetre.

8. For frequencies between 1 Mhz and 30 Mhz the safety criterion is defined in terms of electric field strength since it is not practical to measure power density in the complex near field of an HF Transmitting Aerial. The British Medical Research Council recommends a maximum permissible continuous exposure level of 1,000 volts/metre electric field strength as the safety criterion for this frequency band and specified hazardous areas are now related to it.

9. For frequencies below 1 Mhz, no hazard is considered to exist at the power levels of radiation at present used or contemplated in the foreseeable future, on board HMA ships.

Radiation Hazardous Area

10. The area within which the electric field strength exceeds 1,000 Volts per metre is referred to as a 'Radiation Hazardous Area' to personnel (Personnel RADHAZ AREA) and this should not be occupied by personnel for more than two minutes in every 20 when transmissions are in progress. Such areas are defined by the 'SAFE DISTANCES' given in Table 2 and deck markings and warning notices are continued in the Notes associated with the table. The areas thus defined are the maximum expected.

11. It should be noted that the Personnel RADHAZ Area applies only to the rf radiation hazard and not to the rf shock and burn hazard which can arise within a much larger area. The extent of this area depends upon:

a. Frequency being radiated.

b. Power radiated from the aerials.

c. Type of aerial energised.

12. The area which is marked out on decks adjacent on aerial installation of a given type and maximum power radiated is the largest which can be produced within the frequency band of operation of the aerial. The variation of safe distance with frequency is indicated in Table 2.

13. The measures which must be taken to reduce the rf shock and burn hazard from Aerial Tuning Outfits ETC (part Type 640 Transmitter installation) and their supporting structures are the fitting of bonding straps as follows:

a. Across each resilient mount supporting the base tuner cabinet (if not already fitted by Dockyard during initial installation).

b. Between the metal spray protection shield and the base tuner cabinet (if not already fitted by Dockyard during initial installation).

Where action in respect of a. and b. above has not already been carried out normal Defect List procedure is to be adopted. The above mentioned measures render the cabinet of the base tuner safe up to 16 Mhz, but above this frequency it is necessary for the output power to be reduced to one quarter full power. Ships concerned are to include instructions to this effect in Communication Orders and by notices adjacent to transmitter controls. Without bonding straps referred to above rf burn hazards exist at frequencies above 10 Mhz.

14. To make the base tuner cabinet referred to in Paragraph 13 above completely safe at all frequencies (without the need to reduce power) it is necessary to enclose it completely by an additional shield or cabinet. This will also act as a 'physical barrier' to prevent unauthorised access and at the same time provide much improved protection from adverse weather or pre-wetting conditions. The additional shield will be fitted by Dockyard action at earliest convenient availability of vessels concerned. Checks are being made also to establish the presence or otherwise of hazardous voltage gradients on the case of the aerial coupling unit Type AN/URA-38 (Part AN/URT-23V Transmitter installation) when operating on high power.

15. In addition to a notice 'Danger High Voltage, Do Not Touch' attached to the pedestal of Whip Aerial Outfit AWF (M) associated with the Type 640 and Type AN/URT-23V Transmitter installation similar notices painted in red on a white background are to be exhibited on the outer metal framework of base tuner cabinets (Part Type 640 Transmitter installations) when these are not enclosed by an additional container or cabinet referred to above. As an extra warning, the pedestals of the Whip Aerial Outfit Type AWF (M) referred to above are to be painted red. The object of this should be included in a ships Standing Orders concerning radio hazards and brought to the notice of all personnel.

16. The measures to be taken against the hazards from induced voltages which may be present in the neighbouring wires, awning ropes stanchions, stays, etc, when these are closer to a transmitting aerial then the separation distances given in Table 1 are as follows:

a. All wires, etc, referred to above are to be sleeved with PVC or other suitable insulant the wall thickness of which is to be greater than $\frac{1}{16}$ inch; this also applies to associated shackles and blocks of any running stays, etc. The method of applying the insulation is the subject of separate action and will be promulgated later.

b. Rubber or PVC gloves of an approved type are to be worn by personnel when working with, the jibs, wires and hooks of cranes, particularly when the cranes are mobile, temporary rigging, scaffolding, etc, or on passive whip or wire aerials where these may be in close proximity to radiating aerials and therefore may be energised by induced rf voltages.

17. *RF Radiation Precautions.* For the present, the boundary of each Personnel RADHAZ Area is to be marked on the appropriate deck with a red painted 'arrowed' line (indicating the direction of the aerial site (hazard source)) all on a white background, the precautions to be observed by personnel when within the area being indicated by notices displayed in a prominent position and inscribed:

WARNING

DO NOT REMAIN WITHIN AREA SHOWN BY RED ARROWED LINE ON DECK FOR MORE THAN 2 MINUTES IN EVERY 20.

Note: 1. The lettering should be printed in Red on a White background in 1 inch characters.

2. Ships Standing Orders should include a regulation governing access to a Personnel RADHAZ Area during the hours of darkness.

TABLE 1

RF Shock and Burn Hazard

Structure	*Estimated Minimum Horizontal Separation Between Aerial Feed Point and Structure in Feet. (See Note VI)*	*Precautionary Measures to be Taken if Separation Cannot be Obtained*
Guard Rails and Stanchions ..	3 (3)	Guard rail wires to be sleeved or served with PVC $\frac{1}{16}$ inch minimum wall thickness. (*See* Note 2)
Awning wires and stanchions, Boat Davit Stays	7 (6)	Awning wires, davit stays to be sleeved or served with PVC $\frac{1}{16}$ inch minimum wall thickness, details to be issued later. (*See* Notes 2 and 3)
Boat Davits	10 (8)	Use rubber or PVC gloves when handling spars, falls, bottle screws, etc
Torpedo Davits (*See* Note 5) ..	7 (6)	Use rubber or PVC gloves when handling hook
Crane, eg, Aircraft Cranes, Jumbo, etc, of height 'H'	H (H)	Use rubber or PVC gloves when handling hook
Receiving Aerials Whip or Wire of height 'H'	H (H)	Use rubber or PVC gloves when handling
Mast or Funnel stays of height 'H'	H (H)	Stays to be sleeved or served with PVC $\frac{1}{16}$ inch minimum wall thickness.
Miscellaneous upper deck structures, eg, Diesel Tanks, Ventilators, etc, of height 'H' less than 6 feet	H (H)	—
Halyards, signal or navigational of height 'H'	H (H)	Use terylene cordage

Note: 1. No aerial or base tuner should be sited, or aerial wire pass, within the distance from the structure indicated in the appropriate column.

2. Insulation must cover the whole length of wire eyes and ferrules. It must be of material such as PVC and have a thickness of at least $\frac{1}{16}$ inch.

3. For fixed stays (eg, mast, funnel or davit) the ends may be bonded to ships structure as an alternative to sleeving.

4. When figures are in brackets ( ) they are applicable to radiated powers of 500W. All other figures relate to powers of 1kW and over.

5. The distances shown are those between the davit head and the aerial when the davit head is pointing toward the aerial.

6. Adequate electrical bonding to the ships structure must be provided by bolting or welding.

7. Facilties for nylon coating are available in Dockyards. Insulation is required only over those stanchions which are within the distances quoted.

8. The distances quoted in the table apply to structures on the deck on which the aerial installation is situated and to structures on decks above. Attention should be given to structures on the deck below which come within these horizontal distances if they are greater than 6 feet in height, eg, boat davit stays, torpedo davits awning wires.

TABLE 2

RF Radiation Hazard—Variation of Estimated Safe Distance With Frequency from Whip and Wire Aerials

Transmitter Type		640	AN/WRT-2	AN/URT-23(V)
Base Tuner Type		ETC	TN.342	URA-38
Aerial-Vertical		Whip or Wire		
		Circle Radius in Feet		
Safe Distance on base or Tuner Deck	2Mhz and Below	2	3	3
	3Mhz	$1\frac{1}{2}$	2	3
	4Mhz and Above	1	$1\frac{1}{2}$	2
Safe Distance on Decks $7\frac{1}{2}$–15 feet above base or tuner deck	1Mhz and Below	4	5	5
	3Mhz	3	$3\frac{1}{2}$	4
	4Mhz	2	3	$2\frac{1}{2}$
	6Mhz and Above	1	$1\frac{1}{2}$	2
Safe Distance on Decks greater than 15 feet above base or tuner deck	2Mhz	4	5	7

Note: In calculating the above distances the height of a man of 6 feet was assumed.

18. The foregoing information is only related to wireless hazards which may be a direct danger to personnel from own ship transmissions. In addition to these, radio hazards could arise when two or more ships are in close proximity, eg, when berthed alongside in harbour, or replenishing at sea and transmissions at sufficient power on HF from either take place.

19. Attention is drawn to the following summary:

a. Precautionary measures laid down in Tables 1 and 2.

b. Where outfits ETC and ETA (1) have been fitted, check that bonding straps to earth as in Paragraph 13 have been fitted, and reduce power to full quarter power on frequencies above 16 Mhz. This reduction is not necessary if outfit ETC is enclosed in an additional cabinet. Without bonding straps rf burn hazard exists at frequencies above 10 Mhz.

c. Ensure that warning notices are displayed on base tuner cabinets when these are not enclosed in an additional cabinet, and that painting of pedestals has been carried out.

d. The sleeving of wires, awning ropes, stanchions, stays, guardrails, etc, with suitable insulant and the use of terylene for halyards.

e. Wearing of rubber or PVC gloves by personnel when working on item d. above, if sleeving has not been carried out or is not possible (eg, hooks of cranes).

f. Strict observance of the 'Man Aloft—Safe to Transmit' regulations when personnel are required aloft, or to hoist power operated temporary lights or to handle transmitting whip aerials.

g. Inclusion of a regulation in ships Standing Orders governing access to a 'Personnel RADHAZ Area' during hours of darkness.

h. Avoidance of dangling wires or wet ropes.

i. Avoidance of making even temporary changes to structures, rigging, wires, in the vicinity of transmitting aerials.

j. Wearing of rubber or PVC gloves when hoisting temporary light fittings, etc.

k. Strict observance of the exposure limit to personnel within a 'Personnel RADHAZ Area', ie, two minutes in every 20 is not to be exceeded.

(DWED 177/201/11)

UNCLASSIFIED

344/70—Stores (General)—Issues to HMA Ships and Establishments from RAN Store Depots

Introduction

1. The following is a repromulgation of Navy Order 449/68 covering procedures for the issue of stores of all categories to HMA ships and establishments from RAN Store Depots. The text of Navy Order 449/68 has been changed to take account of the following new developments:

a. Alteration to procedures for the issue of stores in lieu of permanent items returned, as detailed in Paragraph 5.

b. Revision of Forms SX20 'Issue Voucher' and SX21 'Advance Copy of Issue Voucher' as introduced by Navy Order 203/70.

Stores Drawn Direct by a Ships or Establishments Representative

2. a. This method is to be used only for urgent casual demands. In the case of stores 'on EDP', the urgency of the requirement must be of such a high priority that loss of computer stock control is justified.

b. An officer or sailor drawing stores from a store depot on behalf of the Store Accounting Officer is to identify himself by production of his identity card. The issuer is to check the signature and rank or personal number as given on the receipt against the identity card.

c. The stores demand is to be taken direct to the depot for approval and preparation of Local Issue Vouchers (LIV). The LIVs are to be taken by the ships or establishments representative to the appropriate storehouses where the stores are to be supplied against the representatives signature on Copy No 1 of the LIV. Receipts are to be endorsed with the date and rank of the officer or personal number of the sailor receiving the stores. In cases where the signature on the receipt is not readily legible, the name is also to be inserted in block letters by the recipient. The ships or establishments representative is to be given Copies Nos 3 and 4 of the LIV. Copy No 4 of the LIV is to be taken to the Foreman of Storehouses who is to issue a pass note authorising removal of the stores enumerated thereon. The pass note and Copy No 4 of the LIV are then to be shown to the Dockyard Police Officer at the passing-out point for use in checking the stores. The pass note is to be surrendered to the police, but the LIV is to be retained by the ships or establishments representative. Copies Nos 3 and 4 of the LIV are to be handed in to the ships or establishments store office where they are to be dealt with as indicated in Paragraph 6.

Delivery of Stores by Supply Division Transport

3. a. Periodical replenishments and non-urgent casual requirements are delivered by Supply Division transport. The procedures are detailed in the following sub-paragraphs.

b. Ships:

(1) the Superintendent of Supply Administration, Sydney (short title—SSA), is responsible for the co-ordination of main storings of HMA ships in respect of Naval Stores, Air Stores, Machinery and Spares, Armament and Weapon Equipment Stores, and Victualling Stores, and he is to be informed by letter of the date proposed for storing ship. If action by signal is necessary, messages should be addressed FOCEA info C of P, in accordance with the provisions of Navy Order 169/70. In the case of ammunition, guided missiles and torpedoes and associated stores, where special conditions for storing and destoring exist, direct liaison should be established by the ship with the Naval Armament Depot concerned;

(2) demands are to be lodged in ample time prior to date required for supply;

(3) all items are to be suitably labelled or otherwise identified by the store depot to facilitate checking by the ships representative, and are to be segregated, for issue, into cartons, baskets, bundles or lots each of which is to be given a package number and labelled as to ship and storeroom (when this information is shown on the demand) to which delivery is to be made. The package number is to be shown on all copies of the Issue Voucher (IV) or LIV, Copy No 3 of which is to be included in the package. Copy No 4 of the LIV or IV is to be sorted according to package and retained pending collection of the stores;

(4) the ship is to be informed by the store depot of the stores to be supplied in terms of truck, lighter, etc, loads (in lots relative to ships storerooms where practicable) and a delivery schedule to meet both ship and store depot requirements arranged;

(5) the stores are to be delivered alongside the ship, and receipt from the ship for packages, etc, obtained on Forms ST110/ST111 (AD78). When issues are made on either LIVs or IVs, Copy No 4 of the voucher is to be handed to the ship when delivery is effected. For stores demanded through the EDP Centre, Form SX21, Advance Copy of Issue Voucher, will be forwarded to the consignee direct from the EDP Centre at the same time as the IVs are sent to the store depot for action. The ship is responsible for providing working parties for unloading trucks, lighters, etc, and embarkation of items;

(6) re-usable cartons, baskets, etc, are to be returned by the ship to the store depot for further use.

c. Establishments:

(1) demands are to be lodged in ample time prior to date required for supply;

(2) items suitably labelled or otherwise identified to facilitate checking by the recipient) are to be packaged by the store depot to the extent necessary to ensure safe delivery. Copies No 3 of the relevant IV or LIV are to be included in the packages. Packages are to be allocated package numbers and items delivered loose are to be allocated package or lot numbers; and

(3) on delivery the driver of the store depot transport is to obtain a receipt on Form ST110/ST111 (AD78) for packages, etc, delivered and is to hand a copy of the Form ST110/ST111 (AD78) to the recipient, together with Copy No 4 of the IV or LIV. In the case of those stores demanded through the EDP Centre, Form SX21, Advance Copy of Issue Voucher (which is the IV equivalent to Copy No 4 of the LIV) will be forwarded to the establishment direct from the EDP Centre at the same time as the IVs are sent to the store depot for action. It is then the responsibility of the recipient to provide the necessary working party and to unload vehicles without delay.

Stores Dispatched by Road, Rail, Sea, Air or Post

4. a. When stores are packed in the store depot, Copy No 3 of the IV or LIV is to be placed in a waterproof envelope and tacked underneath the lid of the package (when practicable) or otherwise enclosed with the goods.

b. If it is necessary for stores on one demand to be dispatched in two or more packages, Copy No 3 of the IV or LIV will be placed in the package bearing the lowest package number. A packing slip, Form SG101 (AD71Z), listing the items contained therein and the package number in which Copy No 3 of the IV or LIV is contained, is to be placed in each additional package. This procedure does not apply in the case of consignments consisting of several packages of a uniform size and description and containing identical stores, when the procedure referred to in Sub-paragraph c is to be followed.

c. When stores are dispatched unpacked, in bundles, drums or in other standard packages which do not require to be enclosed in outer (transit) cases, Copy No 3 of the IV or LIV is to be forwarded by the store depot to the ship or establishment by post (air mail where the consignee is overseas) as soon as the stores are dispatched.

d. In the case of stores issued on LIVs or IVs, Copy No 4 is to be forwarded to the consignee as an advance note immediately stores are packed and ready for dispatch. For stores demanded through the EDP Centre, Form SX21, Advance Copy of Issue Voucher, will be forwarded to the consignee direct from the EDP Centre at the same time as the IVs are sent to the store depot for action.

e. The consignees copy of the appropriate forwarding document, ie, Consignment Note or Bill of Lading is to be forwarded by the consignor by post, except in the case of parcels dispatched by mail when no Consignment Notes are to be raised. No other method of forwarding advice of dispatch of stores, such as by letters, etc, is to be used.

Permanent Items Issued in Lieu of Items Returned

5. a. When permanent items are demanded in lieu of items returned, the IV or LIV is not normally to be released by Store Depot Voucher Control Section until the receipted copy of the Stores Return, Form SX27 or SX28, is produced. To achieve this the procedures are:

(1) *Items demanded through EDP Centre.* The master copy of the Stores Return Voucher (RSV) is to be forwarded to the appropriate store depot at the same time as the Stores Demand (SD) is transmitted to EDP. The unserviceable item is to be returned at the same time or as early as practicable thereafter. It must be borne in mind that any delay in returning the item could hold up the release of the appropriate issue voucher. The full registered number of the RSV—namely, 'RSV/SX../.....' is to be inserted in the remarks block of the demand before it is transmitted to EDP. Similarly, the registered number of the demand is to be inserted in the return voucher. Care is to be taken that in demands for stores on EDP the remarks do not exceed 40 characters.

(2) *Items demanded direct on store depots.* The master copy of the SRV is to accompany the SD to the depot and the unserviceable item returned at the same time or as early as possible. Cross referencing between the demand and the return voucher as indicated above is also required.

b. When it is essential for a defective permanent item of stores to be retained and used on board pending supply of a replacement item, the SD is to be prepared in the normal manner and an RSV raised for the item retained. It is mandatory for the following to be annotated in the remarks box of the SD 'Defective item retained (RSV SX..../.....)'. The RSV, bearing a reference to the registered number of the SD, is to be sent to the store depot with the demand for the Replacement Item, from where it will be returned to the ship or establishment and retained for eventual dispatch with the defective item as soon as the replacement is received. The store depot is to take follow up action to ensure that the defective item is returned.

Delivery of Stores on Board

6. As soon as possible after stores have been received on board the following action is to be taken:

a. Check the contents of the package against Copy No 3 of the IV or LIV.

b. Verify Copy No 3 with Copy No 4 of the LIV or IV.

c. Confirm, by re-check, any discrepancy between the stores listed on Copy No 3 and those received.

d. For non-recurring consumable Naval Stores taken into direct use, obtain signature of responsible departmental officer in the box provided on Copy No 3 of the IV or LIV. For items being placed in stock, endorse particulars of the stowage location on Copy No 3 of the IV or LIV.

e. Pass Copies No 3 and 4 of the IV or LIV (pinned together), together with details of any discrepancies to the store office for ledger or replenishment record action, as appropriate.

f. Complete the 'Certificate of Receipt' box of Copy No 4 of the LIV or IV. Where there are no differences between the stores received and the quantities and description charged the certificate may be signed by storekeeping sailors of leading rank and above. Where discrepancies are involved or stores are received in a damaged condition the certificate is to be signed in ink by the Store Accounting Officer; in such cases the 'quantity received' and 'condition' columns on the forms are to be completed.

g. Forward without delay the certified Copy No 4 of the LIV or IV to the consignor.

7. In the case of Naval Stores (including those Naval Stores managed by the Victualling Branch) issued direct to units or ships on Naval Store Inventory Accounts and when Spare Gear is issued direct to Patrol Boats, the foregoing procedure is to be varied as follows:

a. *Naval Stores Drawn by a Ships or Units Representative.* The procedure in Paragraph 2 applies except that Sub-paragraph 2c is to be varied as follows:

Copy No 3 of the LIV is to be forwarded by the Store Depot direct to the Supply Officer of the parent ship or base instead of being handed to the ships or units representative at the time the stores are collected.

b. *Naval Stores Delivered by Supply Division Transport.* The procedure in Paragraph 3 applies except that Sub-paragraphs 3b(3) and 3c(2) are to be varied as follows:

Copy No 3 of the LIV or IV is to be forwarded by the store depot direct to the Supply Officer of the parent ship or base instead of being included in the packages. A Packing Note, Form SG101 (AD71Z) listing the contents and endorsed with the registration details of the IV or LIV, is to be inserted in the packages in lieu of the No 3 Copy of the IV or LIV.

c. *Naval Stores Consigned to Units or Ships.* The procedure in Paragraph 4 applies except that Sub-paragraph 4a is to be varied as follows:

(1) one copy of a Packing Note, Form SG101 (AD71Z), listing the contents and endorsed with the registration details of the IV or LIV, is to be inserted in the case in lieu of Copy No 3 of the IV or LIV. Copy No 3 is to be sent by the store depot direct to the Supply Officer of the parent ship or base; and

(2) when it is impracticable to include the Packing Note with the stores, ie, in the circumstances described in Sub-paragraph 4c, the Packing Note is to be forwarded by post direct to the unit or ship to which the stores are consigned.

d. *Delivery of Stores on Board.* The procedure in Paragraph 6 does not apply. The following procedure is to be used:

(1) On receipt of the stores in the unit or ship, the responsible officer is to check them against Copy No 4 of the IV or LIV for stores collected by a representative or the Packing Note, Form SG101 (AD71Z) for stores delivered by Supply Division transport or dispatched by road, raid, sea, air or post. The Packing Note is to be compared with the No 4 Copy of the LIV or IV;

(2) after checking the stores, the officer is to receipt the No 4 Copy of the LIV or IV, as suitable (other than in the certificate of receipt block), insert particulars of any discrepancies, post his copy of the inventory account and forward Copy No 4 of the LIV or IV to the Supply Officer of the parent ship or base. The latter officer is to complete the 'certificate of receipt' and return this copy to the supplying authority.

e. *Spare Gear Issued to Patrol Boats.* Spear Gear for Patrol Boats normally is to be issued to the appropriate Operating Base to which all documents are to be forwarded. In exceptional circumstances, it may be necessary for the SSO concerned to issue Spare Gear direct to Patrol Boats, eg, when a Patrol Boat requires items urgently and it is not practicable to obtain them from its Operating Base, and in such cases the procedure is to be the same as that followed for Naval Stores for ships on Inventory Account (*see* Sub-paragraphs a to d above).

8. The foregoing will be included in Manuals of Store Depot Operating Procedures. ABR 4 and ABR 93 will be amended as necessary.

9. Navy Orders 449/68, 757/68 and 191/69 are hereby cancelled.

(DSAP 400/1/413)

(*Navy Orders 449/68, 757/68, 191/69 and 203/70*)

UNCLASSIFIED

345/70—Torpedoes—Transfers Between RANTE, RANADs and HMA Submarines

Navy Order 259/70 is to be amended as follows:

Paragraph 1 last line —*amend* 'RLEs' *to read* 'LEs'.
Paragraph 2 line 2 —*amend* 'RLE Nos 91-94' *to read* 'LE Nos 92-95'.
Paragraph 2 line 3 —*amend* 'RLE' *to read* 'LE'.
Paragraph 3b line 5 —*amend* 'RLE' *to read* 'LE'.
Paragraph 3d line 2 —*amend* 'RLE' *to read* 'LE'.
Paragraph 4a (1) line 2—*amend* 'RLE' *to read* 'LE'.
Paragraph 4a (2) line 1—*amend* 'RLE' *to read* 'LE'.
Paragraph 4a (7) line 3—*amend* 'RLE' *to read* 'LE'.
Paragraph 4b (1) line 3—*amend* 'RLE' *to read* 'LE'.
Paragraph 4b (2) line 3—*amend* 'RLE' *to read* 'LE'.

(DSAP 716/51/48)

(*Navy Order 259/70*)

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HISTORIAN

ANOs 346/70-363/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
4 August 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

20342/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

346/70—Defence Legal Services Committee of Review

1. The Minister of Defence has appointed a Committee to examine the legal services required by the Defence Group of Departments and the Armed Services.

2. The terms of reference of this Committee are:

'To examine the legal services required by the Defence Group of Departments and the Armed Services and to report as to whether, and if so how, the organisations, arrangements and procedures should be altered to meet present and future requirements. In the course of the foregoing the Committee should:

a. having regard to the existing Administrative Arrangements Order;

b. take into account that any proposals made should be capable of being given effect to in peace or war, and should meet the needs of the administration of the the Defence Group of Departments and of the Armed Services at all levels;

c. consider the recruitment and training of legally qualified personnel for the Services;

d. consider the roles and functions of the Judge Advocates-General and the question whether there should be one such for all three Services;

e. consider the arrangements that should be made to provide legal services in relation to contracts, etc, in connection with the purchase of defence equipment.'

3. The Chairman of the Committee is Professor H. Whitmore (Australian National University) and the members are Mr F. J. Mahony (Deputy Crown Solicitor, Sydney) and Mr G. P. Temme (Department of Defence).

4. The Committee will be receiving evidence from Officers of the Department of the Navy, the Judge Advocate-General and members of the Naval Legal Services. The Committee has also made it known that they are prepared to receive the views of anyone who wishes to make a submission to it.

5. The Committee has already started work. Any person who wishes to make a submission to the Committee should therefore forward his submission to Secretary, Department of the Navy, Canberra, as soon as possible, and refer to this order.

(DNLS 153/1/102)

UNCLASSIFIED

347/70—HMA Ships Steaming at High Power—Precautions

1. Subsequent to an explosion and fire during a full power trial in a ship of another navy, preliminary investigations indicate that the explosion was caused by the spontaneous ignition of oil and oil vapour through the gross overheating of a main reduction gearing primary pinion bearing. The cause of overheating was the incorrect fitting of the insert bearing shells which resulted in the direct oil supply being completely cut off.

2. Had the pinion bearing temperatures been taken and checked for accuracy the incident may not have occurred.

3. The attention of all Marine Engineer Officers of HMA ships is drawn to:

a. BR 3000 Article 0336 Paragraph 1;

b. BR 3001 Article 0301 Paragraph 8.

4. The text of the references is to be incorporated in the engineering section of ships standing orders.

(CONS 1211/51/676)

Section 2

PERSONNEL

UNCLASSIFIED

348/70—Discipline—Manual of Naval Law (ABR 5151)

1. A New Manual of Naval Law (ABR 5151—short title MNL) is in course of distribution. The date on which the Manual comes into force is as promulgated by general signal.

2. The primary purpose of the Manual is to bring together under one cover all instructions relating to discipline and the administration of justice in the Royal Australian Navy. The opportunity has, however, been taken to introduce various changes in procedures; a list of the more important of these changes is given in Annex A.

3. The following parts of RI have been included in the Manual of Naval Law and are to be regarded as cancelled with effect from the date on which the Manual of Naval Law comes into force:

Chapter 18
Section 1 (except for RI 1809A, QR and AI 1816)
Section III

Chapter 19 (except for QR and AI 1970
RI 1970A
QR and AI 1972
QR and AI 1973)

Chapter 20
Sections I and II
Section III (except for QR and AI 2038
RI 2038A
RI 2039A
RI 2039B
RI 2039C
RI 2039D)
Section IV (except for QR and AI 2070
RI 2070A
QR and AI 2071)
Sections V to VII

Chapters 21, 22 and 23

4. Those parts of RI Chapters 18 and 19 that continue in force are, in relation to good conduct medals and badges, to be read in conjunction with Navy Order 542/67 as amended by Navy Orders 816/68 and 751/69. New RI Chapters 18 and 19 to be issued in amendment 24, will incorporate the relevant parts of these Navy Orders.

5. The following articles in Annex B of Navy Order 542/67, as amended by Navy Order 751/69 are cancelled with effect from the date on which the Manual of Naval Law comes into force:

RI 1951A
RI 1962A
RI 1969A
RI 1971A
RI 1991A Tables I, II and III
RI 2016A
RI 2017A
RI 2026A
RI 2044A
RI 2055A
RI 2078A
RI 2091A

6. Navy Orders 272/68, 582/69, 712/69, 751/69 and 779/69 and Navy Office Letter 341/1/52 dated 7 November are cancelled with effect from the date on which the Manual of Naval Law comes into force.

7. BR 11 (Admiralty Memorandum of Naval Court-Martial Procedure) is not to be used in the Royal Australian Navy after the Manual of Naval Law comes into force.

8. The following revised forms are also being distributed and are to be introduced concurrently with the Manual of Naval Law:

PD 12—Conviction by Civil Power—EDP Reporting Form
PD 100—Summary Charge Sheet
PD 103—Record of Evidence
PD 104—Punishment Warrant.
PD 105—Report of Civil Conviction
PD 107—Punishment Return.

ANNEX A

Major Changes Introduced by the Manual of Naval Law

Reference to MNL	*Nature of Change*
Chapters 8 and 9 ..	New instructions for charging homosexual offences.
Chapter 11	Separation of procedures for formal investigation and trial of alleged offences.
	Introduction of Pleas of Guilty at summary trials. Procedure for referring convicted offenders to a higher authority for punishment.
	Revised instructions for investigation and summary trial of offences.
Chapters 12-18 ..	Instructions re-written to cover increased responsibilities of Judge-Advocate.

Reference to MNL	*Nature of Change*
Chapter 20	Suspension of summary sentence during investigation of complaint.
	Delegation to Flag Officers and Commodores of power to quash or amend summary sentences.
Chapter 21	New instructions for dealing with serious offenders. Provision for obtaining signalled approval of punishment warrants.
Chapter 22	Instructions for using the revised Forms PD100, 104, 105 and 107.
Chapter 25	New notes on the conduct of Boards of Investigation and Boards of Inquiry.

(DNLS 321/1/12)

(Navy Orders 542/67, 272/68, 816/68, 582/69, 712/69 and 779/69)

UNCLASSIFIED

349/70—Naval Pay System—Recovery of Debt by Instalments

1. Overpayments of pay and allowances which occur through miscalculation or error, or clearly a mistake in the application of Naval Pay Instructions are recoverable and, on discovery or advice from Navy Office, are to be immediately charged in the pay account of the member.

2. In such cases members are to be informed of the full details of the overpayment where any significant reduction in his normal fortnightly pay entitlements occurs, with a view to suitable arrangements being made to effect full recovery of the debt in his pay account as soon as possible. Such recoveries are to be made at a reasonable rate bearing in mind the avoidance of hardships as well as the desirability of speedy recovery.

3. The conditions relating to allotments by members in debt to the Commonwealth are promulgated in Naval Pay Instruction 84/3 and, as a general rule, will permit local arrangements to be made in HMA ships and commissioned establishments, for debts to be liquidated by instalments within three months where the member is to be retained in the Service.

4. Where the local arrangements to effect recovery of debts within three months cause undue hardship to the member, full circumstances are to be reported to Navy Office immediately and the proposed arrangements for liquidation of the debt by instalments submitted for approval.

(DNA 465/7/25)

UNCLASSIFIED

350/70—Travelling Allowance—Members on Long and Intermediate Term Duty Oversea

1. Certain rates of Travelling Allowances have been varied and accordingly the tables in Navy Order 231/70 are amended as follows:

Table A

Delete the rates for Britain, UAR Egypt, Ghana, Greece, Kenya, Israel, Lebanon and Spain and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rate of payment per day*		
		LEUT or Relative Rank, Officer of Lower Rank and Sailors	*CAPT, CMDR or Relative Rank, LCDR or Relative Rank*	*CDRE and above*
Britain	£ Sterling ..	5.0.0	6.10.0	8.5.0
UAR Egypt ..	£ Eg ..	6,000	7,000	8,000
Ghana	New Cedis ..	15.00	17.00	18.00
Greece	Drachmae ..	410	510	610
Kenya	E.A. Shgs ..	134	143	151
Israel	£Is ..	55	66	80
Lebanon ..	£Leb ..	40	45	50
Spain	Pesetas ..	740	840	940

Table B

Delete the rates for Austria, Burma, Fiji, France, Mexico, New Caledonia, New Zealand, Nigeria, Philippines and Switzerland and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rate of payment per day*		
		LEUT or Relative Rank, Officer of Lower Rank and Sailors	*CAPT, CMDR or Relative Rank, LCDR or Relative Rank*	*CDRE and above*
Austria	Schillings ..	175	205	225
Burma	Kyats ..	44	49	54
Fiji	$F	5.50	6.00	6.50
France	Francs ..	42	47	52
Mexico	Pesos ..	160	180	200
New Caledonia ..	CFP Francs ..	800	860	980
New Zealand ..	$NZ ..	6.50	7.50	8.50
Nigeria	£N ..	3.0.0	3.10.0	4.0.0
Philippines ..	Pesos ..	39	44	48
Switzerland ..	Francs ..	32	36	40

2. The effective date for the change in rates in the above table are as follows:

Britain—20 February 1970
Austria, France, Greece, Spain, Switzerland—27 February 1970
Philippines—19 March 1970
Fiji, New Caledonia, New Zealand—17 April 1970
Mexico—23 April 1970
Burma—29 April 1970
Kenya—7 May 1970
Ghana, Israel, Lebanon, Nigeria and UAR Egypt—15 May 1970.

(HPB 252/4/46)

(*Navy Order 231/70*)

UNCLASSIFIED

351/70—Uniform—Junior Cook Sailors—Introduction of New Style Working Dress

1. Approval has been given for junior cook sailors to wear a gymnasium undershirt (Catalogue No 23715-22) with a woven blue on white branch badge (Catalogue No 65318) on the left breast as working dress. These undershirts will replace the present style I undershirts in the kits of junior cooks.

2. New entry cooks are to be issued gratuitously with four gymnasium undershirts and four woven blue on white branch badges.

3. Gratuitous issue of four woven blue on white branch badges is to be made to each serving junior cook whose engagement will not expire before 31 December 1970, or whose engagement will expire and who re-engages. Serving junior cooks will be required to take up gymnasium undershirts on repayment in the course of normal uniform replacement. Style I undershirts in the possession of junior cooks may continue to be worn until replacement is required or until 30 June 1971 at the latest.

4. Laundering of the gymnasium undershirts will be accepted as a charge to public funds, under the same conditions as apply to style I undershirts.

5. Junior cooks of the CNF and RANER will wear the gymnasium undershirt with badge as working dress. Gratuitous issue of gymnasium undershirts and badges is to be made when style I undershirts in the possession of members are due for normal replacement, or on the first occasion of annual continuous training, whichever comes first.

6. Junior cooks of the PNG Division are to wear the new type working dress. New entry cooks are to be issued on personal loan with two gymnasium undershirts and badges in lieu of the style I undershirts and serving junior cooks are to be issued with the new type working dress when style I undershirts in their possession are due for normal replacement.

7. ABR 93, Manual of Victualling Stores, Part II, Section 2, Scales 2, 3 (C) and (G) and 9 (A) will be amended.

(D of V 917/51/42)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

352/70—Allowance List of Musical Instruments in HMA Ships and Establishments—RANAL 60

1. RAN Allowance List of Musical Instruments to HMA ships and establishments—LE60, has been revised and is now issued as RANAL 60.

2. Distribution of RANAL 60 and subsequent amendments will be effected to HMA ships and establishments concerned, without demand, by the Superintending Victualling Store Officer, Sydney.

(DSAP 512/69/682)

UNCLASSIFIED

353/70—Alteration and Addition Item—HMAS ANZAC

The following Alteration and Addition Item is approved to be carried out in HMAS ANZAC:

Class List Item No 195 (Ex TDL 'AS').

a. *Item:* '(1) Canteen store, No 4 Dk (FRS 54-56) to be fitted out as a CB vault, generally in accordance with Navy Office Drawing 201/VVM/17.
(2) Existing CB stowage in wardrooms to be removed and weight variations report to Navy Office.
(3) Stores displaced from Canteen Store to be re-positioned as arranged by ships officers.'

b. The weight change for the item is considered not applicable.

c. *Reference:* HMAS ANZACs Form TM168 (AS1182) TDL 'AS' dated 28 May 1969 forwarded under cover of FOCAF Memorandum dated 15 August 1969.

(CNTS 1215/53/249)

UNCLASSIFIED

354/70—Alteration and Addition Item—HMAS KIMBLA

The following Alteration and Addition Item is approved to be carried out in HMAS KIMBLA:

Class List Item No 166 (Ex TDL 'BH').

a. *Item:* 'To have a 1¾ HP Air Conditioning Unit installed in Officers Boat Deck accommodation.'

b. The weight increase for the item is 700 lb. The need for weight compensation to be checked following an investigation of the ships outstanding Alteration and Addition Items.

c. *Reference:* HMAS KIMBLAs Form TM168 (AS1182) dated 12 December 1969 forwarded under cover of FOCAF Memorandum dated 6 January 1970.

(CNTS 1232/51/123)

UNCLASSIFIED

355/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 245 (Ex TDL 'NMCP').

a. *Item:* 'To provide additional Avgas reception point on Flight Deck and resite stump mast to suit.'

b. Additional weight is estimated at 300 lb and the cost of the item is estimated to be between $1,500 and $2,000.

c. *Reference:* DSDs Form TM168 dated 31 March 1970.

(CNTS 1213/52/888)

UNCLASSIFIED

356/70—Alteration and Addition Item—HMAS MORESBY

The following Alteration and Addition Item is approved to be carried out in HMAS MORESBY:

Class List Item No 55 (Ex TDL 'ABR').

a. *Item:* 'Survey intercommunications speaker and microphone to be fitted forward outboard screen of motor boat workshop.'

b. The weight increase for the item is 60 lb.

c. *Reference:* HMAS MORESBYs Form AS1182 (TM168) dated 7 December 1969 forwarded under cover of FOCAF Memorandum dated 12 January 1970.

(CNTS 1228/52/261)

UNCLASSIFIED

357/70—Alteration and Addition Item TDL 'R'—HMAS STALWART

The following Alteration and Addition Item is approved to be carried out in HMAS STALWART:

Class List Item No 17 (Ex TDL 'R').

a. *Item:* 'To supply high pressure air to cabinet A and high pressure panel in Torpedo Servicing Area of Torpedo Workshop 4C2 from the helo Air Start Diving HR Air System. Air line to be picked up in between deck Space 3C (Starboard Side), run athwartships on deck head to port side and down through deck to Torpedo Workshop. Two bottles are required as reservoirs in Torpedo Workshop with reducing valve and filter attached. No need for air drying.'

b. The cost of the item is estimated to be $800 and total weight of 80 lb.

c. *Reference:* HMAS STALWARTs Form TM168 (AS1182) dated 20 August 1969 forwarded under cover of FOCAF Memorandum dated 5 September 1969.

(CNTS 1218/53/100)

UNCLASSIFIED

358/70—Alteration and Addition Item—HMAS SUPPLY

The following Alteration and Addition Item is approved to be carried out in HMAS SUPPLY:

Class List Item No 75 (Ex TDL 'CE').

a. *Item:* 'After Metadyne Room Ventilation. Fit 5 inch Supply Fan Trunking and install gas flaps to After Metadyne Room.'

b. Weight change for the item is considered to be negligible.

c. *Reference:* HMAS SUPPLYs Form TM168 (AS1182) TDL 'CE' dated 31 July 1969 forwarded under cover of FOCAF Memorandum dated 18 November 1969.

(CNTS 1246/51/264)

UNCLASSIFIED

359/70—Alteration and Addition Item—HMAS SYDNEY

The following Alteration and Addition Item is approved to be carried out in HMAS SYDNEY:

Class List Item No 383 (Ex TDL 'AAQ').

a. *Item:* 'Bulkhead cupboard 72 inch × 21 inch (with sliding doors. Cupboard to be constructed of stainless steel. There are two full length shelves. The cupboard is to be affixed port bulkhead in operating theatre.'

b. The weight change for the item is an additional .084 tons.

c. *Reference:* HMAS SYDNEYs Form AS1182 (TM168) TDL 'AAQ' dated 18 September 1969.

(CNTS 1213/53/270)

UNCLASSIFIED

360/70—Naval Stores—Class Group 0269 Ball and Roller Bearings

1. Arrangements should be made for all stocks of ball and roller bearings, including those held as spare gear which are branded 'ECHUCA' or 'UBCO' to be returned to the appropriate Superintending Store Officer.

2. These bearings have proved defective and disposal of all stocks will be arranged.

3. If at some later date the manufacturer of these bearings produces documentary evidence confirming full compliance with the specification, the question of acceptance will be reviewed.

(DNS 401/61/566)

UNCLASSIFIED

361/70—Seaboats—Lifesaving Equipment

The following equipment is to be carried in boats rigged as seaboats in HMA ships:

Anchor and cable.
Compass.
One Upson Rugby torch—0583/L14876.
One 5-inch Signalling Lantern—0558/16409—fitted with 11-volt lamp 995-2513.
One First Aid Kit Scale H-6545-66-019-9798.
Two 5-gallon polythene water containers—66-013-4772.
One graduated drinking cup.
Distress signal box to contain four distress signals Mark 13 Mod 0.
Bucket or bailer.
One battery box—0562/423182 complete with battery 0562/402317.
One stowage box for 5-inch Signalling Lantern—0558/16459.

2. These instructions replace those in the Seamanship Manual (BR 67 (1951), Vol II, Chapter VIII.

3. Navy Order 444/67 is hereby cancelled.

(CONS 1236/51/36)

(*Navy Order 444/67*)

UNCLASSIFIED

362/70—Stores (General)—Demands for Stores on EDP—Revised Procedure

1. For various reasons, under the EDP Supply System procedures, there have been difficulties involved for store depot management when demands input through EDP specify delivery on a date more than 30 days from the date of input. In addition there has been no means by which demands on Supply Requirement Notes, Forms SX17 or SX19, can create Long Term Dues Out.

2. To rectify the position, the revised procedure, as detailed in the following paragraphs, is now available.

3. If the date on which delivery is required is shown in the 'DATE REQUIRED' box on Stores Demand, Form SX13 or SX15, or Supply Requirement Note, Form SX17 or SX19, as 30 days or less from the date of input of the demand, the issue will be actioned in the normal way and delivery effected as requested, providing stocks are available.

4. If the date on which delivery is required is more than 30 days from the date of input of the demand the requirement will be dealt with as 'Long Term Dues Out' and a Deferred Supply Advice (DSA—Form SX29) will be dispatched by EDP to the demanding authority indicating that the requirement has been recorded but that supply has been deferred. Ten days before the 'DATE REQUIRED' EDP will change the status of the Due Out from a long term Due Out to a short term Due Out and will generate a deferred Supply Advice, in accordance with ABR 5063 (Vol 3) Article 5044, to indicate the changed status of the Due Out. If stock is available to meet the requirement an Issue Voucher will also be generated and processed by the Store Depot in the normal manner.

5. When Stores Demands (Forms SX13 and SX15) are being prepared and the actual 'Date Required' is not known Code 1 may be inserted in the box titled 'DUES OUT LONG TERM CODE'.

6. If subsequently the actual 'Date Required' becomes known, a Dues Amendment or Cancellation (DAC—Form SX34) may be input to EDP to trigger the generation of an Issue Voucher by the Computer.

7. The facility to change Long Term Dues Out to Short Term Dues Out by input of a DAC is still available (ABR 5063 Ch 5 App 17). This has the effect of producing an Issue Voucher at the next computer run, provided the stock situation permits.

8. Also, a Request for Consolidated List of Outstanding Requirements (CLOR—Form SX13) may be input to change all Short Term Dues Out to Long Term Dues Out (ABR 5063 Ch 5 App 19). This action causes the 'Date Required' (if shown) to be deleted from the EDP record, and subsequent action as at Paragraph 6 or 7 above is necessary to arrange issue of the stores when required.

9. Where delivery is required to a remote locality, demanding authorities, when assessing 'Date Required', should make due allowance for the lead time required to achieve delivery target at the remote locality, ie, the 'DATE REQUIRED', as shown on the demand should represent the date the item needs to be dispatched from the Store Depot to achieve actual delivery at the remote locality by the date actually required.

10. ABR 4, ABR 93 and ABR 5063 will be amended.

(DSAP 400/51/283)

UNCLASSIFIED

363/70—Stores (General)—Stocktaking Discrepancy Reports and Reports of Stores Lost Submission to Competent Authority

1. Treasury Direction, Section 33/8, stipulates that all losses or deficiencies of stores are to be adjusted without delay and that, if investigations are likely to delay a recommendation beyond three months from the date of the loss or deficiency becoming known, the relevant Competent Authority should be advised by an interim report.

2. All Store Accounting Officers on board HMA ships and at commissioned establishments are to ensure that Stocktaking Discrepancy Reports are forwarded promptly to Navy Office, and that brief interim reports, which are to include the estimated values of the discrepancies, are forwarded if investigations are likely to delay their final submission.

3. Similar action is required of Administrative Authorities and Commanding Officers in respect of Reports of Stores Lost or Damaged, Forms SA116.

4. Authorities responsible for non-commissioned establishments, eg, stores depots, etc, are also to ensure that the appropriate Competent Authorities are appraised of the situation within three months of deficiencies becoming known.

5. Relevant publications will be amended.

(DSAP 400/51/301)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 364/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
4 August 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

20340/70

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

364/70—Books—Libraries—Organisation

1. Instructions concerning the provision and administration of ships libraries and central reference libraries have been revised, and are promulgated in this order.

Ships Libraries

Book Categories and Accounting Classifications

2. Books provided to libraries in ships and establishments are divided into three sections as follows:

Section A—all paperback books.

Section B—hardcover popular fiction, and hardcover non-fiction books suitable for general reading.

Section C—reference books.

3. Books from Section A are classified as non-accountable. Books from Section B are accountable by number only and chargeable in accordance with Paragraph 28 of this order. Section C books are classified as accountable by title and chargeable.

Distribution

4. Distribution of all library books is made by the Superintending Victualling Store Officer, Royal Edward Victualling Yard, Sydney, as authorised by the Director of Naval Education Service (DNES) who is the Navy Office authority responsible for the organisation of ships libraries.

5. An initial request for the issue of a library is to be forwarded to DNES, Navy Office, Canberra. Once a ships library has been supplied, supplements of fresh reading material for Sections A and B, and annual reference publications, are issued without further demand, a list of books allocated being forwarded to the library in advance of each issue. These supplements are issued on a monthly basis so far as Section A (paperback) books are concerned, and on a quarterly basis for Section B (hardcover fiction and general reading) books.

6. Demands therefore should be made only for the issue of a complete library, or for the replacement, as necessary, of Section C (reference) books. In view of the regular supplements to Sections A and B, books lost from these sections will not be replaced.

7. Suggestions regarding the types of books required in the regular supplements may be forwarded to DNES.

Base Libraries

8. The establishment of base libraries for mine-warfare and patrol forces and submarines in HMAS WATERHEN, COONAWARRA, TARANGAU and PLATYPUS provides facilities for borrowing on an internal accounting basis and thereby cancels individual library entitlements of ships attached to the abovementioned bases.

Scale of Supply

9. Ships libraries are graded in size according to the complements of the ships and establishments concerned. The following table sets out the numbers of Section B books included in the initial supply, and the numbers of books included in the quarterly supplements for Sections A and B, for complements of varying sizes:

Complement	*Library Class*	*Section B Initial Outlay*	*Section A Quarterly Supplement*	*Section B Quarterly Supplement*
Over 2,000	S	1,000	60	60
1,000–1,999 ..	1	800	40	40
600–999	2	600	40	30
400–599	3	400	40	15
200–399	4	250	40	10
140–199	5	150	40	5
50–139	6	100	40	Nil
Under 50	7	Nil	20	Nil

10. Non-fiction books will comprise about 15 per cent of issues of Section B books, providing suitable books are available.

11. Section C of the library (the Reference Section) will consist of the following books:

a. *All Libraries.*

Atlas, Oxford or Handy Reference
Dictionary—English, Concise Oxford
The Law and Custom of the Sea
Introduction to Naval Court-Martial Procedure
Everymans Encyclopaedia Vols.....
RAN Central Reference Library Catalogue
Commonwealth Yearbook Year.....(Note 1)
Pears Cyclopaedia Edn.....(Note 1)
Janes Fighting Ships Year.....(Note 2)
The Royal Australian Navy 1939-42
The Royal Australian Navy 1942-45

b. *Seagoing Ships*

Dangerous Marine Animals
Pacific Islands Yearbook Edn.....(Note 1)
Wonders of the Great Barrier Reef
BAOC Travellers Digest
Manuals of Seamanship Vols.....
Whos Who in Australia Year.....(Note 1)

Note 1: Republished regularly at intervals varying from one to three years. Up-to-date editions will be supplied to the larger ships and establishments. Superseded editions are to be returned to Royal Edward Victualling Yard for re-issue to smaller ships and establishments.

Note 2: Superseded editions only will be supplied.

12. Other books required for reference in certain ships wil be issued as necessary, but in general, use should be made of the facilities of the Central Reference Libraries when reference books not available in the ships library are required.

Responsibility for Accounting and Control

13. The accounting authority in ships and establishments for all libraries referred to in this order is the Instructor Officer or, where no Instructor Officer is borne, the officer appointed by the Captain to be the Education Officer.

Section A Books—Arrangements for Control

14. Internal accounting for Section A (paperback) books is not obligatory, but a measure of control should be maintained to ensure that the books have a reasonable life span. Paperbacks may be removed from the library and discarded when their condition deteriorates. They are not required to be included on Form CC107 Account of Ships Libraries.

Section B and C Books—Arrangements on Receipt

15. Notification of a pending issue of books from these Sections will be advised by Form SX21 and the books will be supplied under cover of issue voucher Form SX20 (two copies).

16. On receipt of the consignment a comparison of Forms SX20 and SX21 is to be made to ensure that correct supply has resulted.

17. Form SX21 is to be receipted and returned to Superintending Victualling Store Officer as an Acquittance Advice for Manual Accounts.

18. Discrepancies between quantity and condition invoiced and received are to be dealt with in accordance with existing instructions covering Acquittance for Stores under the manual system.

19. One copy of Form SX20 together with the packing list that is enclosed in the consignment is to be retained on board for auditing and reference purposes and the other copy of Form SX20 is to be retained for subsequent enclosure with Form CC107—Account of Ships Libraries (*see* Paragraph 22).

Musters—Books from Sections B and C

20. The Accounting Officer is to carry out a six-monthly muster of all books in Sections B and C of the library about 30 June and 30 November each year. The actual dates may be varied as necessary to fit in with local arrangements, but in no case is the muster to be delayed by more than 14 days after the due date. Where a change of custody of the library occurs, or on paying off, an additional muster is to be carried out.

21. Section B (hardcover fiction and general reading) books are to be mustered according to the number of such books held. Section C (reference) books, however, are to be mustered according to both number and the titles of the individual books held in this section of the library. For convenience in mustering, a list of titles of Section C books is printed on the reverse side of Form CC107.

22. On each occasion of muster, an account of Form CC107 is to be prepared in duplicate. After approval by the Captain, the original of the account is to be forwarded to DNES, accompanied by issue vouchers (Forms SX20) and Form SA116 in respect of books lost or deficient. The duplicate of the account is to be retained on board for reference purposes.

23. The following notes are for the guidance of officers in completing Form CC107:

a. 'Remains from Last Account—This is the number of books actually mustered on the occasion of rendering the last account, and which was entered as 'Numbers Remaining' on that occasion.

b. 'Received from Victualling Yard'—This is the number of books received during the period since the last muster. The relevant issue vouchers (Forms (SX20) are to be attached to the original of the Form CC107.

c. 'Surplus'—This figure is confined to books previously reported as losses or deficiencies and subsequently found. The titles of any surplus Section C books should be indicated by footnote on the reverse side of Form CC107.

d. 'Total Debits'—This is the total of the previous three columns.

e. 'Returned to Victualling Yard'—This is the number of books returned in accordance with Paragraphs 24 and 26 of this order. Receipt copies of Forms SX25 are to accompany the orginial of Form CC107.

f. 'Losses reported on Forms SA116'—This is the number of books whose loss is traceable to specific individuals, and for which Forms SA116 are attached to the Form CC107.

g. 'Other deficiencies'—This is the number of Section B books which were unaccountably deficient on muster.

h. 'Numbers remaining'—This is the number of books actually found at muster.

Returns

24. Books of all sections are to be returned to SVSO, Sydney, when a ship pays off. An account on Form CC107 is to be rendered to DNES on such occasions. Care is to be taken that books obtained from extraneous sources are not included in these accounts. Each section should be packed separately, and recorded on separate Return Vouchers (Form SX27) which should specify the section to which each note refers.

25. Ships undergoing refit, unless paying off, need not return their libraries but may lodge them on deposit with SVSO, Sydney, or by arrangement with NOIC at other ports, informing DNES that supplements are not required. On withdrawing libraries from deposits, a statement that supplements are again required is to be forwarded to DNES.

26. Books from Section B which are no longer of use as a result of wear and tear or for any other reasons, may be returned to SVSO, Sydney, under cover of a Return Voucher (Form SX27). Since no replacements will be issued other than the regular quarterly supplements, returns are to be limited to such quantities that the total number of books held in Section B of the library does not fall below the number authorised for the initial supply for this section as detailed in Paragraph 8 of this order.

Losses

27. The Instructor Officer (or Education Officer) is to take all reasonable precautions to avoid the loss of library books in his charge, but these precautions are not to be such as may restrict the use of the library, and it is appreciated that if this is done, a small number of unaccountable losses may occur.

28. Cases of loss or damage by borrowers are to be investigated by the Instructor Officer (or Education Officer). Whenever it appears that loss or damage is due to negligence or misconduct on the part of the borrower, suitable disciplinary action is to be taken against the borrower. For this purpose, the value of any book is to be taken at its cost price, which is notified when the books are supplied. For this reason, it is important that the packing list (*see* Paragraph 19 above) of books supplied, which includes book prices, be retained. However, in cases where price information is not available for Section B books, an average price of $5.00 per book should be used.

29. Losses of the nature referred to in the preceding paragraph are to be entered in the 'Losses reported on Form SA116' column of the Form CC107 on the next occasion of rendering this form, and the appropriate Forms SA116 are to be attached.

30. Section B books found to be unconditionally missing at muster are to be entered in the 'Other Deficiencies' column of the Form CC107 and are not to be covered by Form SA116.

31. All Forms SA116 rendered in connection with ships libraries are to be subject to the approval of the Captain.

Exchanges

32. Commanding Officers may authorise the exchange of books between ships on a book for book basis within Section A, and on the same basis for books within Section B. Such exchanges are to be made strictly on this basis, but no advice of books exchanged need be forwarded to DNES.

Conduct of the Library

33. The Ships Library Officer is to give each book in the library a serial number by which the book can be identified so long as it remains in his library. The number is to be clearly marked inside the cover of the book, using a rubber stamp in the following form:

HMAS MELBOURNE
Book No.....

34. Serial numbers are to be arranged in such a way as to indicate the section of the library to which a book belongs.

35. The library should be so located as to provide sailors with ready access to books from Section A and B, and officers with ready access to books from Section C. However, both officers and sailors are to be permitted to use books from all sections of the library. The library is to be opened to the ships company at such times as may be convenient to permit free circulation of the books.

36. A record of books borrowed is to be maintained by the librarian, and all reasonable precautions are to be taken to ensure that books are returned by borrowers in due course. To facilitate control of a 'Borrowers Card', Form AS3140 (CC102), is available on demand from SVSO, Sydney; proper use of these cards will enable the librarian at any time to check which books are out on loan, and to whom they have been loaned.

Disposal of Books Returned to SVSO

37. Serviceable books from Sections A and B which are returned by ships to SVSO in accordance with Paragraphs 24 and 26 will be stamped on receipt to indicate that they are second-hand books, and distributed through the Base Instructor Officer to small ships and messes which do not carry established libraries. Such books may be exchanged direct, but only for other books in this category and may be discarded when their condition deteriorates. Books classified as second-hand do not require to be accounted for but small ships and messes to whom they are issued should ensure that they have a maximum useful life.

Central Reference Library

38. In order to make available a wider range of reference books than can be provided in ships libraries, Central Reference Libraries are maintained in HMA Ships ALBATROSS, CERBERUS and WATSON. These books cover a wide range of subjects and are intended for both officers and sailors. A catalogue is held by all Senior Instructor Officers and Education Officers.

39. Additions are made to the Central Reference Libraries by DNES as they become available. Recommendations for books considered to be suitable for insertion may be forwarded to DNES. Normally only prescribed books for use with private courses of study in accordance with Navy Order 143/70 will be considered for inclusion in the libraries.

40. Books will normally be issued singly for short periods but may be borrowed in batches for longer periods by arrangement with the Senior Instructor Officer in charge of the library. The officer in charge of the library is to keep detailed records of issues and returns.

Application to Borrow Books

41. Personnel serving in HMAS ALBATROSS, CERBERUS or WATSON may apply to the officer-in-charge of the library.

42. Personnel serving in other ships or establishments may apply through their Senior Instructor Officer or Education Officer.

43. The Education Officer will forward a 'book order' form (CC100) to the library concerned. The books will be issued to the Education Officer for re-issue to the individual. Thus the Education Officer is responsible for the eventual return of the books to the Central Reference Library, and he is to ensure that books are recovered from personnel about to be posted away from the ship or establishment.

44. Central Reference Libraries are to be mustered on or about 30 June and 30 November each year as for ships libraries. Additional musters are to be carried out on change of custody. Books on loan need not be recalled for muster, but the officer-in-charge must obtain a certificate of muster (stocks held by DNES) from each Instructor Officer/Education Officer to whom books are on issue.

45. The officer-in-charge is to forward a completed certificate of muster through the Captain to the Director of Naval Education Service.

46. Losses are to be dealt with as for losses from ships libraries, and are to be covered by Forms SA116, approved in each case by the Captain. Again, it is accepted that a number of unaccountable losses will occur at each muster.

47. Navy Order 165/68 is hereby cancelled.

(DNES 451/51/15)

(Navy Orders 165/68 and 143/70)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

RESTRICTED

ANOs 365/70-378/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
14 August 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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20661/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

365/70—ACNB General Messages

1. In accordance with Navy Order 593/68, the state of ACNB General Messages at 1 July 1970 is as shown in Annex A to this order.

2. Navy Order 238/70 is hereby cancelled.

ANNEX A

1. The following F Message may now be withdrawn:

1969

101 *see* ATP 10A/70.

2. As at 0001Z July the following F Messages were in force:

1969

102, 104, 105, 106, 107, 109, 110, 113, 114, 115, 116, 117, 119, 120, 121, 124, 126, 127, 128, 129, 131, 133, 134, 135, 137, 138, 140, 142, 143, 144, 146, 148, 149, 150, 151, 152, 153, 154, 155, 158, 160, 163, 165, 166, 167.

1970

002, 003, 004, 006, 007, 009, 010, 011, 012, 013, 015, 016, 017, 018, 019, 020, 021, 022, 023, 026, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 048, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 062, 063, 064, 065, 066, 068, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079.

(AS (NS) 77/1/14)

(*Navy Orders 593/68 and 238/70*)

RESTRICTED

366/70—Security Clearances—Processing Time

Navy Order 249/70 is to amended as follows:

Delete existing Paragraph 4.

Insert in lieu:

'4. The following periods are the average which ASIO require to complete a check when a change in security clearance is required:

Primary Clearance	up to 1 week
Secret Clearance	up to 1 week
Top Secret Clearance	up to 6 weeks.'

(DNI 1617/4/11)

(*Navy Order 249/70*)

RESTRICTED

367/70—Shore Stations, RAN Air Station—Restrictions on Power, Telephone and Remote Control Cables in the Vicinity of Ground Radio Installations

1. Attention is drawn to the need for safeguarding the performance of ground radio installations of all types against interference with their operation due to the presence of power, telephone, remote control lines or structures in the vicinity of radio equipment installations or their associated aerial systems in HMA shore establishments, shore stations and the RAN Air Station.

2. An Australian Joint Service publication (Code of Practice for Installation of Power, Telephone and Remote Control Cables near Ground Radio Stations) has now been approved for use in the RAN and the recommendations contained in this Code of Practice are to be observed in the future as appropriate when planning power, telephone and remote control cable installations referred to in Paragraph 1 above. Copies of the abovementioned Code of Practice have been forwarded to FOICEA, NOICNA, HARMAN and ALBATROSS. Requests for additional copies are to be addressed direct to:

The Secretary,
Telecommunications Advisory Committee,
Treasury Building,
Treasury Place,
MELBOURNE 3000.

3. If it is suspected that the performance of an existing radio installation referred to in Paragraph 1 above is being adversely affected by the presence of any power, telephone, remote control line or structure in the vicinity, or it appears impracticable to apply the recommendations of the Code of Practice to any new installations, the details of the installation concerned are to be forwarded to the Naval Board for consideration and direction.

4. Navy Order 266/67 is hereby cancelled.

(DWED 1424/201/17)

(*Navy Order 266/67*)

Section 2
PERSONNEL

RESTRICTED

368/70—Gun Crew and Maintainers—Protective Clothing

1. A fatal accident has recently occurred in the RN where a hooded jacket worn by the member of a gun crew became entangled in rotating machinery.

2. Sailors in charge of gun bays and gun houses are to ensure that gun crews, when closed up are wearing action working dress and anti-flash gear. Anti-flash gloves are to be worn pulled up over shirt sleeves and anti-flash hoods are to be tucked inside shirts.

3. No loose clothing, ie, duffle coats, parkas, etc, are to be worn over action working dress.

4. Overalls may be worn by maintainers over their normal working dress.

(CONS 177/1/148)

UNCLASSIFIED

369/70—Repatriation Benefits in Respect of Special Service

1. This order explains in detail the various Repatriation benefits available to members of the RAN who are allotted for 'special service' under the Repatriation (Special Overseas Service) Act 1962-1968.

2. 'Special service' is performed during a period when a member is outside Australia and he or his unit is allotted for special duty in a special area.

3. Special duty, special areas, the conditions governing allotment and the benefits for which an allotted member may qualify are defined in:

a. Navy Order 478/69—Service in the North Borneo and Malay Peninsula areas.

b. Navy Order 472/68—Service in the Vietnam area.

Benefits Available

4. Repatriation benefits for 'special service' overseas are provided generally on the same basis and at the same rates as are available for ex-servicemen of the 1939-45 War and subsequent operations.

War Pension

5. To be eligible for a pension a member or ex-member must have an incapacity of pensionable degree which has been accepted as due to, contributed to, or aggravated by 'special service'. The exception to this rule is pulmonary tuberculosis which, even if not due to 'special service' is pensioned as though it were provided the member:

a. served on 'special service'; and

b. at any time after discharge from the Forces became or becomes incapacitated from pulmonary TB.

Pensions are not payable before the termination of the period of 'special service' in respect of which the incapacity arose.

6. There are three main classes of pension for incapacity, namely:

a. the General Rate—payable from 10 per cent to 100 per cent of the maximum general rate according to the assessed degree of incapacity;

b. the Intermediate Rate—payable where an ex-member, because of the severity of incapacity from his accepted disabilities can work only part time or intermittently and is unable to earn a living wage;

c. the Special (TPI) Rate—payable where the member is, because of accepted disability totally and permanently incapacitated, ie, he is incapacitated for life to such an extent as to be precluded from earning other than a negligible percentage of a living wage.

7. The weekly rates of War (incapacity) pensions are as follows:

a. *Member*

(1) Full General Rate	$12.00
(2) Intermediate Rate	$26.50
(3) Special TPI Rate	$36.00

b. *Special Compensation Allowance*

(1) This allowance is paid to certain seriously incapacitated ex-servicemen whose actual incapacity is assessed at from 75 per cent to 100 per cent of the full general rate.

(2) The rate varies in proportion to the assessment and ranges from $3.75 (75 per cent) to $5.00 (100 per cent).

c. *Wife*

(1) If the member is in receipt of a pension under a (2), a (3), or the full general rate—$4.05.

(2) Varying amounts from 10 per cent to 95 per cent of the full general rate depending on the assessed degree of the members incapacity.

d. *Children* (under 16 years)

(1) If the member is in receipt of a pension under a (2), a (3), or the full general rate—$1.38.

(2) Varying amounts from 10 per cent to 95 per cent of the maximum rate of $1.38 depending on the degree of the member's incapacity.

Death

8. Where the death of a member is attributed to 'special service', where he dies from pulmonary TB following 'special service' or where, at the time of his death, he was receiving or would have been entitled to receive the Special Rate war pension:

a. *War Widow*

$15.00 per week, plus a Domestic Allowance of $7.50 if eligible.

b. *Children*

(1) First child $5.40 per week.

(2) Subsequent children $4.25 each per week.

c. *Double Orphans* (where both parents are deceased)

$10.15 per week each.

Service Pension

9. This is a pension which, whether or not there is incapacity resulting from 'special service', may be paid to or in respect of a member who satisfies a means test and:

a. suffers incapacity from pulmonary TB; or

b. served on 'special service' and has attained the age of 60 years or is permanently unemployable.

Medical Treatment

10. Medical Treatment is provided for a member for incapacity attributed to 'special service' and, with some limitations, to a full (100 per cent) rate pensioner, the intermediate, TPI or service pensioner for disabilities not related to 'special service'; also to a war widow and her eligible children, and to certain other dependants of a deceased member.

11. The treatment includes a full range of out-patient, specialist and in-patient facilities as well as the supply, renewal and repair of artificial replacements, surgical aids and appliances.

Training

12. Under the Disabled Members and Widows Training Scheme professional, industrial or rural training is provided for:

a. ex-members who through accepted disabilities are substantially handicapped, and where training appears to be the only means whereby their satisfactory re-establishment may be effected; and

b. widows of deceased ex-members whose deaths have been accepted as due to 'special service', where training is necessary to follow a suitable occupation.

13. There is no time limit for lodgment of an application by an ex-member, but a war widow must apply:

a. within five years of acceptance of her husbands death as due to 'special service'; or

b. if not within that period, a date within the period of acceptance of her husbands death and the date one year after her youngest child reaches six years of age.

14. The assistance is provided during training by way of payment of fees, incidental expenses such as provision of books and equipment, fares and payment of a training allowance under certain conditions.

Education

15. Under the Soldiers Children Education Scheme, assistance is provided by way of education allowances to children of certain deceased members, and to children of certain classes of seriously disabled members.

16. The objects of the scheme are to assist and encourage eligible children to acquire standards of education compatible with their aptitude and to provide them with suitable vocations in life.

17. Education Allowances, which are paid subject to income limits, range from $2.18 at 12 years of age to $19.23 for a professional student living away from home per week, varying according to age, type of education being undertaken and whether children are living at home or away from home.

Allowances

18. Other assistance is provided by means of various allowances. Some examples are:

a. *Sustenance Allowance* is payable to a member who is prevented from engaging in employment because of:

(1) the necessities of treatment of an accepted disability; or

(2) the investigation of a claim for pension. The rates of sustenance allowance for a member and his dependants together with any war pensions payable, are equivalent to the special rate and the full general (100 per cent) rate of war pension. In certain circumstances sustenance allowance on the grounds of a. may be paid up to the equivalent of the Special (TPI) rate of war pension.

b. *Attendance Allowance* payable when a member is required to attend at a specified place on the authorisation of the Repatriation Department and, in doing so, suffers loss of salary or wages. The allowance payable is $1.00 per hour up to $8.00 per day with a maximum of $16.00 in any week.

c. *Recreation Transport Allowance* payable to a member who has suffered certain specified amputations or who is severely disabled with negligible powers of locomotion. The allowance is to provide transport for the purpose of recreation for members in this category and is payable at two rates, $12.50 or $25.00 per month.

d. *Clothing Allowance* payable to certain categories of amputees or to a member whose incapacity results in exceptional wear and tear or damage to his clothing. The rates payable range from 43 cents to 85 cents per week.

e. *Attendants Allowance* payable to certain classes of severely disabled ex-servicemen including the war blinded, the paralysed and some double amputees. There are two rates, $8.50 and $14.00 per week.

19. In addition to the above, other assisance is available such as funeral grants of up to $50.00, travelling expenses consisting of return fares and subsistence of up to $12.15 per day and a grant of up to $10.00 to a member in necessitous circumstances.

Procedures

20. The same procedures for determining claims including rights of appeal, apply in respect of members claiming benefits in respect of special service as under the Repatriation Act and Regulations.

21. Members of the RAN who wish to claim Repatriation benefits should apply direct to the Deputy Commissioner, Repatriation Department, in the capital city of the State in which they reside (*see* RI 4861 (7)).

(HPB 302/201/25)

(*Navy Orders 472/68 and 478/69*)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

370/70—Survival at Sea Training

Aim

1. The aim of Survival at Sea Training is to equip officers and sailors with the knowledge and skills necessary to ensure the best chance of surviving at sea.

Training

2. Survival at Sea Training is to be conducted as follows:

a. New Entry—officers and sailors during initial training to ensure that all RAN sea-going personnel are familiar with Survival at Sea techniques and equipment.

b. All sailors during promotion courses to extend their knowledge of Survival at Sea techniques.

c. Aircrew officers when serving at RAN Air Station, Nowra, to ensure that they are thoroughly aware of and practiced in the techniques for Survival at Sea.

3. Course Training Standards, from which common syllabuses for Survival at Sea Training during New Entry and Promotion Courses will be developed, are at present being compiled.

Responsibilities

4. The responsibilities for Survival at Sea Training are as follows:

Authority	*Responsibility*
Navy Office	The overall policy for and co-ordination of Survival at Sea Training.
New Entry and Promotion Course Training Establishments	The efficient implementation of Survival at Sea Training in accordance with approved syllabuses.
RAN Air Station, Nowra ..	The efficient implementation of Aircrew Survival at Sea Training in accordance with the approved syllabus.
	The development and dissemination through Navy Office of information useful for Survival at Sea instruction.
	Collating information and proposing amendments to ABR 5102—The Survival Manual.

Survival Swimming

5. The PT School, HMAS CERBERUS, is responsible for Survival Swimming Training to the standard laid down by the Royal Life Saving Association of Australia. Instructions on this training, not already contained in ABR 27 and other Navy Orders, will be promulgated in due course.

(D of T 311/4/200)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

371/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 244 (Ex TDL 'FN').

a. *Item:* 'To fit escape scuttle in the starboard side of the Air Direction Room on 01 Deck at Frame 81½, to open outboard and allow exit from the ADR to the walkway behind liferaft stowages. Hand grip to be fitted above scuttle. Scuttle to be similar to existing escape scuttles in Island Structure.'

b. There will be a weight increase of approximately 50 lb.

c. *Reference:* HMAS MELBOURNEs Form TM168 (AS1182) dated 12 November 1969 forwarded under cover of FOCAF Memorandum dated 28 November 1969.

(CNTS 1213/52/876)

UNCLASSIFIED

372/70—Alteration and Addition Item—HMA River Class Destroyers

The following Alteration and Addition Item is approved to be carried out in HMA Ships YARRA, STUART and DERWENT:

Class List Item No 402 (Ex TDL 'DHC').

a. *Item:* 'Port lower boats boom and associated fittings to be removed:

(1) Boom rigging gear.

(2) Removal of eight ladder rungs from ships side.

(3) Removal of heel fittings.

(4) Removal of two ships side brackets port boat space, one measuring approximately 6 feet in length and another 3 feet.'

b. Compensating weight is not required.

c. *Reference:* HMAS DERWENTs Form TM168 (AS1182) TDL 'DHC' dated 30 September 1969 forwarded under cover of FOCAF Memorandum undated.

(CNTS 1224/72/318)

UNCLASSIFIED

373/70—Ammunition—Head Flare 2-inch Rocket No 3 Mark N5 Risk of Premature or Early Functioning

(DCI (RN) 676/70)

1. *Authorities concerned* .. .. HMA ships, shore establishments and RAN armament depots.

2. *Store concerned* .. .. .. 38905411 Head Flare, 2-inch Rocket No 3 Mark N5.

3. *Purpose of Instruction* .. .. To warn all users of 38905411 Head Flare 2-inch Rocket No 3 Mark N5 that a risk of premature or very early functioning of Flare Heads may occur when firing; even though no Heads have been issued that failed proof in this respect.

(DAS 728/56/76)

RESTRICTED

374/70—Astern Fuelling—Policy

1. It has been decided that there is no longer a requirement for HMA ships to retain a capability to supply or receive fuel by the astern method while underway.

2. A and A action will be initiated at Navy Office to remove equipment from ships. The ability to supply and receive fuel over the stern in HMAS SUPPLY and to receive fuel over the stern in HMA Ships MELBOURNE and SYDNEY, while at anchor in Seeadler Harbour, is to be retained for the time being.

(DNSD 1211/51/699)

UNCLASSIFIED

375/70—Fixed Issuing Prices for Provisions and Victualling Allowances as from 1 July 1970

1. The price list for fresh fruit and vegetables which has operated since 1 April 1970 has been amended.

2. A revised price list, operative from 1 July 1970 has been distributed to all HMA ships and establishments.

3. Consequent upon the revision of those prices the following rates of victualling allowances per head per day will apply as from 1 July 1970:

	Ashore $	*Afloat* $
Messes of 50 or less victualled from a separate galley ..	0.81	0.83
All other messes of 300 or less messed separately	0.79	0.81
Messes of more than 300	0.77	0.79
Additional for ships of the Strategic Reserve and for ships deployed with the United States Navy in the Far East ..	—	0.04
Supplementary 'Broadside' messing allowance for:		
HMAS ANZAC, DIAMANTINA, DUCHESS and QUEENBOROUGH	—	0.01
HMAS COONAWARRA	0.83	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of NOIC PNG	0.85	—
Cadet Midshipmen at RANC	0.88	*
Junior Recruits at Training Establishments		
Apprentices at RANATE		
Australian Sea Cadets attending camps and courses ..		

* The allowance of 88 cents per day for Cadet Midshipmen, Junior Recruits, Apprentices and Australian Sea Cadets, is increased to 90 cents per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 197/70 is hereby cancelled.

(D of V 903/51/156)

(Navy Order 197/70)

RESTRICTED

376/70—Igniter, Safety Fuze, Percussion—Introduction

1. It is intended to introduce the 637033 Igniter, Safety Fuze, Percussion Mark 3 into general naval service. The igniter is relatively easy to use and will replace the 638009 Igniter, Safety Fuze, Watertight Mark 1 previously allowed by demolition outfits class one, two and three in HMA ships.

2. The allowances for Clearance Diving Teams and Minehunters shown in RANAL (CAT 80) will not be altered. A yearly allowance of 100 igniters Mark 1 and 400 igniters Mark 3 is authorised for demolition and EOD training by HMAS WATSON.

3. Details of the igniter are given in Paragraph 24 of BR 1836, Demolition Drill Book.

4. When available issues will be made without demand by RANA Depots. On receipt, the following are to be returned by the holders of outfits class one, two and three:

638009	Igniters, Safety Fuze, Watertight No 1.
638340	Balls, $\frac{5}{32}$ inch diameter non-corrodible steel.
641349	Tool, checking igniter, S/F, W/T.
641401	Tool, cocking igniter, S/F, W/T.

5. Warrants of Naval Armament Stores will be amended in due course.

(DUW 715/51/358)

UNCLASSIFIED

377/70—Radio Hazards Combustible and Flammable Materials

1. For the purposes of radio frequency, static electricity and lighting hazards to gasolines, petroleum oils, lubricants, flammable materials and sealed containers, combustible materials, liquid and gaseous oxygen, those definitions procedures and regulations contained in Chapters 22 and 23 of BR 1754 (1968) are authoritative for the purposes of application within the Royal Australian Navy.

2. HMA ships and craft safety regulations are to contain the regulations from Chapters 22 and 23 and are to be regularly amended in accordance with amendments to the BR.

(DWED 177/201/17)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

378/70—Form CG188—Official Publication Amendment Proposal—Introduction

1. Form CG188 has been introduced to provide authorities with an easy means of reporting errors or omissions found in official publications.

2. The forms, which are in pads of 50, are available on demand from SVSO, Sydney. Instructions for use are contained on the form.

(DOM 464/71/34)

Navy Orders 230/67-384/67 are now over three years old and may be disposed of accordingly.

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 379/70-389/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
21 August 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

20976/70

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

379/70—Conditions of Service for Exchange of Officers—Royal Australian Navy and Royal New Zealand Navy

1. The conditions of service whereby officers will serve on exchange duty between the Royal Australian Navy and the Royal New Zealand Navy are promulgated for information.

Date of Commencement and Termination of Exchange Service

2. The date of appointment to exchange service will be the day on which the RAN officer arrives in New Zealand, and the day on which the RNZN officer arrives in Australia. Exchange service will cease on the date of departure from Australia and New Zealand respectively. Time spent on passage or on Foreign Service Leave is not included.

Duration of Service

3. Period of exchange service will normally be two years.

Rank, Seniority and Specialist Qualifications

4. As far as possible officers of equivalent rank and specialisation and roughly equivalent seniority will be exchanged.

Local and Foreign Service Leave

5. For RAN officers this will be as laid down in Regulations and Instructions for the RAN, Chapter 9, Article 0948, while for RNZN officers Royal New Zealand Navy Regulations and Instructions, Chapter 9, will apply. Payments to RAN and RNZN Exchange Officers for leave will be the liability of the parent services.

Pay Accounting Arrangements

6. a. Pay accounts of RAN officers will be borne in HMAS PENGUIN, Sydney, NSW, and those of RNZN officers will be borne in HMNZS PHILOMEL, Devonport, Auckland.

b. Advice of the net fortnightly drawing rate payable to an RAN officer is to be forwarded by Air Mail from HMAS PENGUIN to the RNZN ship or establishment to which he is posted, ACNB and NZNB being information addressees.

c. The first advice of a net fortnightly drawing rate is to be regarded as a standing authority to pay the amount specified until further advice.

d. For accounting purposes advice of payments made in RNZN ships and establishments is to be forwarded by Air Mail to HMAS PENGUIN and to ACNB for information.

e. The net fortnightly drawing rate payable to a RNZN officer is to be similarly advised by HMNZS PHILOMEL to the RAN ship or establishment to which the officer is posted, NZNB and ACNB being information addressees.

f. Advice of payments made in HMA ships and establishments is to be forwarded by Air Mail to HMNZS PHILOMEL and to NZNB for information.

g. 'Where a change of posting occurs it is the responsibility of the ship or establishment in which an Exchange Officer is serving to advise the new ship or establishment and HMAS PENGUIN or HMNZS PHILOMEL as appropriate, of the current fortnightly drawing rate, so that advice of any variation of that rate may be correctly addressed.'

Rates and Conditions of, Liability for, and Currency of Payment of Pay and Allowances

7. a. **RAN Officers in New Zealand:**

Nature of Pay and Allowances	*Rates and Conditions*	*Liability*	*Currency*
Active Pay	RAN	RAN	AUST
Married Allowances	RAN	RAN	AUST
Child Education Allowance	RAN	RAN	AUST
Oversea Living Allowance	RAN	RAN	AUST
Uniform Allowance	RAN	RAN	AUST
Submarine Pay	RAN	RAN	AUST
Flying Pay	RAN	RAN	AUST
Surveying Pay	RAN	RAN	AUST
Cost of passage expenses including accommodation costs in Australia prior to passage and on return	RAN	RAN	AUST
Removal costs, Storage, etc, in Australia	RAN	RAN	AUST
Settling In/Out Allowance in NZ on intitial posting and prior to return	RAN	RNZN	NZ
Command Money	RNZN	RNZN	NZ
Diving Pay	RAN	RAN	AUST
Hard Lying Money	RNZN	RNZN	NZ
Pilotage Money	RNZN	RNZN	NZ
Removal expenses within NZ during exchange service (*see* also 8 and 9 below)	RNZN	RNZN	NZ
Travelling or Subsistence allowances or expenses during posting	RNZN	RNZN	NZ
Entertaining Allowance	RNZN	RNZN	NZ

b. **RNZN Officers in Australia:**

Nature of Pay and Allowances	*Rates and Conditions*	*Liability*	*Currency*
Basic Pay	RNZN	RNZN	NZ
Marriage Allowance	RNZN	RNZN	NZ
Separation Allowance	RNZN	RNZN	NZ
Ration Allowance	RNZN	RNZN	NZ
Uniform Allowance	RNZN	RNZN	NZ
Passage costs including accommodation costs in NZ prior to passage and on return	RNZN	RNZN	NZ

Nature of Pay and Allowances	*Rates and Conditions*	*Liability*	*Currency*
Baggage Costs	RNZN	RNZN	NZ
Accommodation expenses in Australia on initial posting and prior to return (*see also* 8 and 9 below)	RNZN	RAN	AUST
Location Allowance (all elements)	RNZN	RNZN	NZ
Surveying Pay	RNZN	RNZN	NZ
Removal costs, storage, etc, in NZ	RNZN	RNZN	NZ
Command Money	RAN	RAN	AUST
Diving Pay	RNZN	RNZN	NZ
Entertaining Allowance	RAN	RAN	AUST
Hard Lying Money	RAN	RAN	AUST
Pilotage	RAN	RAN	AUST
Travelling Allowances or expenses during posting	RAN	RAN	AUST
Removal costs within Australia during exchange service	RAN	RAN	AUST

Liability for Travelling Expenses

8. The liability of the employing Navy for travelling expenses, etc, of exchange officers will commence from the time of actual disembarkation, and cease on embarkation for return to the parent Navy. Officers on permanent change of posting during the period of exchange service are granted transfer of family and baggage at the expense of the employing Navy. For this purpose 'family' is as defined in the family passage regulations of the parent Navy, and the amount of baggage which may be so carried will be limited to that actually transferred at the time of initial posting for exchange service.

Settling In/Settling Out and Accommodation Allowances

9. Settling In/Settling Out, or Accommodation Allowance as appropriate, is payable in the oversea country in respect of an initial posting for exchange service and—if applicable—also during the period immediately prior to the return of an exchange officer to his parent Navy.

10. Officers of either Navy when on permanent change of posting during period of exchange service are not eligible for Disturbance Grants (RNZN) or Disturbance Allowance (RAN) but may when required, because of the posting, to remove to another area, be reimbursed as the liability of the employing Navy in respect of days, not exceeding an overall period of two weeks, necessarily spent in hotel type accommodation. Reimbursement will be made at RAN Settling In/Settling Out Allowance rates for RAN officers serving in New Zealand, and at RNZN Accommodation Allowance rates for RNZN officers serving in Australia.

Passages

11. The parent Navy will meet the costs of passage to and from exchange service. Travelling expenses, etc, will be payable by the parent Navy only up to the port of disembarkation on arrival, and from the port of embarkation on return.

12. a. *The ACNB* will arrange passages for:
(1) RAN officers proceeding to New Zealand on commencement of exchange service; and
(2) RNZN officers returning to New Zealand on completion of exchange service.

b. *The NZNB* will arrange passages for:
(1) RAN officers returning to Australia on completion of exchange service; and
(2) RNZN officers proceeding to Australia on commencement of exchange service.

Class of travel, accommodation, etc, for families will be based on the husbands entitlement.

Taxation

13. Exchange officers will be subject to the taxation provisions of their parent countries.

Hospital, Medical and Dental Treatment

14. a. *Officers:*
(1) All officers will be provided with medical, hospital and dental treatment and immunisation procedures at the expense of the employing Navy. Except in emergencies all treatment must be obtained from Service sources in accordance with the instructions applicable in the employing Navy.
(2) All officers are to be given a full medical examination during the first quarter of each calendar year, in accordance with ABR 1991—Naval Medical and Hospital Instructions—Article 0705.

b. *Documentation:*
(1) On commencement and completion of exchange service medical and dental history documents are to be dispatched by Air Mail to arrive at the officers place of posting at least three days before the arrival of the officer.
(2) During exchange service all treatments and examinations are to be recorded in duplicate and the original record placed in the medical envelope. The duplicate records of RAN officers are to be forwarded to the Director of Naval Medical Services, RNZN Hospital, Auckland, NZ, who will forward them to the Medical Director-General. The duplicate records of RNZN officers are to be forwarded to the Medical Director-General, Department of the Navy, Victoria Barracks, Melbourne, VIC 3004, Australia, who will forward them to the Director of Naval Medical Services.

c. *Dependants of Officers:*
Dependants of RAN Officers:
(1) Dependants of RAN officers serving in New Zealand will receive National Health Benefit Scheme Benefits (Commonwealth and Society) for medical expenses incurred. The benefits would be based on the equivalent Australian Charges if the New Zealand Charge differed, and would only be payable if the dependants were permanently resident in Australia temporarily absent in New Zealand (for the posting).

(2) Medical, hospital and dental charges compare favourably by comparison with those in Australia. If a member on behalf of his dependants incurs heavy expenditure which is regarded as excessive by Australian standards he may submit the case to Navy Office, Canberra, in accordance with NPI 105/309 (2).

d. *Dependants of RNZN Officers:*
Arrangements are to be made for all medical, hospital and dental treatment of dependants through normal civil facilities in Australia. Benefits will be in accordance with RNZN regulations (NPRI 1253) and claims for reimbursement of medical and hospital expenses are to be forwarded to the Royal New Zealand Naval Liaison Officer, PO Box 820, Canberra 2600.

Leave Travel Warrants

15. a. *RAN Officers:*
RAN officers proceeding on leave within New Zealand are not entitled to the grant of Leave Concession Warrants.

b. *RNZN Officers:*
(1) Married officers, whose wives are resident in Australia but who for Service reasons are separated from their wives, may be granted two warrants per year to the usual address of their wives. Warrants are to be marked boldly at the top in red ink 'Chargeable to the New Zealand Government', and details of all free rail warrants issued to RNZN officers are to be reported to the NZNB.
(2) Other officers are not entitled to the grant of Leave Concession Warrants.

Uniform Outfit Grants

16. Uniform outfit grants to RNZN officers are payable according to RNZN rates and conditions. Authorities for payment will be communicated by the Supply Officer HMNZS PHILOMEL to the Supply Officers of ships or establishments where RNZN officers are serving.

17. RAN outfit gratuities will be payable in accordance with RAN rates under RAN conditions. Authority for payment will be supplied by Navy Office.

Victualling and Accommodation Charges

18. Where RAN and RNZN officers are victualled and accommodated no charge will be made by the employing Navy.

(HPB 333/5/4)

UNCLASSIFIED

380/70—Survey Party Allowance

1. Statutory Authority has been given for the payment of the increased rate of Survey Party Allowance as shown in Navy Order 40/70.

2. Increased rate may be paid from 3 July 1970.

(HPB 252/4/61)

(Navy Order 40/70)

UNCLASSIFIED

381/70—Vaccination and Immunisation

Navy Order 292/70 is to be amended as follows:

a. *Delete* Paragraph 8, *insert* Paragraph 16.

(MDG 327/54/87)

(*Navy Orders 182/70 and 292/70*)

UNCLASSIFIED

382/70—Very Good* Conduct Assessment

1. Under the current rules for awarding of conduct assessments a sailor under 18 years of age given a warrant punishment must be assessed 'good' or 'poor' and consequently he cannot be given a Very Good* assessment for an offence occurring after he attains 18 years of age.

2. Having in mind the consequences of the above in relation to the granting of the Long Service and Good Conduct Medal, the Naval Board has approved that conduct assessments given before the sailor attains the age of 18 years will be ignored when deciding whether he may be awarded a Very Good* assessment after he attains the age of 18 years. Accordingly, RI 1861 Paragraph 4, as promulgated in Navy Order 542/67, has been amended to the following and should be noted:

'4. An assessment of Very Good* is not to be given where, in respect of a previous offence by the sailor since he attained the age of 18 years:

a. an assessment of Good or Poor was awarded;

b. an assessment of Good or Poor awarded was especially altered to Very Good by the Naval Board, otherwise than in consequence of the quashing of a punishment.'

(HPB 178/1/127)

(*Navy Order 542/67*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

383/70—Alteration and Addition Item—HMAS PALUMA

The following Alteration and Addition Item is approved to be carried out in HMAS PALUMA:

Class List Item No 23 (TDL 'AA').

a. *Item:* 'To replace the Type 771 Echo Sounder with Type 772 Equipment as fitted in attached Survey Motor Boats.'

b. There is a weight saving for the item of 70 lb.

c. *Reference:* HMAS PALUMAs Form AS1182 (TM168) TDL 'AA' dated 21 October 1969, forwarded under cover of FOCAF Memorandum dated 27 October 1969.

(CNTS 1236/58/267)

UNCLASSIFIED

384/70—Alteration and Addition Item—HMAS SYDNEY

The following Alteration and Addition Item is approved to be carried out in HMAS SYDNEY:

Class List Item No 341 (Ex TDL 'AJ').

a. *Item:* 'To fit 2 in number "Dairy Delite" Soft Ice Cream Making Machines in 3 J 2 Ice Cream Bar.'

b. The additional weight is estimated at 700 lb and compensation is required.

c. *Reference:* HMAS SYDNEYs Form AS1182 (TM168) TDL 'AJ' dated 5 December 1966 forwarded under cover of FOCAF Memorandum dated 30 December 1966.

(CNTS 1213/53/190)

UNCLASSIFIED

385/70—Laundry Charges in HMA Ships

1. A uniform charge shall continue to apply to the laundering of Departmental property in ships laundries to defray the costs of detergents used.

2. A flat rate of five cents per dozen articles is to be charged to public funds, in respect of all Service articles laundered.

3. Navy Order 458/67 is hereby cancelled.

(D of V 900/51/4)

(*Navy Order 458/67*)

UNCLASSIFIED

386/70—Mortars—A/S Mortar Mark 10—Introduction of Barrel Mark 2 Mod 0 Assembly

(*Circular Letter (UG) No 39*)

1. *Information* .. .. .. The existing A/S Mortar Barrel Mark 1 Mod 1 Assembly has, to some degree, been unreliable in service and maintenance has been difficult.

Barrel Mark 2 Mod 0 Assembly SR 159625 has been introduced to improve performance and reliability and provide equipment which will be maintainable over longer periods.

The existing Mark 1 Mod 1 Barrel is to be converted to Mark 2 Mod 0. Instructions for the conversion have been promulgated in Circular Letter (UG) 39 as Modification S/N 35. Single Mounting Ships only will be affected.

2. *Action Required*	Conversion of Mortars fitted on board HMA ships will be carried out during overhaul. Assemblies in mountings at Armament and Weapon Equipment Depots will be converted as opportunity permits.
3. *Schedule of Modification* ..	*Add*—Serial No 35.
4. *Parts Affected*	A/S Mortar Mark 10 Barrel Mark 1 Mod 1 Assembly.
5. *Nature of Modification*	Modify and convert to 159625 Barrel Mark 2 Mod 0 Assembly.
6. *Urgency*	b.
7. *To be done by*	d.
8. *Authority*	Navy Order 386/70.
9. *Drawings*	AME 6580 and 3013/2300.
10. *Publications*	Warrants of Naval Armament Stores will be amended in due course.

(DAS 707/51/156)

UNCLASSIFIED

387/70—Naval Stores (General)—Introduction and Allowances—Kit Electronic, Repair and Maintenance—Stock No 5180-66-032-6356

1. The undermentioned kit, comprising the items detailed in Annex A, has been introduced to enable repair of printed circuits boards to be carried out by ships staff:

Stock No	*Description*	*DQ*	*Acctg Class*
5180–66–032–6356	Kit Electronic, Repair and Maintenance ..	No	P

2. Supply of the kit to the allowances detailed hereunder will be effected, without demand, by the Superintending Naval Store Officer, Sydney:

HMA Ships		*HMA Establishments*	
CV, AD	3 No each	ALBATROSS	6 No
		CERBERUS (including 1 No for West Head Gunnery Range)	6 No
AP, DD (not HMAS ANZAC), DE (not HMAS QUEENBOROUGH), AGS	1 No each	MIRIMBA	5 No
		MELVILLE	3 No
		HARMAN	2 No
		WATSON, PLATYPUS, TARANGAU, WATERHEN	1 No each

3. Provision has been made for allowances to the following Non-commissioned establishments:

RANTE	2 sets
RANAD	3 sets

4. Navy Orders 650/69 and 234/70 are hereby cancelled.

5. Allowance lists will be amended in due course.

ANNEX A

Items comprising kit, electronic, repair and maintenance.

Group Class	*Cat No*	*Item Name*	*Acctg Class*	*DQ*	*Qty*
0283	L69791	Solder Wire 60/40 16 SWG ..	C	LB	½
3439	00–918–7917	Solder Aid	C	No	1
3439	00–918–7918	Tweezers heat sink and anti-wicking 5 inch 22 AWG	C	No	1
3439	00–918–7919	Tweezers heat sink and anti-wicking 5 inch 24 AWG	C	No	1
3439	00–918–7920	Tweezers heat sink and anti-wicking 5 inch 20 AWG	C	No	1
3439	00–918–7921	Tweezers heat sink and anti-wicking 5 inch 18 AWG	C	No	1
3439	66–015–9717	Tip ⅛ face diam 45° bevel 2⅛ x 3/16 inch shaft diam	C	No	1
3439	66–015–9716	Tip 3/32 inchface diam 45° tapered bevel 2⅛ inch x 3/16 inch shaft diam	C	No	1
3439	66–015–9719	Tip 3/16 inch face diam 45° bevel ..	C	No	1
3439	66–023–1668	Sponge, tip wiping	C	No	1
3439	66–023–9066	Desoldering iron electric	P	No	1
3439	66–024–5337	Tip electric soldering	C	No	1
3439	66–024–5338	Tip electric soldering	C	No	1
3439	66–024–5341	Tip electric soldering	C	No	1
3439	66–025–0966	Tip electric soldering	C	No	1
3439	66–027–9306	Tip electric soldering	C	No	1
3439	66–027–9307	Tip electric soldering	C	No	1
3439	66–027–9308	Tip electric soldering	C	No	1
3439	66–027–9309	Tip electric soldering	C	No	1
3439	66–028–5373	Soldering iron electric	P	No	1
3439	66–029–2406	Solder resin cored 2% silver loaded..	C	RL	1
3439	66–029–2410	Dispenser non-spill	P	No	1
3439	66–029–2513	Tip electric soldering	C	No	1
3439	66–029–2514	Cleaner wire, soldering aid ..	P	No	1
3439	66–029–2528	Tip electric soldering	C	No	1
3439	66–029–2529	Tip electric soldering	C	No	1
3439	66–029–2530	Tip electric soldering	C	No	1
3439	66–030–2659	Tip electric soldering	C	No	1
3439	66–030–2662	Tip electric soldering	C	No	1
3439	66–030–2663	Tip electric soldering	C	No	1
3439	66–030–2868	Solder Lead Tin alloy	C	RL	1
3439	66–030–2907	Tip electric desoldering	C	No	1
3439	66–032–6360	Shield, protective, desoldering tool ..	P	No	1
3439	66–032–6361	Resistance, soldering unit	P	No	1
3439	66–032–6362	Pump desoldering	P	No	1
3439	66–033–3030	Tip electric soldering	C	No	1

Group Class	Cat No	Item Name	Acctg Class	DQ	Qty
3439	66–033–3021	Solder resin-cored 60/40 28 SWG	C	RL	1
3439	66–033–3043	Tip electric soldering	C	No	1
3439	66–033–6443	Tip electric soldering	C	No	1
3439	66–033–6444	Tip electric soldering	C	No	1
3439	66–034–1981	Wick desoldering	C	RL	1
3439	66–034–1982	Wick desoldering	C	RL	1
3439	66–034–1983	Wick desoldering	C	RL	1
3439	66–034–1984	Wick desoldering	C	RL	1
5110	66–028–5383	Pliers	P	No	1
5110	66–028–5384	Pliers	P	No	1
5110	66–028–5392	Pliers cutting	P	No	1
5110	66–028–5393	Scissors	P	No	1
5110	66–032–6363	Wire stripper thermal	P	No	1
5110	66–032–6364	Pliers cutting	P	No	1
5120	66–035–9396	Pot, melting electric	P	No	1
5120	66–024–9142	Holder, printed circuit board	P	No	1
5120	66–028–5378	Tweezers craftsmens	P	No	1
5120	66–028–5379	Tweezers craftsmens	P	No	1
5120	66–028–5380	Tweezers craftsmens	P	No	1
5120	66–028–5386	Pliers	P	No	1
5120	66–028–5387	Mirror inspection	P	No	1
5120	66–028–5396	Vice, pin	P	No	1
5120	66–028–5397	Tool set, braid extractor	P	No	1
5120	66–029–2401	Vice	P	No	1
5120	66–032–6358	Blower, hand	P	No	1
5120	66–028–5399	Tool, wire stripping	P	No	1
5120	66–032–6365	Pliers	P	No	1
5120	66–032–6366	Retriever, clamp	P	No	1
5120	66–032–6367	Retriever, clamp	P	No	1
5120	66–032–6369	Pliers	P	No	1
5120	66–032–6370	Pliers	P	No	1
5140	66–032–6368	Tool box portable	P	No	1
5180	66–028–5394	Tweezers set	P	No	1
5180	66–028–5395	Tool set deburring	P	No	1
5180	66–029–2402	Tool set solder aid	P	No	1
5180	66–029–2403	Tool set heat sink	P	No	1
5180	66–029–2404	Tool set heat sink	P	No	1
5180	66–029–2407	Tool set solder aid	P	No	1
5180	66–035–4328	Jig forming electronic components	P	No	1
5950	66–028–5390	Transformer 240V, AC to 12V 5 amps	P	No	1
6650	66–032–6355	Magnifier	P	No	1
6650	66–032–6357	Magnifier	P	No	1
6810	66–029–2405	Flux, resin	C	No	1

Group Class	Cat No	Item Name	Acctg Class	DQ	Qty
6810	66–029–2408	Solvent, flux remover	C	No	1
6810	66–029–2409	Solvent, cleaning	C	No	1
6810	66–029–2412	Epoxy resin kit	C	No	1
7510	66–010–3496	Shield, erasing, metal typiste	C	No	1
7510	66–036–1799	Eraser rubber	C	No	1
7920	66–033–3018	Brush acid swabbing	C	No	1
8030	66–028–5391	Sealing compound	C	No	1
9160	66–030–2874	Oil Special	C	QT	1
9320	66–032–6372	Rubber sheet	P	No	1
5950	66–035–9395	Transformer 115V, AC to 12V 2.5 amps	P	No	1

(DSAP 505/251/166)

UNCLASSIFIED

388/70—Precautions on Converting RAN Screw-down Sea Water Valves to Non-return Action

1. One of the features of the new series of RAN screw-down valves is that they can be easily modified for non-return action by removing the disc securing pin.

2. It is essential that when the pin is removed the valve identification pad details are amended accordingly, ie, *alter* the defence stock number according to Table I and *add* NR after SD:

Table I

Sea Water Valves: Defence Stock Numbers

Valve Description	*Defence Stock Number*	
	Screw-Down (Disc pin fitted)	*Screw-Down, Non-Return (Disc pin not fitted)*
½ inch Globe Valve (Screwed Ends)	4820–66–029–6451	4820–66–036–5963
¾ inch Globe Valve (Screwed Ends)	4820–66–029–6452	4820–66–036–5964
1 inch Globe Valve (Screwed Ends)	4820–66–029–6453	4820–66–036–5965
1¼ inch Globe Valve (Screwed Ends)	4820–66–029–6454	4820–66–036–5966
1½ inch Globe Valve (Screwed Ends)	4820–66–029–6455	4820–66–036–5967
½ inch Globe Valve (Flanged Ends)	4820–66–029–6456	4820–66–036–5968
¾ inch Globe Valve (Flanged Ends)	4820–66–029–6457	4820–66–036–5969
1 inch Globe Valve (Flanged Ends)	4820–66–029–6458	4820–66–036–5970
1¼ inch Globe Valve (Flanged Ends)	4820–66–029–6459	4820–66–036–5971
1½ inch Globe Valve (Flanged Ends)	4820–66–029–6460	4820–66–036–5972
2 inch Globe Valve (Flanged Ends)	4820–66–029–6461	4820–66–036–5973
2½ inch Globe Valve (Flanged Ends)	4820–66–029–6462	4820–66–036–5974

Valve Description	*Defence Stock Number*	
	Screw-Down (Disc pin fitted)	*Screw-Down, Non-Return (Disc pin not fitted)*
3 inch Globe Valve (Flanged Ends) ..	4820–66–029–6463	4820–66–036–5975
3½ inch Globe Valve (Flanged Ends) ..	4820–66–029–6464	4820–66–036–5976
4 inch Globe Valve (Flanged Ends) ..	4820–66–029–6465	4820–66–036–5977
5 inch Globe Valve (Flanged Ends) ..	4820–66–029–6466	4820–66–036–5978
6 inch Globe Valve (Flanged Ends) ..	4820–66–029–6467	4820–66–036–5979
¾ inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6468	4820–66–036–5980
1 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6469	4820–66–036–5981
1¼ inch Right-Angle Valve (Flanged Ends)..	4820–66–029–6470	4820–66–036–5982
1½ inch Right-Angle Valve (Flanged Ends)..	4820–66–029–6471	4820–66–036–5983
2 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6472	4820–66–036–5984
2½ inch Right-Angle Valve (Flanged Ends)..	4820–66–029–6473	4820–66–036–5985
3 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6474	4820–66–036–5986
3½ inch Right-Angle Valve (Flanged Ends)..	4820–66–029–6475	4820–66–036–5987
4 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6476	4820–66–036–5988
5 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6477	4820–66–036–5989
6 inch Right-Angle Valve (Flanged Ends) ..	4820–66–029–6478	4820–66–036–5990

(DSD 465/201/631)

UNCLASSIFIED

389/70—Security Aids—'Unclassified Waste' Labels

1. To assist in the segregation of classified and unclassified waste, adhesive labels reading 'UNCLASSIFIED WASTE' in red letters on a white background are available for issue on demand to HMA ships and establishments from SVSO, Sydney. The labels have been catalogued as follows:

Group Class	*Catalogue No*	*Description*
7690	66-032-6772	Label 'Unclassified Waste'

2. Two labels are to be affixed to each UNCLASSIFIED waste paper bin, one on the outside and the other on the inside immediately behind the first. IMPORTANT. Exposure to atmospheric conditions will adversely effect the adhesive. The labels should therefore be affixed as soon as possible after receipt. The inside and outside surface of the bin should be wiped clean before fixing as the labels will not adhere properly unless this is done.

(SEO (S) 1617/5/11)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 390/70-401/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
3 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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21137/70

CONTENTS

Section 1
ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

390/70—Safety Precautions—Insecticides and Chemicals Used in Pest Control

1. In an incident in one of HMA ships a sailor had to be discharged to hospital after drinking a beverage poured from a food utensil which had been used to mix an insecticide.

2. All personnel should be familiar with the following basic safety precautions:

a. *General.* Most chemicals used in pest control are poisonous in some degree to man. Poisoning may occur by swallowing or inhaling these substances, or in some cases through contact with the skin.

b. *Storage.* Pest control materials should always be kept in their original labelled containers preferably stored under lock and key and be available only to persons trained in their use. They must be stored apart from foodstuffs and food containers.

c. *Usage.* Sprays with kerosene or other petroleum derivative base are highly inflammable and must not be used in rooms where fires or stoves are burning. Powders, liquids and sprays containing insecticides must not be used where they can contaminate food or utensils. If accidental contamination does occur, contaminated food must be destroyed and contaminated utensils thoroughly cleansed with steam or boiling water before use.

d. *Protective Clothing and Equipment:*

(1) A mask covering the nose and mouth should be worn during dry mixing of chemicals.

(2) Protective clothing, goggles and oil resistant gloves will be worn when handling of poisons in kerosene or other organic solvents is necessary. After completion of the operation the hands should be thoroughly washed. Smoking is forbidden when handling poisons.

(3) Respirators, protective clothing and gloves will be worn when using powders, sprays and mists, when inhalation or skin contamination may occur. A shower of at least five minutes duration should be taken on completion of such work.

3. This order will be reprinted for posting on notice boards.

4. Navy Order 337/67 is hereby cancelled.

(MDG 327/53/151)

(*Navy Order 337/67*)

391/70—NAVY ORDER 391/70 WILL NOT BE ISSUED

Section 2
PERSONNEL

UNCLASSIFIED

392/70—Abolition of the Term 'Discharged Dead'

The Naval Board have decided that the term 'Discharged Dead' is to be no longer used in reports or records referring to the death of a member of the Navy. The term 'Deceased' is to be used in its stead.

(HPB 320/1/3)

UNCLASSIFIED

393/70—Aircrewman Category of the Naval Airman Branch

General Conditions

1. Consequent upon a need to interchange equipment operators in flight in the Tracker aircraft it has been decided that sailors from the RP categories will no longer be required to transfer to the Aircrewman Category of the Naval Airman Branch. Seaman sailors from the UC category may still volunteer for transfer to the Aircrewman Category provided they possess the following qualifications:

a. be a Leading Seaman, or Able Seaman who has passed the Promotion Board for Leading Seaman with the exception of Seamanship;
b. be under 26 years of age on selection for course;
c. medical category B1 (as for Observer);
d. have passed Swimming test;
e. have passed ET1 and Standard NBCD;
f. be recommended.

Applications

2. Applications for transfer, including Certificate of Service and medical documents, are to be forwarded to Navy Office in the normal manner.

Re-engagement

3. Sailors who are selected for transfer will be required to re-engage in accordance with Group C. RI Article 0824 refers.

Duties

4. The duties of Aircrewman sailors are as follows:

a. crew member of rotary wing ASW aircraft;
b. SAR winching, FRU and target towing duties; and
c. administrative and instructional duties as required.

Initial Training and Categorisation

5. Sailors selected for transfer to the Aircrewman category will be posted to HMAS ALBATROSS for the Petty Officer Airman Aircrewman promotion course, training in rotary wing aircraft. Able rank sailors will be promoted to Provisional Acting Leading Seaman on the date the course commences. Sailors will be recategorised Acting Leading Airman Aircrewman or Leading Airman Aircrewman, as appropriate, from the date of successful completion of the course.

Failures

6. Training failures will resume their normal category duties, and Provisional Acting Leading Seamen will revert to their previous rank.

Promotion to Special Duties List

7. Promotion of Aircrewman sailors to the Special Duties List will be to Acting Sub-Lieutenant SDAV, in accordance with current regulations.

Sailor Aircrewman Badge

8. On successful completion of the POACM course sailors will be awarded the Sailor Aircrewman Badge.

9. The Sailor Aircrewman Badge is to be worn on blue and white uniforms in the position prescribed in the Uniform Regulations. Badges of rank are to be worn in addition to the Aircrewman badge, but no other category badge is to be worn.

10. Aircrewmen will normally continue to wear the badge for the remainder of their service as sailors or officers whether employed on aircrew duties or not. However, if the holder is removed permanently from flying duties for disciplinary or other reasons within his control, the badge may be withdrawn subject to Naval Board approval in each case.

Flying Pay

11. Flying pay will be paid to qualified Aircrewmen from the date of successful completion of the POACM course, in addition to Supplementary Flying Pay (subject to NPI 119A/1) and Active pay and allowances appropriate to their rank and seniority.

12. An Aircrewman sailor who becomes unfit or unable to carry out the flying duties subsequent to qualification may, dependent upon circumstances, revert to his previous category provided that no more than six years have elapsed since qualifying as Aircrewman; after six years a sailor may continue to be employed in non-flying duties as an Aircrewman. Flying pay is not payable where an Aircrewman is no longer required for flying duties.

13. Navy Order 775/68 is hereby cancelled.

(DGT 303/221/87)

(Navy Order 775/68)

UNCLASSIFIED

394/70—Programme of Professional Tests for Promotion to SD List—November 1970-March 1971

1. The tentative programme of professional tests in the Royal Australian Navy to be conducted from Navy Office during the period 17 November 1970 to 17 March 1971 is shown in Paragraph 3 of this order.

2. Applications for these tests are to reach Navy Office one month in advance:

3.

Test	*Date of Test*
Supply Sub-Lt (S) and (W) ..	Tuesday 17 and Wednesday 18 November 1970
Eng Sub-Lt (ME) and MECH)	Wednesday 2 and Thursday 3 December 1970
Ship Sub-Lt	Wednesday 24 and Thursday 25 February 1971
Eng Sub-Lt (AE)	Tuesday 2 and Wednesday 3 March 1971
El Sub-Lt (L) (R) (AL) (AR)	Tuesday 2 and Wednesday 3 March 1971
Ward Sub-Lt	Tuesday 16 and Wednesday 17 March 1971

4. This order will be reprinted for posting on notice boards.

5. Navy Order 509/69 is hereby cancelled.

(HPB 312/6/5)

(Navy Order 509/69)

UNCLASSIFIED

395/70—Reunion Fares for Children of Members who have been posted Overseas on Long Term Duty

1. The adult wage for assessing re-union visits in accordance with the provisions of NPI 240B/1 has been varied from $2,600 per annum to $3,000 per annum.

2. NPI 240B/1 Paragraphs 7 and 8 should be noted pending amendment.

(HPB 252/4/64)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

396/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 241 (Ex TDL 'FK').

a. *Item:* 'To fit two in number deck scuttles (Emergency escape, flush deck type to Navy Office Drawing 0/3549) in 4D section at frame stations 40-41 port side 12 feet from centre line and frame stations 39-40 starboard side 21 feet 6 inches from centre line. Wire rope ladders to be provided under both to provide escape routes from 5D port and starboard messes.'

b. No weight compensation is expected for the additional 50 lb weight involved in view of the safety aspect of the item.

c. *Reference:* HMAS MELBOURNEs Form AS1182 (TM168) TDL 'FK' dated 7 August 1969 forwarded under cover of FOCAF Memorandum dated 1 September 1969.

(CNTS 1213/52/850)

UNCLASSIFIED

397/70—Ammunition—Pyrotechnics—Fuze 848 Mark 7 for Flare Aircraft Reconnaissance 4.5 inch—Withdrawal

(DCI (RN) 56/69)

1. *Item* .. .. SR366004 Fuze 848 Mark 7 for Flare A/C Reconnaissance 4.5 inch No 1 Mark 1 or No 2 Mark 1.

2. *Information* .. .. .. Defect reports have shown that Fuzes 848 Mark 7 now has an unacceptably high failure rate.
Fuzes 848 Mark 8 are to replace the Mark 7.

3. *Action* .. .. .. All Mark 7 Fuzes are to be withdrawn from service.
Procurement action has been taken to obtain the necessary quantities of Fuzes 848 Mark 8 for the stocks of Flares Reconnaissance 4.5 inch No 1 Mark 1 held in the RAN and will be available for issue from RANAD, Newington, in the near future. Upon exhaustion of present stocks of Flares Aircraft Reconnaissance 4.5 inch No 1 Mark 1, no further replenishment will be made of this store.

4. *RANADs only* .. .. .. CL (Air) No 391 refers.

(DAS 727/56/150)

UNCLASSIFIED

398/70—Emergency Air Supply Equipment (EASE) Amended Pressures

1. It has been determined that the figures used in calculation of the test and working pressures for the cylinder, compressed gas 4 litre aluminium, 3,000 PSI were assumed to be British Standard but are in fact Continental Standard.

2. The following amendments are to be made to Navy Order 90/70:

a. Paragraph 3 Stock number 4330-66-034-3214 *amend* 3,000 PSI *to read* 2,850 PSI;

b. Paragraph 5b. *amend* 4,500 PSI *to read* 4,300 PSI, 3,000 PSI *to read* 2,850 PSI, and 28 cubic feet *to read* 27.5 cubic feet;

c. Paragraph 6b. *amend* 2,500 PSI *to read* 2,300 PSI;

d. Paragraph 10 *delete* the word 'fully' from the last sentence and *add* 'having calculated endurance this figure is to be reduced by 5 per cent to allow for the maximum working pressure of 2,850 PSI'.

(DUW 512/74/367)

UNCLASSIFIED

399/70—Introduction of Expendable Bathythermograph (XBT)

1. A new type of Bathythermograph will shortly be introduced into service in the Fleet. This system is intended to replace the existing mechanical winch, outrigger, etc, except in HMA Ships MORESBY, DIAMANTINA and KIMBLA where the mechanical bathythermograph will be retained for Oceanographic Survey purposes in addition to the XBT System.

2. Ships fitted with the XBT System will have an annual allowance of 600 probes. An initial allowance of 150 probes will be issued to each ship. The probe allowance will be re-assessed after the equipment has been in operation for about 18 months.

3. The XBT System was developed by the SIPPICAN CORPORATION, MASSACHUSSETTS, USA. It is also manufactured under licence in the UK by Plessey Electronics who will be supplying the initial systems for the RAN. The XBT System is in use in the US Navy (AN/SSQ-56) and is being introduced into the RAN (Sonar Type 2015). The RAN XBT System will use the nomenclature 'Bathythermograph Set AN/SSQ-56'.

4. The AN/SSQ-56 has a simple launching arrangement to release an expendable probe. A measurement of temperature is signalled back continuously to the ship over a fine insulated wire and is recorded as a temperature (degrees centigrade/depth (metres)) plot on a recorder sited in the Operations Room or Bridge. The expendable probes have a known constant sinking speed and this enables depth to be recorded as a function of time. The AN/SSQ-56 will operate at ships speeds of 0 to 30 knots and has a depth range of 1,500 feet (about 457 metres), taking 90 seconds to complete a temperature profile. During this time no restriction is imposed upon ships with respect to speed. If the launcher, a portable item to be clamped to a convenient stanchion, is mounted over the stern there are no restrictions on course or speed.

5. XBT records are to be marked in letters and figures about ¼ inch high, in soft pencil, alongside the trace but clear of it, with the following particulars:

Name of Ship
Consecutive number of observation on the role
Greenwich Mean time and Date
eg YARRA:
39:
190547 Nov 70.

The log sheet is to be filled in at the same time and is to contain identical information to that on the trace, and in addition, the position of the observation—in degrees and minutes of latitude and longitude, and the sea surface reference temperature as obtained from bucket or injection.

Note: The new print of NODC Log Sheets has dispensed with the Meteorological information formerly required, due largely to its unreliability.

6. Extreme care must be exercised when handling probe canisters and record rolls as they can both be damaged beyond use by rough handling. The dropping of a canister, even from the height of a foot or two can render it unserviceable.

7. When completed, rolls should be carefully packed (a clean, dry, empty canister is suitable), and, with the relevant log sheets, sent to the Hydrographer. If possible, they should be delivered by hand.

8. A manufacturers handbook will be supplied without demand on first fitting of the parent recorder.

(DFM 1224/52/392)

UNCLASSIFIED

400/70—Naval Stores—Group/Class 0243—Fire Extinguisher Equipment—Standardisation of Fire Extinguishers in HMA Ships and Commissioned Establishments

1. The Naval Board have decided that fire extinguishers in all HMA ships and commissioned establishments are to be standardised as soon as practicable, as follows:

a. *Water Extinguishers* ..	Gas/Water 0243/72720.
b. *Foam Extinguishers* ..	Air Foam 0243/L80767.
c. *CO^2 Extinguishers* ..	'Squeeze Grip' Operated: 0243/12720—2½ lb. 0243/47380—12 lb. 4210-66-018-0090—7½ lb.

2. Demands to effect standardisation are to be placed on Superintending Naval Store Officer, Sydney. Supply will be effected, as stocks become available, in the following priorities:

a. HMA ships b. commissioned establishments (establishments having a primary training role will receive priority)	A complete changeover to be effected at the one time as stocks become available.

3. When the changeover is completed, superseded items are to be returned to Superintending Naval Store Officer for disposal in accordance with current instructions.

4. Relevant Allowance Lists will be amended in due course.

(DSAP 505/87/22)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

401/70—Form TW141 Equipment Movement Record

1. Form TW141 Equipment Movement Record has been introduced to facilitate updating of the Records held at Navy Office for the location and modification state of ship installed types of equipment and machinery fitted in ships and establishments. Form TW141 is available from SVSO in pads of 100. Whenever equipment or machinery is removed permanently from a ship or establishment, the same equipment is returned after modification, or replacement equipment is installed, a copy of Form TW141 is to be forwarded, without delay, to The Director of Fleet Maintenance (MS), Navy Office, Canberra. Users of the form should retain duplicate copies for Record purposes.

2. Attention is drawn to Paragraph 6 of Navy Order 61/70, requiring, where applicable, a modification/repair advice note label (LB163) to be attached to items of equipment returned to storing authority.

(DFM 464/78/79)

(*Navy Order 61/70*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra
21137/70—2

HISTORIAN

ANOs 402/70-417/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
8 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21340/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

402/70—Preparation and Certification of Accounts

1. The co-operation by a concerted effort of the staffs of the Supply and Secretariat Branch and departmental Authorising Officers is sought to improve the standard of preparation and processing of accounts in HMA ships to conform with requirements as laid down in NAM Article 183.

2. Errors, omissions and irregularities in the accounts forwarded to departmental Authorising Officers under the provisions of NAM Article 189 can result in time consuming investigations and consequential delays in payment. It is essential that accounts be correctly prepared, checked and properly certified in HMA ships and commissioned establishments to conform with Treasury Regulations. Unsatisfactory features have been the subject of adverse criticism by Commonwealth Auditor-General.

3. Particular attention of all accounts staff is to be drawn to the following general rules associated with the preparation and processing of accounts which should be complied with on all occasions:

a. *Period Contracts*

(1) Supplies and services as a standard practice are to be obtained under period contracts arranged by the Department and only in exceptional cases should supplies be necessary from other than approved contractors (ABR 4 Article 2803 (2) and ABR 93 Chapter 3 (3)(2) refer).

(2) In all cases the appropriate Requisition/Purchase Order should be raised and the reference to the serial number quoted on the face of the account. NAM Article 191 also requires that the account number should be noted on the Requisition.

(3) In addition the period contract number should be endorsed on the account and if, in the exceptional case a purchase or service was obtained other than through a period contract, an indication is to be made on the account to the effect that the purchase was made by obtaining quotations if the cost is in excess of $50.

(4) In the next reprint of Form FA119 provision will be made for a column in which are to be inserted the references similar to the format of Form FA132.

b. *Rates of Charge*

(1) Accounts are required to show the exact dates or periods and rates of service or supply and the names of the locations or ships in respect of which the expenditure was incurred (NAM Article 183 (1)(c) and (d) are relevant).

(2) In this regard it is essential to verify that the charge is in accordance with the rates as provided in the current period contract and that the total amount of the claim is accurately calculated and correct.

(3) If the invoice indicates a rate other than that provided in the period contract, claims should be processed in accordance with the terms of the period contract and the supplier immediately advised of the details of the variation made to the invoice in processing the claim.

c. *Supporting Documents*

(1) Instructions provide as an exception rather than the rule for accounts for provisions to be processed without attachment of invoices/delivery documents when a ship is proceeding to sea and an unacceptable delay would occur in settlement of the account at the end of the month.

(2) However, in such cases it is essential that a ship which processes accounts in the absence of invoices/delivery documents should arrange as early as practicable for their dispatch to the paying authority for attachment to the relevant voucher (NAM Article 193 refers).

(3) Instances can occur when duplicate invoices/statements are received in HMA ships and unless careful scrutiny is made and the required checks and endorsements on records are effected duplication in certification of accounts for payment could result.

(4) In only exceptional cases should it be found necessary to certify an account for payment supported by other than the purchasers copy of the invoice/statement. Such payments should be certified only after it been clearly established by examination of the Register of Accounts that the original invoice/statement has been lost/mislaid and account not previously paid.

(5) The payment voucher forwarded to the departmental Authorising Officer should indicate in the body of the account the reason for certification in the absence of the original invoice/statement.

(6) Claims for travel, excess baggage and freight require in all cases to be supported by the original warrant.

d. *Delays in Payment*

(1) Some delays in effecting payment of accounts are unavoidable due to the processing through a parent ship or base and the departmental Authorising Officer located at a Naval Staff Office in the various States.

(2) However, undue delay in settlement of accounts can result in loss of discount where allowed under the terms of a contract. Such delays can be kept to a minimum by HMA ships and commissioned establishments adopting the practice that all accounts are processed and dispatched as far as practicable on a daily basis. Accounts for which discount is allowed should be tabbed 'DISCOUNT' in order that processing can be given priority treatment.

e. *Certification of Accounts*

(1) The responsibilities of Certifying Officers (Captains/Supply Officers) in certifying accounts in accordance with Section 34 (1) of the Audit Act are set out in Treasury Regulation 45.

(2) Instructions in NAM Article 187 (2) require the rate of charge and faithful performance certificate to be signed by a responsible officer of the Supply Branch as evidence of the correctness of the claim to the 'Certifying Officer'. In this regard correctness of claim means that the account has been prepared in accordance with the requirements of NAM Article 183.

(3) Provision is made on Form FA119 for a separate certificate to be given for 'faithful performance', ie, service rendered or supply received

and taken on charge and such certificate should be signed on all occasions either by the appropriate person or by the 'responsible officer of the Supply Branch' based on evidence produced to him and supporting the claim.

(4) The principle to be observed by the Supply Officer in examining accounts is that all essential details and references to authority, etc, are checked and independently re-checked. The various stages of check should be noted on the accounts and initialled by the checking officers. Every document supporting the claim should be marked, perforated or stamped in such a manner as to provide a means of detecting the representation of any such document in support of another claim.

f. *Disposal of Accounts*

(1) The Authorising Officers to whom accounts are to be forwarded for payment are set out in NAM Article 189 (2). The general principle is that accounts for any supplies or services obtained by HMA ships from a particular State are to be rendered to the ship for certification and then forwarded for payment to the Authorising Officer in the State where the expenditure was incurred.

(2) The only exception to this principle is payment of claims for travelling warrants, excess luggage warrants and freight/consignment notes actually issued from warrant books held in HMA sea-going ships. Such warrants are to be endorsed for claims to be rendered on and paid by Director of Navy Accounts (NAM Article 202).

(204/51/110 DNA)

UNCLASSIFIED

403/70—Services Suggestion Scheme

Navy Order 22/69 is to be amended as follows:

Paragraph 5, Class C:

Delete last sentence of existing paragraph and *insert* the following *in lieu:*

'Encouragement awards of either $5 or $10 may be paid'.

Paragraph 7:

Delete from the first sentence of the existing paragraph the amount of '$10' and *insert* '$11' *in lieu.*

(148/1/2 DOM)

(*Navy Order 22/69*)

Section 2

PERSONNEL

UNCLASSIFIED

404/70—Nomination of Religious Faith

1. Approval has been given for members of the RAN to nominate as their religion either Catholic or Roman Catholic.

2. The EDP programmes have been amended to accept a nomination of Catholic and Code No 53 has been allocated for inclusion in the table to ABR 5063 Article 3069 for this purpose.

3. Members who wish their religion to be recorded as Catholic rather than Roman Catholic should advise the ships office in order that the change can be reported in accordance with the above article.

4. An additional abbreviation of CATH has been introduced for use on identification tags.

5. RI Article 1003 will be amended in due course.

6. This order will be reprinted for posting on notice boards.

(351/30/2495 HPB)

UNCLASSIFIED

405/70—Posting, Compassionate Leave and Discharge Procedure

The heading of Paragraph 87 of Navy Order 278/70 is to be amended *to read* 'Confidential Nature of Social Workers Reports'.

(333/201/265 DPS (A))

(*Navy Order 278/70*)

UNCLASSIFIED

406/70—Scale of Fees for Dental Treatment by Civilian Dentists

1. The following scale has been approved by Treasury as the maximum fees allowable in respect of dental treatment by civil practitioners. This scale is to be applied in the recovery of the cost of treatment given to personnel of other Navies. These fees are operative on and from 1 January 1970.

2. Members on leave, detached duties, or otherwise living out are to obtain dental treatment through Service sources. The Department will be responsible for the cost incurred by members for private dental treatment only in cases where the treatment was for urgent relief of pain or the urgent repair of dentures. In the latter case costs will be accepted only in very exceptional circumstances and subject to Navy Office approval.

3. Members entitled to treatment under the provisions of Paragraph 2 above should not pay the account but should have it forwarded to the Supply Officer of the ship in which they are borne for pay. If it is more convenient, however, payment may be made by the member and reimbursement claimed on return to his ship or establishment, on production of receipted accounts.

4. Where possible, the services of civil dentists prepared to act at fees as promulgated in this Navy Order are to be utilised. Paragraph 6 below refers.

Item	*Fee* $
a. *Consultation and Report*	
Consultation and examination (when specifically requested) and submission of report:	
(1) Local dental officer	3.35
(2) Orthodontist and periodontist	6.60

Item	*Fee* $
(3) Dental specialist	6.60
(4) Subsequent visits for (2) and (3)	4.15
b. *Preventive Dentistry*	
(1) Prophylaxis:	
(a) Deciduous, limited to one visit	3.40
(b) Permanent, limited to one visit	5.20
(2) Topical Fluoride Application (subject to prior approval): For application, maximum of three applications	5.20
c. *Conservative Dentistry*	
(1) Restoration:	
(a) Amalgam:	
one surface	4.25
two surfaces	5.50
three surfaces	7.00
(b) Synthetic porcelain and plastic restoration	5.50
(2) Gold inlays—to be done only if prior approval of the Medical Director-General or his authorised representative is obtained regarding work, and fee not to exceed	25.00
(3) Crowns and Bridgework—to be done only if prior approval of the Medical Director-General or his authorised representative is obtained regarding work and fee.	
d. *Endodontics*	
(1) Removal of pulp and root filling:	
(a) Anterior teeth	10.00
(b) Posterior teeth—fee to be negotiated.	
(2) Treatment of infected pulp and root filling (per tooth):	
(a) Anterior teeth	16.50
(b) Posterior teeth—prior approval of the Medical Director-General or his authorised representative is to be obtained regarding work and fee.	
(3) Pulpotomy	3.80
e. *X-rays*	
(1) X-rays (and where required a written report), up to two films	3.00
(2) Each additional film	1.05
(3) Full mouth—14 films	14.90
(4) Extra oral—lateral (each side)	5.60
f. *Sedative Dressings*	
Emergency treatment for relief of pain or control of haemorrhage (maximum of two treatments)	2.00
g. *Exodontics*	
(1) Extractions under local anaesthesia:	
(a) one tooth	3.20
(b) each additional tooth	1.40

Item	Fee $
(2) Extractions under general anaesthesia—prior approval of the Medical Director-General or his authorised representative is to be obtained:	
(a) multiple extractions performed in a hospital by a local dental officer:	
minimum (up to four teeth)	19.45
maximum (five or more teeth)	25.00
(b) multiple extractions in surgery (only under special circumstances):	
minimum (up to four teeth	11.10
maximum (five or more teeth)	14.25
h. *Prosthetics*	
(1) Dentures:	
(a) Full upper or lower	54.00
(b) Full upper and lower	96.00
(c) Partial dentures:	
1 tooth	23.00
2 teeth	24.80
3 teeth	26.60
4 teeth	28.40
5 teeth	31.50
6 teeth	31.90
7 teeth	32.30
8 teeth	32.70
9 teeth	33.10
10 teeth	35.20
11 teeth	35.50
12 teeth	35.80
per clasp	2.50
occlusal rest where not used as part of clasp	1.20
(d) Cast-metal dentures—prior approval of the Medical Director-General or his authorised representative is to be obtained:	
1 tooth	28.50
2 teeth	30.30
3 teeth	32.10
4 teeth	33.90
5 teeth	37.00
6 teeth	37.40
7 teeth	37.80
8 teeth	38.20
9 teeth	38.60
10 teeth	40.70
11 teeth	41.00
12 teeth	41.30
(plus the cost of casting-fee by negotiation).	
Note: Clasps are regarded as an integral part of the casting.	

Item	Fee $
(e) Relining (processed) lower	18.00
(f) Remodelling full upper or lower	26.50
(g) Remodelling part denture of more than four teeth	21.00
(h) Remodelling part denture of four teeth or less	13.25
(i) Rebasing (processed) upper	23.00
(j) Rebasing by use of functional impression technique (eg, hydrocast)—prior approval of the Medical Director-General or his authorised representative is to be obtained regarding work and fee:	
• where treatment necessary for both upper and lower dentures—maximum fee payable	26.50
• where treatment necessary for upper or lower denture—maximum fee payable	13.25
Notes: 1. For partial dentures, the following definition of rests and clasp will apply.	
2. Occlusal rests, whether in cast or acrylic dentures will be regarded as an integral part of the basic denture structure.	
3. A clasp, whether it has one, two or three arms, will be regarded as one clasp for the purpose of assessment.	
(2) Repairs to dentures:	
(a) Ordinary fractures	5.40
(b) Replacement of one tooth (or clasp)	5.40
Each additional unit	2.30
Where impression required	6.50
(c) Addition of new tooth (or clasp)	8.00
Each additional unit	3.00
(d) Cast-metal dentures—fee as (a), (b) and (c) above, plus cost of any casting necessary for repair or addition. (Fee for casting by negotiation.)	
i. *Periodontics*	
(1) Acute:	
(a) Gingival infection—first visit	5.00
(b) Subsequent visits—negotiated fee with maximum for whole treatment of	16.00
(2) Chronic:	
Prior approval of the Medical Director-General or his authorised representative is to be obtained regarding work and fee. Fee to be fixed by negotiation with maximum fees for full periodontal treatment, when provided by a specialist periodontist, of:	
• full gingivectomy	90.00
• full periodontal surgery involving gum flap and osseous surgery	190.00

Item	Fee $
j. *Orthondontics*	
To be done only if prior approval of the Medical Director-General or his authorised representative is obtained regarding work and fee.	
Fee to be arranged by prior negotiation—maximum fee payable ..	320.00
k. *Oral Operations*	
To be done only if prior approval of the Medical Director-General or his authorised representative is obtained regarding work and fee:	
(1) Minor—to be done only by an approved dentist	11.50 to 16.50
(2) Major—fee to be fixed by prior negotiation.	
l. *Miscellaneous*	
Specialised treatment where a fee is not specified—fee to be arranged by prior negotiation but prior approval of the Medical Director-General or his authorised representative is to be obtained regarding work and fee.	
m. *New Guinea*	
A surcharge of 15 per cent to be payable for dental treatment provided in the New Guinea area.	

5. The authorised representatives of the Medical Director-General are the Senior Dental Surgeon, HMAS CERBERUS, The Command Dental Surgeon, East Australia Area, and the Fleet Dental Officer, HMAS MELBOURNE.

6. Administrative Authorities are to maintain lists of local dental practitioners who are prepared to act at the above fees and promulgate in local orders. Copies of these lists are to be referred to Navy Office.

7. Mileage and Travelling Allowance:

a. A dental practitioner who uses his own vehicle to attend dental examinations will be paid a mileage allowance of 25 cents for each half mile or part thereof beyond a 3 mile radius from the practitioners surgery or residence (one way only).

b. A dental practitioner who does not use his own vehicle but is provided with Departmental transport will be entitled to payment of an allowance of $1.05 per half hour in respect of travelling time to and from the place where the service is performed.

8. Navy Orders 19/68, 244/68 and 781/68 and 307/69 are hereby cancelled.

(327/61/26 MDG)

(Navy Orders 19/68, 244/68, 781/68 and 307/69)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

407/70—Alteration and Addition Item—HMAS BANKS

The following Alteration and Addition Item is approved to be carried out in HMAS BANKS:

Class List Item No 18 (Ex TDL '4/70').

a. *Item:* 'To fit deck refilling position to 120 gallon lubricating oil tank (on centre line between frames 8 and 10). The deck fitting to be positioned between frames 8 and 9, 31 inches to Port of centre line and 6 inches forward of frame 8* on upper deck.'

Note: * BANKS frames number from Aft to Frd.

b. Weight compensation is considered to be negligible.

c. *Reference:* HMAS BANKS Form TM168 (AS1182) TDL '4/70' dated 23 March 1970.

(1236/53/132 CNTS)

UNCLASSIFIED

408/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 211 (Ex TDL 'BJ').

a. *Item:* '(1) Paralleled shore supply box from J2 shore supply box 3GZ2 outer bulkhead to be fitted at 3H3 station 88.

(2) 4K shore supply box 3M2 to be fitted at 3M3 station 129.'

b. No weight compensation is required.

c. *Reference:* HMAS MELBOURNEs Form TM168 (AS1182) TDL 'BJ' forwarded under cover of FOCAF Memorandum dated 23 April 1969.

(1213/252/255 DFM)

UNCLASSIFIED

409/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 252 (Ex TDL 'FQ').

a. *Item:* 'To improve pumping arrangements in bathrooms as follows:

(1) 5 (c) Junior Sailors Bathroom—Fit additional sump in forward end with self-priming pump fitted with automatic controls.

(2) Fit automatic controls to self-priming pumps fitted in 4M CPO and POs bathroom and in 4M Junior Sailors bathroom.'

b. Weight compensation is considered negligible.

c. *Reference:* HMAS MELBOURNEs Form TM168 (AS1182) TDL 'FQ' dated 29 March 1970 forwarded under cover of FOCAF Memorandum dated 3 April 1970.

(1213/52/894 CNTS)

UNCLASSIFIED

410/70—Alteration and Addition Item—HMAS SYDNEY

The following Alteration and Addition Item is approved to be carried out in HMAS SYDNEY:

Class List Item No 382 (Ex TDL 'NYBB').

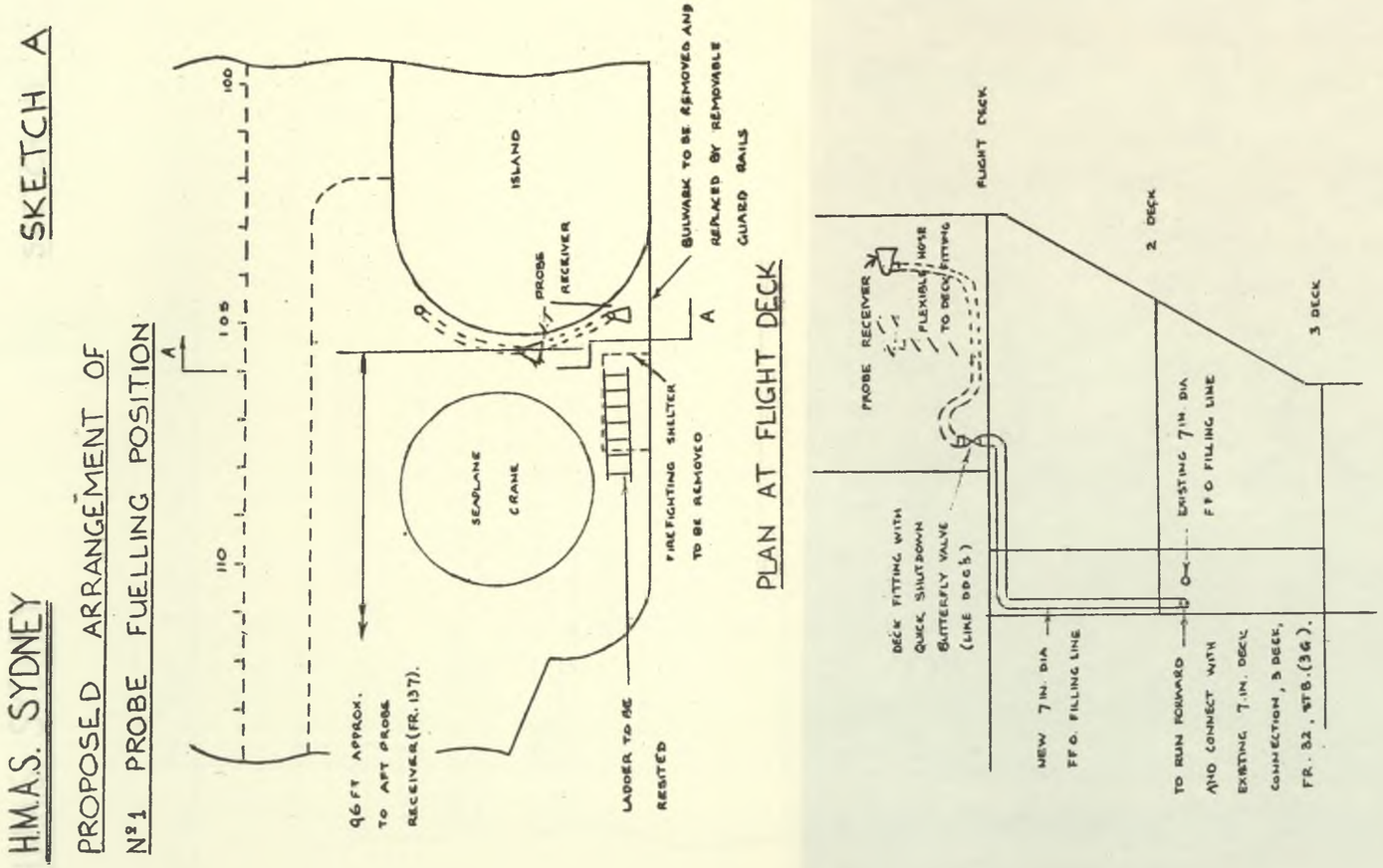
a. *Item:* '(1) To fit ship to receive fuel at sea by probe at the following positions: At No 1 deck with probe receiver attached to the after end of the island about frame 105, requiring a deck connection on No 1 deck and a run of 7 inch fuel pipe with a 7 inch isolating sluice valve to existing 7 inch fuelling pipe coming from 3G (S) fuelling position. *See* Sketch A. Diesel oil and fresh water filling deck connections are also required at this position.

(2) At No 2 deck with Probe Receiver attached to the sheerstake at about frame 137 (approximately 96 feet aft of forward receiver) requiring an extension of existing oiling platform. *See* Sketch B. A fresh water filling deck connection is also required at this position. This proposal supersedes Alteration and Addition Items Nos 349 and 360, and they will be cancelled accordingly.'

b. There will be a weight increase of 2-8 tons.

c. *Reference:* ACNB Signal DTG 230629Z April 1970.

(1213/53/283 CNTS)

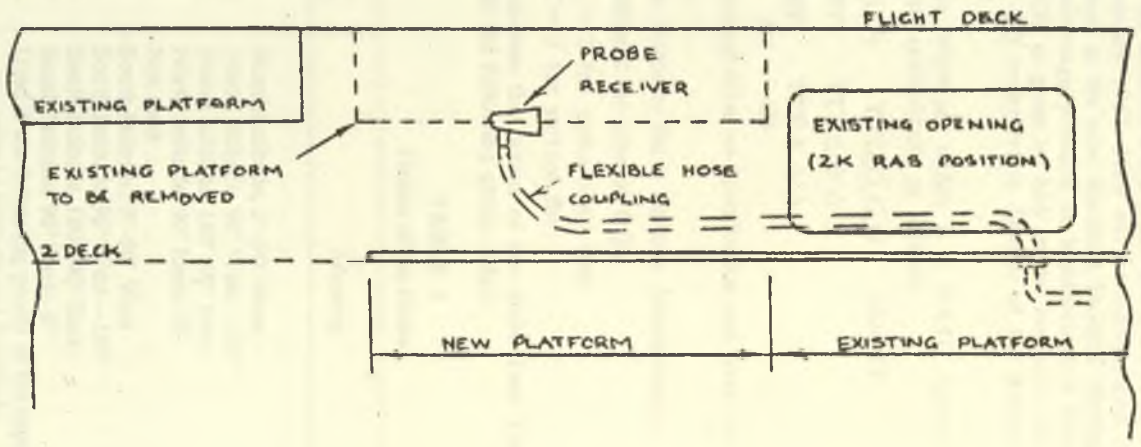


H.M.A.S. SYDNEY

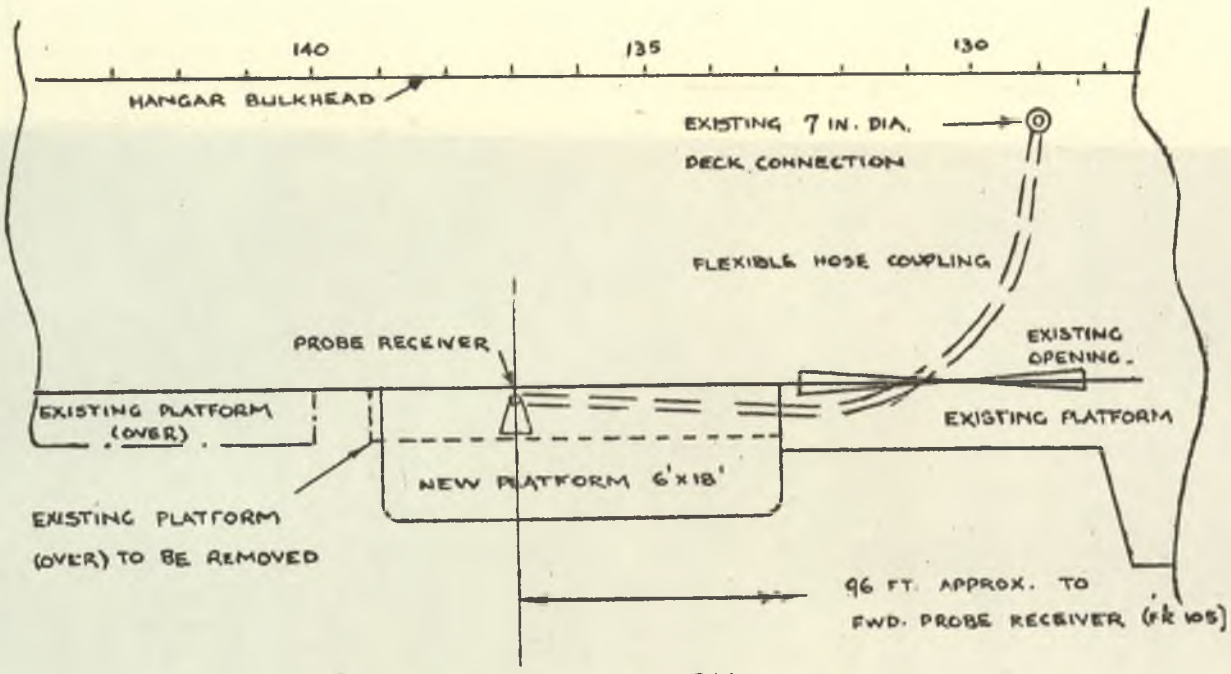
SKETCH B

PROPOSED ARRANGEMENT OF

Nº 2/ PROBE FUELLING POSITION



PROFILE



PLAN AT 2 DECK

UNCLASSIFIED

411/70—Gunnery—Ballistics—Revised Instructions for Ballistic Calculations Based on NATO Standard Ballistic Message

1. The procedures in this order enable ships officers to calculate the change in Ballistic Coefficient for Tenuity and the Ballistic Wind when using the revised Standard Ballistic Message effective from 1 January 1967. They will be incorporated in the new edition of BR 1898 (10). The change in the new Standard Ballistic Message is that PPP will in future represent the percentage pressure at Meteorological Datum Plane (MDP) level. The height of the MDP is given by hhh in the message—the explanation of Group 4 in Paragraph 3 of this order refers. Details of the Ballistic Request Message are also given in this order.

2. The revised Standard Ballistic Message, which is a NATO agreed standard (STANAG 4061) may be represented symbolically as follows:

METBKQ	XXXXXX	$YYG_oG_oG_oG$	hhhPPP
	ZZddFF	TTT △ △ △	
	ZZddFF	TTT △ △ △	
	etc	etc	

3. The first four groups of the message form an introduction and have the following meanings:

Group 1—METB is the indicator for a Ballistic Meteorological Message;

K indicates the type of firing:

K = 2 for anti-aircraft fire;

K = 3 for surface fire;

Q indicates the octant of the globe (*see* Table 1) to which the following group refers:

TABLE 1

Octant of the Globe

Q	*Meaning*
0	North latitude, 0°–90° West
1	North latitude, 90° West—180°
2	North latitude, 180°–90° East
3	North latitude, 90° East—0°
4	Not used
5	South latitude, 0°–90° West
6	South latitude, 90° West—180°
7	South latitude, 180°–90° East
8	South latitude, 90° East—0°
9	Used if the following group of the message does not refer to latitude and longitude

Group 2—XXXXXX represents latitude and longitude in degrees and tenths of a degree.

Group 3—YY is the date of the month (GMT) to which $G_oG_oG_o$ refers.

$G_oG_oG_o$ is the beginning of the period of validity to the nearest hour (GMT).

G indicates the duration of the period of validity in hours from 1 to 8. Code figure 9 indicates 12 hours validity.

Group 4—hhh is the height of the Meteorological Datum Plane (MDP) above Mean Sea Level (MSL) in units of tens of metres.

PPP is the MDP pressure expressed as a percentage (in units of 0.1 per cent) of the standard pressure of 1,013.25 millibars, omitting the initial 1 if the percentage is 100 or greater.

Note: For Naval purposes the MDP is usually at Mean Sea Level, so hhh is 000 and no adjustment to PPP is necessary in order to obtain per cent MSL pressure. If the MDP is above Mean Sea Level (ie, hhh is not zero) then to obtain per cent MSL pressure the following adjustment should be made:

Per cent MSL pressure (in units of 0.1 per cent) = PPP + (hhh × 1.2).

For example, if Group 4 is 005985, then:

PPP = 985 (ie, 98.5 per cent)

hhh × 1.2 = 6 (ie, 5 × 1.2)

991

Therefore, MSL pressure = 99.1 per cent. This adjustment is equivalent to 1 per cent for every 83 metres.

4. The groups which follow the first four are in pairs, each pair of groups constituting a 'Line' of the message:

ZZ indicates the 'Line Number' of the pair of groups, and so defines the target height in anti-aircraft fire, or the vertex height in surface fire to which the ballistic information in the 'Line' refers (*see* Table 2).

dd is the direction from which the Ballistic Wind is blowing, in units of hundreds of mils (6,400 mils = 360°).

FF is the speed of the Ballistic Wind in knots.

TTT is the Ballistic Temperature expressed as a percentage (in units of 0.1 per cent) of the Ballistic Temperature of the standard atmosphere, omitting the initial 1 if the percentage is 100 or greater.

△△△ is the Ballistic Density expressed as a percentage (in units of 0.1 per cent) of standard conditions.

Note: Ballistic Density is not required for use with RN Range Tables and is to be disregarded.

The message may omit the 'Lines' which are not applicable to the firing taking place.

TABLE 2

Line Number (ZZ)	*Target or Vertex Height*	*Approximate Equivalent Time of Flight (Surface Fire only)*
	Feet	Seconds
00	0	5
01	700	10
02	1,600	20
03	3,300	30
04	4,900	35
05	6,600	40
06	9,800	50
07	13,100	60
08	16,400	65
09	19,700	70
10	26,200	80

5. The following specimen message is given as an example:

METB21	325468	290206	000031	020811
012///	030912	006///	041114	997///

This means:

Group 1 Ballistic Meteorological message for anti-aircraft fire (in northern hemisphere between 90° W and 180°).

Group 2 Applicable to 32° 30′ N 146° 50′ W.

Group 3 Valid from 0200Z on 29th for six hours.

Group 4 The MDP is at Mean Sea Level. MDP pressure is 103.1 per cent of standard.

Line 02
(ie, Target height 1,600 feet)
Ballistic Wind direction .. 800 mils
Ballistic Wind speed .. .. 11 knots
Ballistic Temperature .. 101.2 per cent
(Ballistic Density not specified)

Line 03
(ie, Target height 3,300 feet)
Ballistic Wind direction .. 900 mils
Ballistic Wind speed .. .. 12 knots
Ballistic Temperature .. 100.6 per cent
(Ballistic Density not specified)

Line 04
(ie, Target height 4,900 feet)
Ballistic Wind direction .. 1,100 mils
Ballistic Wind speed .. .. 14 knots
Ballistic Temperature .. 99.7 per cent
(Ballistic Density not specified)

Surface Fire

6. Having checked the introductory groups of the message to ensure that it is applicable, the Gunnery Officer must select the appropriate 'Line' from the message according to the Time of Flight (*see* Table 2).

Calculations of Ballistic Wind to Set

7. Wind direction in mils and wind speed in knots are converted to degrees and feet per second, respectively, using the scales in RANTAU pamphlets 852.2 UK 4.5 inch and 852.2 Aust 5 inch. The figures thus obtained should be entered in Form OS114.

Calculation of Change in BC for Tenuity

8. Using the Ballistic Temperature from the appropriate 'Line' of the message and the Mean Sea Level Pressure derived from the fourth group of the message (by adjusting PPP if the MDP is not a sea level) enter the new Section B, Part 3, of the Range Table and obtain the 'Percentage change in BC for MSL Pressure and Ballistic Temperature'. Then, for suface fire only, obtain the 'Supplementary Change' from Section B, Part 3A, of the Range Table.

Anti-aircraft Fire

9. Check the introductory groups of the message and select the appropriate 'Line' according to Target Height (*see* Table 2). Convert Ballistic Wind to degrees and feet per second and enter it in Form OS114 as described in Paragraph 7 above.

Calculation of Change in BC for Tenuity

10. a. Using the Ballistic Temperature from the appropriate 'Line' of the message and the Mean Sea Level Pressure derived from the fourth group of the message, enter Section B, Part 3, of the Range Tables and obtain the 'Percentage Change in BC for MSL Pressure and Ballistic Temperature'.

b. There is no supplementary table for use in AA fire.

General

11. The following information is superseded when following this order:

a. BR 1898 (10) (1959 Edition):

Chapter 4. The whole of Paragraph 3 (entitled 'Tenuity Corrections'). The following parts of Paragraph 4 (entitled 'Calculating the percentage change in BC'). The whole of the second sub-paragraph (starting 'Section 2 of the form').

The Table Number 4.4 (A). The whole of the Sub-sub-paragraph numbered (3) and entitled 'Tenuity'.

Chapter 8. The whole of Paragraph 3 (entitled 'Obtaining ECW and Ballistic Temperature'). The whole of Paragraph 5 (entitled 'Meteor Code').

Chapter 10. Section 3B, Sub-paragraph 2 (starting 'Note the expected range . . .').

Appendix 4. The whole.

12. If a Standard Ballistic Message is not available, Ballistic Temperatures and Ballistic Winds may be estimated using the methods given in BR 1898 (10) (Chapter 4, Paragraph 3, and Appendix II, Paragraph 6C, of the 1959 Edition).

Requests for a Standard Ballistic Message

13. Ballistic Messages may be requested from any nearby ship with a qualified Meteorological Officer, namely aircraft carriers, commando ships, cruisers, LPDs and DLGs. Alternatively, requests may be made to shore authorities in accordance with local or operational orders. The message is requested by means of a standard Ballistic Request Message.

14. The form of the standard Ballistic Request Message may be represented symbolically as follows:

METRKQ XXXXXX $Y_0Y_0G_0G_0GG$ $Z_0Z_0Z_1Z_1J_0J_1$

Its particular advantage is that it can be used to request either a Single Standard Ballistic Message, as might be required for a practice firing, or a sequence of Standard Ballistic Messages at regular intervals of time, as might be required in operational conditions.

15. The meaning of the groups is as follows:

Group 1—METR	indicates a request for Standard Ballistic Messages.
K	indicates the type of firing: K = 2 for AA fire; K = 3 for Surface fire;
Q	indicates the octant of the globe (*see* Table 1).
Group 2—XXXXXX	this is the centre of the area of applicability expressed in six figures, of which the first three figures give latitude in degrees and tenths of a degree and the second three figures give longitude in degrees and tenths of a degree. For longitudes of 100° or greater the 'hundred' figure is omitted. Alternatively, letters or figures may be used to designate the position in plain language or code. In this case Q in Group 1 is given as 9.
Group 3—Y_0Y_0	indicates the day of the month (GMT) to which G_0G_0 refers.
G_0G_0	indicates the beginning of the period of validity of the first message to the nearest hour (GMT).
G_1G_1	indicates the beginning of the period of validity of the last message to the nearest hour (GMT): the day of the last message is indicated by J_0 in Group 4.
Group 4—Z_0Z_0	indicates the lowest 'Line' required.
Z_1Z_1	indicates the highest 'Line' required.
J_0	indicates the number of days, from 0 to 9, to be added to Y_0Y_0 to give the day of the month (GMT) to which G_1G_1 refers.
J_1	is a number from 1 to 8 to indicate the time interval in hours at which successive messages are required. Alternatively, the number 9 indicates an interval of 12 hours.

Example

A ship requires Standard Ballistic Messages every six hours from 2100Z on 12 May until a last message at 0900Z on 14 May for an area centred on 32° 30′ N, 146° 50′ W. Surface fire, Lines 03, 04, 05 and 06. The Ballistic Request would be:

METR31 325468 122109 303626.

16. If only a single Standard Ballistic Message is required, then $G_1G_1 = G_0G_0$, J_0 is 0, and J_1 indicates the period of validity of the single message requested (9 indicates 12 hours as before). This is equivalent to making the time of the 'first' message and the time of 'last' message the same.

Example

A ship requires a single Standard Ballistic Message valid for three hours from 2100Z on 12 May for an area centred on 32° 30′ N, 146° 50′ W, for Surface fire, Lines 03, 04, 05 and 06. The Ballistic Request Message would be:

METR31 325468 122121 030603.

17. Navy Orders 286/67 and 621/69 are hereby cancelled.

(400/201/58 DUR)

(*Navy Orders 286/67 and 621/69*)

UNCLASSIFIED

412/70—Married Quarters—Supply and Replacement of Fluorescent Tubes

1. As from the date of receipt of this order the supply and replacement of fluorescent tubes in married quarters will be effected on the same basis as that prescribed for electric light globes in ABR 4, RAN Storekeeping Manual, Article 3315.

2. ABR 4 and ABR 5076 will be amended.

(519/75/426 DSAP)

UNCLASSIFIED

413/70—Stores Accounting—Issues on Repayment and Returns to HM Dockyards and RN Store Depots—Registration of Vouchers

1. As from the date of receipt of this order, vouchers for all categories of stores prepared by ships and commissioned establishments to cover issues of stores on repayment outside the Service are to be registered in a single series regardless of the type of voucher used. These numbers are to be used as the ships serial or registered number. This procedure applies to all types of stores and to all transactions involving payment to the RAN for the stores involved by any outside authority, eg:

a. Repayment Issues Outside the Service, *see* ABR 4, Article 1305;

b. Supplies to Other Government Departments, British Commonwealth Government (except RN Ships and Establishments), Foreign Powers, Merchant Ships, Civic or Commercial Organisations and Private Individuals, *see* ABR 4, Article 1313; and

c. Returns to HM Dockyards and RN Store Depots, *see* ABR 4, Article 1018.

2. One series of numbers only is to be used by each ship or establishment, the register being maintained by the Supply Officer. The registered numbers are to be prefixed by the letter R to distinguish the vouchers from the same type of voucher used for other purposes, eg, Forms SX125/SX126 (AS549) used for transfer of stores between HMA ships.

3. The new series of numbers are to commence with R1 and are to run in a continuous series. New series of numbers are *NOT* to be commenced at the beginning of each calendar year as is the practice with other types of vouchers.

4. The appropriate copies of all vouchers registered in the R series are to be forwarded to the Director of Supply Administration and Planning, Navy Office, Melbourne, as early as practicable after the issue is made.

5. ABR 4, Article 1303 (2)(b), 1018, 1819 and 3617 and ABR 93, Article 1505, will be amended.

(400/1/891 DSAP)

UNCLASSIFIED

414/70—Stores Accounting—Selected Item Management (SIM)

1. Experience in the operation of the Selected Item Management (SIM) technique of accounting for stores indicates that this function would be facilitated by the segregation of SIM ledger pages and items. Accordingly, the procedures detailed hereunder are to be introduced in all HMA ships in which SIM has been introduced and action to effect the necessary changes is to be completed as soon as practicable after the receipt of this order.

2. Separate ledgers for SIM items are to be constructed as follows:

a. All ledger pages which have been endorsed SI in accordance with ABR 4, Article 3903, are to be removed from their existing binders and placed in separate binders for Permanent and Consumable items, as appropriate. The pages are to be arranged in accordance with ABR 4, Article 1806.

b. Indicator Pages, Forms SA248 (AS151a) or SA250 (AS153d) are to be inserted in the vacated position in the ledger to signify that the item has been transferred to the SIM ledger.

c. Separate Registers Forms SA252 (AS155A) and SA254 (AS155C) are not to be maintained for SIM ledgers. Pages subsequently added to or removed from these ledgers are to be recorded in existing Registers for the appropriate Group Class, Indicator Pages being added or removed as necessary.

3. The principle aim in the separate stowage of SIM items is to ensure that they are readily accessible and as close as possible to the point of issue. The allocation of compartments for this purpose should be considered with a view to stowing small items in the immediate vicinity of issuing points and the larger, bulky items in a suitable compartment in the proximity of normal use.

4. An appropriate time for the re-stowage of SIM items would be on the first occasion that the ship undergoes a SOAP evolution. However, if the task is considered to be within the capacity of ships staff and can be effected without major interruptions to normal operations, re-stowage may be carried out on board at the discretion of the Supply Officer.

5. Variations in usage rates subsequent to the introduction of SIM may result in the movement of items into, and out of, the SIM category. In the event, the re-stowage of such items is to be effected in accordance with Paragraph 3 above if this is considered practicable and relevant records are to be amended accordingly. However, if the Supply Officer considers that re-stowage is impracticable, relevant ledger records should be amended to reflect the new management category and the items may remain in existing stowages pending the next SOAP.

6. The above procedures are to be introduced in new construction ships during normal storing prior to commissioning.

7. ABR 4 will be amended.

(400/1/1063 DSAP)

UNCLASSIFIED

415/70—Supply of Materials for Laundries in HMA Ships and Establishments

1. Materials such as detergents, starch, etc, required for use in laundries in HMA ships and establishments are not to be supplied from storeroom stocks held in the Naval Store of the ship or establishment concerned, nor are they to be drawn from the Store Depot as normal ships stores.

2. Arrangements exist, however, whereby demands from Laundry Committees for such materials will be met by the Store Depot to the extent that stockholdings permit.

3. Issue is effected by the (Superintending) Naval Store Officer, direct to Laundry Committees which should draw at least one months requirements at a time. In the case of ships which will be away from their storing port for a longer period, arrangements are to be made to draw quantities compatible with stowage facilities on board and weight considerations.

4. On receipt of advice from the Laundry Committee, the Supply Officer is to raise stores demand Forms SX13 or SX15 and the remarks column is to be endorsed 'For Laundry Committee—ON REPAYMENT'. The Stores Demands are to be processed in the normal manner.

5. Claims will be raised and forwarded to the Laundry Committee through the Supply Officer, the price charged being into store cost plus 5 per cent. Payment by the Laundry Committee is to be remitted to the Receiver of Public Moneys at the port at which the stores were drawn.

6. Issues of cleaning materials in accordance with the foregoing are not to be recorded in the Naval Store Account of the ship concerned.

7. ABR 4, RAN Storekeeping Manual, will be amended.

(400/1/872 DSAP)

UNCLASSIFIED

416/70—Victualling Stores—Discrepancies Disclosed at Stocktaking of Provisions—Accounting

1. Discrepancies disclosed as a result of stocktaking of provisions are to be investigated and where a discrepancy can be traced to an error concerning a specific voucher

or transaction, the incorrect voucher or ledger posting is to be adjusted in accordance with ABR 93, Article 1602.

2. If such investigations fail to disclose the reason for the discrepancy and the Supply Officer is satisfied that the most likely cause was an over-issue or under-issue of provisions to the General Mess, action may be taken, on the authority of the Supply Officer, to adjust the General Mess balance in respect of discrepancies valued at $50 or less.

3. Adjustments are not to be made in respect of stock discrepancies valued at more than $50 without prior Navy Office approval.

4. General Mess balances are not to be adjusted in respect of stock discrepancies attributable to errors in receipts, or where items concerned are held essentially for issue to repayment messes.

5. As from the date of receipt of this order, Forms SS1 (Stocktaking Discrepancy Report) covering discrepancies in stocks of provisions are to be prepared in triplicate and disposed of as follows:

Original .. To be forwarded to the Director of Supply Administration and Planning. Approval of the reports will be notified in a duplicated form of letter.

Duplicate .. To be filed as a supporting voucher to the provisional adjustment of the ledger which should be made immediately after it is established that the discrepancy cannot be traced to a specific error. This copy will also support any adjustment to the General Mess balance in accordance with Paragraph 2 above.

Triplicate .. To be forwarded to the Director of Victualling with the relevant Form SA118 (AS462).

6. Any adjustments authorised by the Supply Officer in accordance with Paragraph 2 above are to be shown in Forms SA118 in the space at the foot of the General Mess balance column, with a reference to the relevant Form SS1.

7. ABR 93, part 1, will be amended.

(10/57/77 DSAP)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

417/70—Use of Photocopying Machines—Security

1. Instances have been reported where a 'ghost' copy or second image has appeared on the print-out copy from photocopying machines. The causes of such secondary reproduction varies with the type of machine in use.

2. When original pages are of thin paper, care is to be taken that only one page at a time is placed on the copying machine as it is possible for the content of another page, placed directly on top of the one to be reproduced, also to be reproduced on the one print-out.

3. Photocopying machines not fitted with self-cleaning drums may produce a 'ghost' print of a previously printed page. Care is to be taken that the roller is kept clean and a plain page is to be put through the machine after copying TOP SECRET documents to ensure there is no 'ghosting'.

4. Whilst in general photocopying machines are a secure means of reproducing classified matter operators are to observe the manufacturers operating and maintenance instructions and ensure 'ghosting' does not occur.

(462/3/50 DNI)

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HISTORIAN

ANO 418/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
10 September 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21339/70

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

418/70—Organisation of the Office of the Second Naval Member and Chief of Naval Personnel

1. The responsibilities of the Medical Director-General, the Director-General of Personal Services, Director-General of Manpower, Director-General of Training, Head of Naval Personnel Branch, the Directors of the Personnel Branches and the Co-ordinator of Training Research are set out in Annex A. The organisation of the Second Naval Members office is shown in Annex B.

2. The senior Director-General (other than MDG) will be responsible for the co-ordination of matters which jointly affect the Manpower, Training and Personal Services divisions. He will also deputise, to the extent of his authority, for the Chief of Naval Personnel during the latters absence.

3. Navy Order 874/68 is hereby cancelled.

ANNEX A

Director-General of Personal Services

(*Short Title: DGPS*)

1. The Director-General of Personal Services (DGPS) is responsible to the Chief of Naval Personnel for the formulation of policy and the co-ordination and control of all matters related to the well-being of naval personnel. Where these responsibilities involve those which are the direct concern of the Secretary, Department of the Navy, he is to work closely with the Head of Naval Personnel Branch (HPB).

2. The DGPS will be assisted by the following, whose duties he will direct and supervise:

a. Director of Personal Services Administration—Short Title DPS (A).

b. Director of Personal Services Conditions of Service—Short Title DPS (C).

c. Director of Naval Legal Services—Short Title DNLS.

d. Principal Social Worker—Short Title PSW.

3. The DGPS is to keep the Chief of Naval Personnel informed of all decisions which he makes which could be interpreted as changing established policy. He is to refer to the Chief of Naval Personnel those other matters on which he requires direction. The DGPS may approve of Free discharges and awards of the LS and GC Medal.

4. The Director-General of Personal Services will be the Naval Representative on the following:

a. Defence Forces Retirement Benefits Board (Member).
b. Ship Habitability Committee (Chairman).
c. Uniform and Clothing Committee (Member).
d. RAN Central Canteens Fund Committee (Chairman).
e. Joint Services Committee on Conditions of Service (Member, if approved).

5. The broad responsibilities of individual Directors and the Principal Social Worker are outlined in the following paragraphs.

Director of Personal Services (Administration)

(*Short Title: DPS (A)*)

6. The DPS (A) is responsible to the DGPS for:

a. the policy aspects related to the housing of naval personnel and the provision of quarters;

b. policy aspects of scales and standards of service accommodation;

c. processing the discharges of sailors and Wrans, in conjunction with other Directors concerned, except for personnel being discharged 'MEDICALLY', 'SNLR', 'OPTIONALLY', 'UNSUITABLE' or 'ENGAGEMENT EXPIRED';

d. welfare aspects of claims for compensation under the CEC Act;

e. personnel aspects of official complaints;

f. policy aspects of private debts of personnel;

g. the co-ordination and processing within Navy Office of all matters within the terms of reference of the Chaplains Committee;

h. policy matters related to naval funerals or funerals of naval personnel;

i. other miscellaneous matters, such as interviews of next-of-kin and relatives of naval personnel;

j. the policy aspects related to management of 'Navy News';

k. arranging accommodation, both permanent and temporary, for naval personnel posted to Navy Office and Department of Defence, Canberra;

l. co-ordination and administration of the resettlement in civil life of naval personnel including pre and post-discharge training (in conjunction with DNES);

m. Committee Representation:

(1) RAN Central Canteens Board (Member);
(2) RAN Central Canteen Committee (Member);
(3) RAN Relief Trust Fund Committee (Member);
(4) 'Navy News' Management Committee (Member);
(5) Ships Badges, Nomenclature and Honours Committee (Chairman);
(6) Chaplains Committee (Advisory Capacity);
(7) Melbourne Naval Centre Committee (Member).

Director of Personal Services (Conditions of Service)

(*Short Title: DPS (C)*)

7. The DPS (C) is responsible to the DGPS for:

a. keeping all matters affecting the conditions of service of naval personnel, including pay and allowances, under continuous review. He is to work in close conjunction with HPB, and is to maintain a constant liaison with DGM and DGTs staffs;

b. advice in conjunction with HPB on entitlements under the DFRB Act;

c. advice on policy governing the resettlement of officers, sailors and Wrans;

d. policy aspects of pre and post-discharge training schemes, in consultation with DNES;

e. advising on the application of the Geneva Convention to Naval Prisoners of War;

f. advice in conjunction with HPB and D of T on Trust Funds and Prizes, including Herbert Lott Trust Fund and training prizes;

g. Committee Representation:

(1) Interservice POW Sub-committee (Member);

(2) Resettlement Policy Committee (Member);

(3) Resettlement Co-ordinating Committee (Member);

(4) Defence Forces Trade Grouping Sub-committee (Member);

(5) Defence Forces Retirement Benefits Board (Deputy Member);

(6) Joint Services Sub-committee on Conditions of Service (Member) (if approved).

Director of Naval Legal Services

(Short Title: DNLS)

8. The DNLS is responsible to the DGPS for all matters of Naval Law including the following:

a. disciplinary policy;

b. disciplinary relations with the Royal Navy, Dominion Navies, Allied Forces, AMF and RAAF;

c. the negotiation and administration of status of forces agreements and supervision of arrangements in countries with whom there is no formal agreement;

d. advising on the legal problems associated with the operation of forces outside Australia, and foreign forces in Australia;

e. liaison with the Judge Advocate-General;

f. administration of Reserve Legal Panels;

g. naval adviser on:

(1) claims for salvage;

(2) maintenance and affiliation orders;

(3) miscellaneous legal questions affecting naval personnel involving Court Orders, debts, litigation, etc;

h. ad hoc advice to commands, ships and establishments;

i. Committees:

(1) Naval Representative on Defence (Military Law) Sub-committee;

(2) Interservice legal working parties (Member).

Legislation

9. DNLS has the following responsibilities in regard to legislation and books of reference:

a. Naval adviser on new legislation and amendments to existing legislation.

b. Editor of the Manual of Naval Law.

c. To advise as requested on the legal implications or proposed new BRs and proposed amendments to existing BRs.

Discipline

10. Legal advice on:

a. Courts Martial.

b. Naval Board Censures.

c. Officers—Loggings.

d. Forms—Disciplinary—new and revised.

e. Disciplinary Investigations.

f. Summary Punishments.

g. Punishment Returns.

h. Civil Offences.

i. Dismissals.

j. Discharges 'Services no Longer Required'.

k. Deserters. He is authorised to approve of the removal of 'R' from sailors service records.

l. Fraudulent Entry.

m. Medals, Restoration after Forfeiture.

n. Reserve Legal Panels.

Training

11. a. He is to approve course training standards for Naval Legal Training.

b. He is to provide D of T with specialist advice relating to Naval Legal Training.

Principal Social Worker

(Short Title: PSW)

12. The PSW is responsible to the DGPS for:

a. co-ordinating, planning and developing social work activities within the RAN;

b. promoting professional standards of naval social work through the selection of staff, and the supervision of their work;

c. ensuring that naval social workers have the facilities available to enable them to function professionally;

d. providing advice on individual cases referred to Navy Office and maintaining liaison with appropriate Directorates regarding postings, discharges, re-engagements and re-entries, where domestic and compassionate factors are involved;

e. providing a general consultant service regarding community facilities to Navy Office and establishments, and advising other social workers and professional agencies on the naval social work service;

f. (1) maintaining liaison with the Department of Social Services, other Departments and voluntary organisations to avoid overlapping;

(2) interpretation of the needs of naval families and for ensuring that the widest range of social services is available to them;

g. (1) promoting research and inquiry into special areas of concern to naval families;

(2) maintaining liaison with naval wives clubs and assisting in the growth of self-help and community services within the RAN;

h. lecturing on naval social work to naval personnel in ships and establishments or to other groups as requested;

i. oversight of the maintenance of statistical records of work performed by naval social workers and keeping a card index and file record of cases dealt with;

j. providing a social work service for HMAS HARMAN as required.

Director-General of Manpower

(Short Title: DGM)

13. The Director-General of Manpower is responsible to the Chief of Naval Personnel for:

a. the performance and co-ordination of the duties of the:

(1) Director of Naval Reserves and Naval Dockyard Police;

(2) Director of Naval Recruiting;

(3) Director of Sailors Postings;

(4) Director of Manpower Planning;

(5) Director of Fleet Work Study;

(6) Director of WRANS;

keeping the Chief of Naval Personnel informed of all decisions which he makes which could be interpreted as changing established policy. He is to refer to the Chief of Naval Personnel those other matters on which he requires direction;

b. the promotion of sailors to meet billet requirements and sailors promotion policy;

c. approvals for re-engagements;

d. in conjunction with HPB, the continuing revision of the Manual of Promotion Instructions for the RAN;

e. approvals for transfer of Branch;

f. approvals for discharges Unsuitable;

g. approvals in the absence of the Chief of Naval Personnel for Medical discharges and Discharges SNLR and FREE;

h. approvals for minor amendments to Schemes of Complement;

i. promotions to and appointments as an officer of the CNF;

j. approvals for deferment of leave and in conjunction with HPB for payment of higher duties allowance;

k. approvals for recruiting tours;

l. approval in conjunction with HPB for overseas passages for sailors and their families on posting;

m. approvals for change of home port by officers;

n. approvals for re-entry;

o. Committee Representation:

(1) Complements Committee (Chairman);

(2) Mobilisation Committee (Chairman);

(3) Naval Recruiting Committee (Chairman);

(4) Staff Requirements Committee (Member).

Director of Naval Reserves and Naval Dockyard Police

(Short Title: DRNP)

14. The Director of Naval Reserves and Naval Dockyard Police is the central administrative authority for all Reserve and Cadet matters and in conjunction with HPB exercises budgetary control of expenditure on pay, allowances, travel and training of Naval Emergency Reserve, Citizen and Cadet Forces. He is responsible to the Director-General of Manpower for:

a. the administration of all Naval Emergency Reserve and Citizen Forces and the training and administration of Naval Reserve Cadet Forces in consultation with other Directors who have Reserve responsibilities;

b. the administration of the Naval Dockyard Police;

c. annual inspection of all Naval Reserve training establishments and selected Naval Reserve Cadet Units;

d. preparation for mobilisation of the Reserve Forces;

e. approvals for Award of CNF Long Service Decorations;

f. approvals for routine promotions of CNF Officers;

g. approvals for transfers of CNF Officers between Reserve Lists;

h. approvals for resignations and retirements of CNF Officers;

i. approvals of Course Training Standards for Naval Dockyard Police;

j. providing D of T with specialist advice relating to the training of Naval Dockyard Police;

k. DRNP is Project Director for HMAS LONSDALE, HMAS HUON and HMAS ENCOUNTER;

l. Committee Representation:

(1) Mobilisation Committee (Member);

(2) Interview Boards (Alternate Chairman).

Director of Naval Recruiting

(Short Title: DNR)

15. The Director of Naval Recruiting is responsible to the Director-General of Manpower for:

a. the organisation of RAN and PNG recruiting activities including officers, sailors and WRANS throughout the Commonwealth and in Papua/New Guinea;

b. the recruiting and entry of officers;

c. the recruiting and entry of sailors and WRANS;

d. the entry of officers and sailors of the Reserves as required by DRNP;

e. dealing with all matters at Navy Office arising from recruiting policy in conjunction with personnel and other Directorates concerned;

f. production of PNG and Reserve Recruiting Instructions;

g. co-ordinating naval requirements for various recruiting and uniformed public relations activities including Naval Band Programmes, Naval Display Programmes, Navy Day activities, Caravan and Lecture Tours, Recruiting Symposia;

h. co-ordination with DPR of the preparation and production of printed materials, TV, films and other forms of publicity for recruiting purposes;

i. co-ordination with appropriate Department of Defence officers in connection with recruiting advertising policy and programmes, including drafting

of certain copy, checking of copy, supply of material to assist in production and drafting contents of publicity brochures, pamphlets and posters;

j. co-ordination with the appropriate Department of Defence officers in all matters common to the Combined Recruiting Directorate and Naval Recruiting organisation;

k. co-operation as required with Army and RAAF Recruiting Authorities;

l. production of annual estimates for naval recruiting and naval display requirements (advertising, medical, travelling expenses, etc);

m. recording and dissemination of information necessary for compilation of recruiting statistics and enlistment surveys;

n. organisation and control of the Naval Display organisation;

o. Committee Representation:

(1) Sailors Selection Committee (Navy Office only) (Chairman);
(2) Naval Recruiting Committee (Member).

Director of Sailors Postings

(Short Title: DSP)

16. The Director of Sailors Postings is the posting authority for all PNF sailors and the call out, posting and discharge authority for Reserves. He is responsible to the Director-General of Manpower for:

a. the efficient implementation of posting policy, both PNF and reserves;

b. the production and amendment of Posting Instructions in conjunction with DMP;

c. the compilation and issue of weekly list of Sailors Postings and Posting Forecasts;

d. the compilation of promotion lists;

e. the compilation and implementation of elimination lists;

f. the compilation of course selection lists;

g. the arrangements for submarine suitability tests;

h. the compilation of selection lists for recruiting duties, Canteen Managers, overseas posts such as Service Attaches Assistants;

i. the posting of WRANS in consultation with DWRANS;

j. the compilation of promotion lists for WRANS;

k. advice on the posting implications of discharges, re-engagements, full time service in the Reserves and transfers of Branch;

l. the compilation of CPOs incremental pay lists and suspension lists;

m. approvals for change of home port by sailors;

n. Committee Representation:

(1) EDP Personnel Planning Committee (Member);
(2) Mobilisation Committee (Member).

Director of Manpower Planning

(Short Title: DMP)

17. The Director of Manpower Planning is responsible to the Director-General of Manpower for:

a. planning the manpower requirements for officers, sailors and Wrans of the PNF, PNG and Reserves;

b. the assessment of recruiting targets for officers, sailors and Wrans;

c. the assessment of categorisation and training target percentages, ineffectives;

d. review of sailor branch structure;

e. the compilation of manpower estimates in consultation with the Chief Statistical Officer and of Naval Manpower statistics;

f. compilation of and amendments to complements of ships and establishments in consultation with the Director of Classifications and the production and amendments to posting instructions in conjunction with DSP.

g. compilation of and amendments to Quarter Bills;

h. compilation and amendment of a Manpower Planning Guide or ACB;

i. supervision of Forms CW1 Register;

j. co-ordination of the arrangements for selection and promotion of officer candidates;

k. advice on the manpower implications of optional and Unsuitable Discharges, re-engagements, full time service in the Reserves and transfers of Branch (including those branches which recruit from within the Service, eg, Coxswain, Dental Mechanic);

l. constantly reviewing the use of manpower to meet short term commitments;

m. keeping DPS (C) informed of major rank structure or complement/establishment changes;

n. Committee Representation:

(1) Complements Committee (Member);
(2) Mobilisation Committee (Member).

Director of Fleet Work Study

(Short Title: DFWS)

18. The Director of Fleet Work Study is responsible to the Director-General of Manpower for:

a. advice on the application of Work Study and Management techniques in the Fleet and commissioned establishments and on the economical use of Fleet Work Study resources;

b. control and co-ordination in the functional sense, of the work of the Fleet Work Study personnel;

c. advice on the most fruitful fields for Fleet Work Study;

d. in consultation with the Director of Training control of technical Fleet Work Study training and the dissemination of lessons learnt, the application of techniques, records and development;

e. the maintenance of Fleet Work Study investigating standards and for liaison with Work Study departments of the other fighting services and industry;

f. maintenance of close liaison with the Director of Classifications on all matters arising from Fleet Work Study activities which come within the ambit of the Classifications Unit and the departmental Work Study Statistical Sections;

g. approving those aspects of Course Training Standards relating to management training, consulting higher authority as appropriate when the rank of course participants warrants this;

h. providing D of T with specialist advice relating to management training;

i. Committee Representation:

(1) Human Engineering Panel (Member).

Director of WRANS

(Short Title: DWRANS)

19. The Director, WRANS, is responsible to the Director-General of Manpower for:

a. organisation of the Womens Royal Australian Naval Service and WRANS Reserve to perform effectively the functions assigned to it, for the morale and well-being of the Service and for advice on all matters affecting this responsibility;

b. advice to other Personnel Directors on the recruitment, selection, posting and promotion to officers and personnel of the WRANS;

c. provide D of T with advice on matters peculiar to the training of Wrans;

d. promotion of Wrans other than officers;

e. advice to Directors and Heads of Branches concerned on all matters likely to affect the morale and well-being of members of the WRANS, eg, pay, conditions of service, numbers and grading of quarters, staffs accommodation, and the general aspects of victualling, messing and clothing.

20. She or her representative, is authorised to visit any naval establishment in which members of the WRANS are employed, giving prior notification to the Administrative Authority concerned, to the Commanding Officer of the establishment and where Wrans training is carried out, to the Director of Training.

Director-General of Training

(Short Title: DGT)

21. The Director-General of Training is responsible to the Chief of Naval Personnel for:

a. the overall technical, professional and academic training of officers, sailors and Wrans, both PNF and Reserve, including initiation of proposals for variations in the training requirements for each branch and category;

b. the performance and co-ordination of the duties of:

(1) The Director of Training;

(2) The Director of Naval Education Service;

(3) The Co-ordinator of Training Research;

keeping the Chief of Naval Personnel informed of all decisions which he makes which could be interpreted as changing established policy. He is to refer to the Chief of Naval Personnel those other matters on which he requires direction;

c. overall co-ordination of Training Research;

d. manning and training aspects of ceremonial occasions;

e. Committee Representation:

(1) Interviewing Board (Chairman—alternate);

(2) RAN Academic Standing Committee and Study Board (Member);

(3) Complements Committee (Member);

(4) NBCD Committee (Member).

Director of Training

(Short Title: D of T)

22. The Director of Training is responsible to the Director-General of Training for:

a. the co-ordination of and efficient conduct of professional and technical training of all officers, sailors and Wrans, both PNF and Reserve;

b. the co-ordination of requirements for and the availability of training equipment and training facilities for both the PNF and Reserves;

c. in consultation with HPB, preparation of annual estimates for training courses, training equipment and travel connected with training;

d. arrangements for the training of naval officers and sailors from other nations;

e. arrangements for naval training of the Naval Dockyard Police;

f. the continuing revision of ABR 27;

g. he is Project Director for the following training establishments:

HMAS CERBERUS
HMAS LEEUWIN
HMAS NIRIMBA
HMAS PENGUIN
HMAS WATSON;

h. Committee Representation:

(1) Training Committee (Chairman);

(2) Navy Office Sailing Committee (Chairman).

Co-ordinator of Training Research

(Short Title: CTR)

23. The Co-ordinator of Training Research is responsible to the Director-General of Training for:

a. planning, developing and co-ordinating training research within the RAN;

b. advising on the most fruitful fields of training research;

c. controlling and co-ordinating (in the functional sense) personnel associated with the Training Research Organisation;

d. in consultation with the Director of Training:

(1) the dissemination of research findings;

(2) the application of and the development of new training techniques;

(3) the conduct of training research and the introduction of training innovations in units of the RAN where training is conducted;

e. liaison with other Services, Government and civilian organisations on training research matters; and

f. the conduct of specialist in-service training (seminars, intensive study groups) relating to training and training administration.

Director of Naval Education Service

(Short Title: DNES)

24. The Director, Naval Education Service, is responsible to the Director-General of Training for:

a. advice on the policy for naval and joint service education;

b. within overall training policy directives, the administration of:
   (1) the academic training of sailors;
   (2) with Director of Training the theoretical professional training of sailors;
   (3) the academic training of RANC cadets and officer candidates;
   (4) naval and civilian educational examinations;
   (5) naval libraries and textbooks, including the purchase and dissemination of books;
   (6) instructional technique, reading improvement, modern instructional methods, educational aids, tests and examinations;
   (7) correspondence courses, facilities for private study, and the Services Vocational and Educational Training Scheme;
   (8) naval Academic Instructors (with DSP);

c. liaison with other Services and civilian o ganisations on educational matters;

d. advise DAPO on employment and appointment of Instructor Officers;

e. advice on the standards of education required for officer and sailor entries (with DNR and D/Psych);

f. he is Project Director for HMAS CRESWELL;

g. Committee Representation:
   (1) RANC Academic Standing Committee (Member);
   (2) RANC-University of NSW Advisory Committee (Member);
   (3) RANC Study Board (Member);
   (4) Services Education Co-ordination Committee (Member);
   (5) Resettlement Co-ordinating Committee (Member);
   (6) Resettlement Policy Committee (Member);
   (7) Naval Recruiting Committee (Member);
   (8) Training Committee (D/DNES—Member);

h. approve course training standards for the academic aspects of naval training;

i. provide D of T with specialist advice relating to training in the Instructors Branch.

Director of Appointments and Postings (Officers)

(Short Title: DAPO)

25. The Director of Appointments and Postings for Officers is responsible to the Chief of Naval Personnel for:

a. the overall career planning of all officers (up to and including the rank of Commander) to meet the approved establishment, both PNF and Reserve, the latter in consultation with DRNP;

b. advice on the appointment, posting and discharge of all officers of the rank of Commander and below both PNF, WRANS and Reserves;

c. supervision in consultation with the Head of Naval Personnel Branch of records of all officers up to and including the rank of Commander including retired officers;

d. in consultation with Director-General of Manpower, the extension of retiring ages of officers;

e. visits of naval officers, for other than training purposes, from other nations;

f. routine promotions of PNF Officers;

g. conditional offers to naval officer applicants for full-time service:

h. Committee Representation:
   (1) Mobilisation Committee (Member);
   (2) Complements Committee (Member);
   (3) Officer Interview Boards (Chairman—alternate).

Director of Psychological Services

(Short Title: D/Psych)

26. The Director of Psychological Services is responsible to the Second Naval Member for:

a. advice on the ways in which psychological techniques and the psychological staff may be employed to obtain the most effective use of the individual in the Service;

b. the technical direction of the psychological staff;

c. liaison with other organisations concerned with psychology in Australia and overseas, collection of information on new techniques and methods developed by such organisations and advice on their application to the RAN.

27. He also acts as the Psychological Consultant to the Medical Director-General.

28. He is responsible through DGM for:

a. planning, supervision and co-ordination of psychological research work in the RAN;

b. provision of psychological advice on the suitability of candidates for entry into the RAN, RESERVES and WRANS and for ensuring that, as far as possible, the branch and/or category of their choice is well suited to their abilities, interests and experience;

c. advising Directors on the quality and training potential of the sailors entering the various branches;

d. conducting periodic surveys into wastage rates under training, for examining the psychological aspects of failure and for making recommendations, where appropriate, on methods of reducing wastage or increasing training efficiency;

e. advice on the psychological test standards to be set for entry into the various branches having regard to manning requirements and the predicted failure rate under training;

f. providing instruction in Man Management and Human Relations for officers and senior sailors as required by D of T;

g. Committee Representation:
   (1) Psychological Sub-committee to the Defence Research and Development Policy Committee (Member);
   (2) Human Engineering Panel (Member);
   (3) RANC Study Board (Member);
   (4) Naval Recruiting Committee (Member);
   (5) Sailors Selection Committee (Member);

(6) Naval Committee or Advertising and Public Relations Media (Member);
(7) Training Research Committee (Member).

Medical Director-General

(Short Title: MDG)

29. The Medical Director-General is responsible to the Chief of Naval Personnel for:

a. policy governing the general organisation and administration of the Medical, Dental and Nursing Branches of the Royal Australian Navy, both for peace and war;
b. provision of facilities for medical and dental treatment of naval personnel;
c. maintenance of centralised medical records for all naval personnel;
d. naval personnel matters:
(1) proposing physical and visual standards for entry, re-entry and re-engagement for both the PNF and RESERVES;
(2) approve course training standards for Naval Medical Training;
(3) provide D of T with specialist advice relating to Naval Medical Training;
(4) advising DGM on medical and dental complements;
e. Committee Representation:
(1) the Committee of Management of the Aero-Medical Research Laboratory;
(2) the Medical Equipment Sub-committee of the Standardisation Committee;
(3) the Defence Medical Services Committee;
(4) the Dental Services Advisory Committee;
(5) the Radiology Advisory Committee;
(6) the Joint Medical Services and Equipment Sub-committee;
(7) the Insecticide Working Party of the Defence Medical Services Committee;
(8) The Technical Co-operation Programme (TTCP) Sub-group N Panel N5—National Leader;
(9) the National Medical War Planning Committee;
(10) the Hospital Accommodation Sub-committee (Dept Health);
(11) the Medical Personnel Sub-committee (Dept Health);
(12) the State Medical Planning Committee in each State and the Northern Territory;
(13) the Armed Services Medical Committee of the Australian Medical Association;
(14) the Council of Post-graduate Medical Federation of Australia;
(15) the Divisional Council of the Victorian Division of the Australian Red Cross Society;
(16) the National Blood Transfusion Committee;
(17) the RAN Life Saving Committee;
(18) the Joint Services Medical Planning Committee;
(19) the Hospital Services Committee of the Australian Red Cross Society.

30. The Medical Director-General is responsible to the Chief of Supply for the following matters connected with the supply of medical and dental stores:

a. fixing of scales (establishments);
b. procurement, storage, issue, survey and disposal of stores;
c. maintenance of adequate stocks for peace and war.

Delegations. The Medical Director-General exercises the following financial delegations:

a. to incur expenditure in Australia or overseas on medical and dental treatment of naval personnel (subject to rates and conditions approved by the Naval Board)—to limit of funds available;
b. to incur expenditure on local duty travel for Service and civilian officers of the directorate;
c. to sign 'Person Incurring Expense' certificates;
d. to write off stores condemned obsolete or unserviceable through fair wear and tear—limit in any one case $200.

31. The Medical Director-General is responsible to the Secretary for:

Estimates and Expenditure Control. MDG is responsible to the Secretary for the collation and submission of estimates and for expenditure control of the following items of expenditure:

a. Medical and Dental Stores purchased by ships operating in remote localities.
b. Medical and Dental Services in Australia and overseas.

Head of Naval Personnel Branch

(Short Title: HPB)

32. The Head of Naval Personnel Branch is the representative of the Secretary in the office of the Second Naval Member with responsibility for providing information, advice and assistance to the Second Naval Member, Personnel Directors-General and Directors, and also members of the Naval Board and other senior officers of the Department on:

a. the financial and departmental aspects of policy concerning pay, allowances and miscellaneous entitlements, conditions of entry, promotion, service and retirement, retirement benefits, courses of training, organisation of branches, complements and establishments numbers; and
b. the practices and procedures necessary in the administrative application of the various facets of policy referred to in a. above, and in the performance of the Departments normal personnel administrative tasks.

33. Additionally, HPB is responsible for:

a. the presentation and periodic reviews of the departmental estimates and budgetary control of expenditure on pay, allowances, travel and training of naval personnel;
b. the preparation of Naval Financial Regulations and amendments thereto, Determinations required under these regulations, the continuing revision of Naval Pay Instructions and, in conjunction with DGM, the continuing revision of the Manuals of Promotion Instructions for the RAN and RESERVES;

c. in accordance with policy as determined by the Naval Board, the administration of regulations and instructions relating to financial entitlements for naval personnel;

d. the maintenance and custody of records of naval personnel and the various administrative tasks flowing from this function;

e. the arrangement of procedures necessary to cover the control of Fleet examinations, prize awards, war medals, advice of casualties, and general matters, eg, Parliamentary elections within the Fleet;

f. the issue of instructions implementing Naval Board decisions on personnel matters and the drafting of statutory rules and amending regulations;

g. the issue of commissions and appointments and the arrangements for Orders-in-Council;

h. the editing of the Navy List;

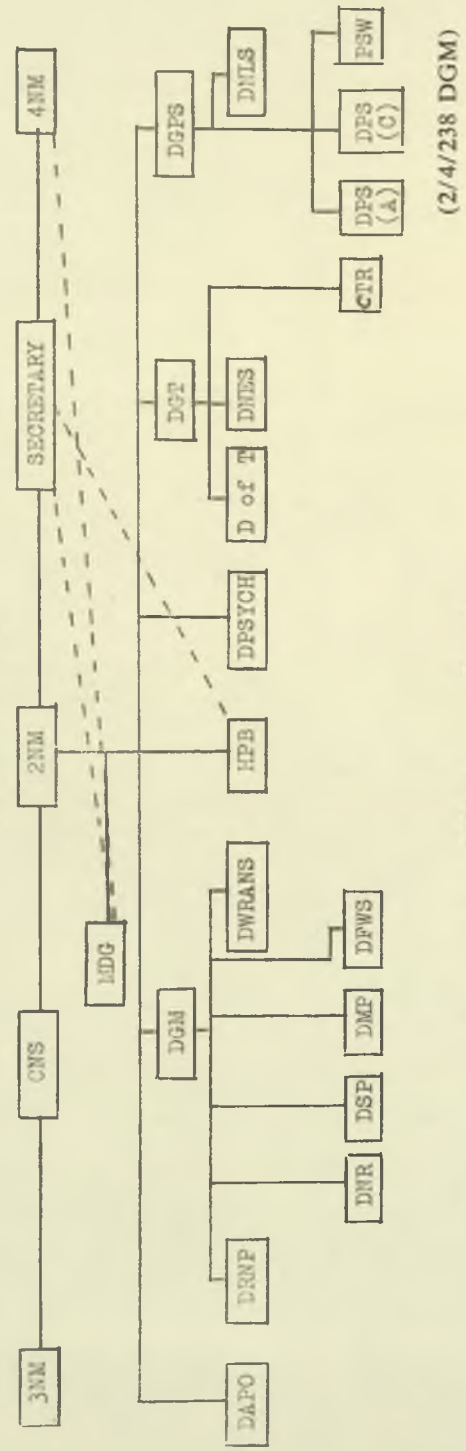
i. maintenance of liaison with representatives of the Army, Air Force and Treasury (Defence) Departments;

j. preparation of comments on agenda for meetings of the Treasury (Defence) Finance Committee and of the Defence Forces Retirements Benefits Board, so far as they relate to naval personnel matters;

k. providing representation at appropriate levels on inter and intra departmental working parties and committees.

ANNEX B

Organisation Chart



(Navy Order 874/68)

(2/4/238 DGM)

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HISTORIAN

RESTRICTED

ANOs 419/70-423/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21341/70

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CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

419/70—Security of Personal Safes Fitted in RAN DDGs

1. Personal safes fitted in RAN DDGs may be used for the ready-use stowage of classified matter as follows:

	At Sea	*In Harbour*
a. when fitted with Chatwood Milner Mark III combination lock	SECRET	CONFIDENTIAL
b. when fitted with Sargent and Greenleaf combination lock ET/MP and T/MP series	SECRET	CONFIDENTIAL
c. when fitted with Sargent and Greenleaf combination lock 'R' series	CONFIDENTIAL	CONFIDENTIAL

2. When fitted with any other type of combination lock they should not be used for the custody of classified matter.

3. An instruction giving the level of classified matter which may be held in the above safes is to appear inside each safe.

4. ABR 337 'Instructions for Physical Security in the RAN' Volume I Annex M will be amended.

(1617/5/26 DNI)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

420/70—Ammunition—Demolition Stores—Introduction of New Range

(*DCI (RN) 450/70*)

1. A new range of general purpose demolition equipment has been developed by the British Army and they will eventually replace some of the current demolition stores in RAN service.

2. The relevant items now becoming available and the items they will supersede are detailed in Annex A to this Order. Other demolition stores are still under development and details will be promulgated when these become available.

3. Details of make-up, use, packaging and stowage are given in Annex B.

4. Cordtex for general use will continue in service until existing stocks are exhausted. Cordtex and Cord Detonating are interchangeable.

5. Fuze Safety L1A1 supersedes both Fuze Safety Nos 11 and 18. As, and when stocks of Fuze Safety L1A1 become available HMA ships should arrange for the superseded types to be returned to the nearest RAN Armament Depot and Fuze Safety L1A1 drawn in lieu.

6. Detonator Demolition Electric L2A1 will be used in lieu of Detonator Electric No 79 for deep water use.

7. The appropriate Naval Proportion Book, Demolition Drill Book (BR 1836) and Warrants of Naval Armament Stores will be amended in due course.

ANNEX A

New Range Demolition Stores

Old SR No	*Old Nomenclature*	*New SR No*	*NATO Codification*	*New Range Nomenclature*	*Remarks*
637392	Cordtex for general use	637444	1375–99–961–5822	Cord Detonating L1A1	—
637369	Fuze Safety No 11 Mk 2	637421	1375–99–961–5823	Fuze Safety L1A1	—
637382	Fuze Safety No 18 Mk 1	637159	1375–99–960–7296	Detonator Demolition Electric L2A1	For use in lieu of Detonator Electric No 79 for deep water use
—	—	638290	—	Clip Demolition	For use with 637444 Cord Detonating
—	—	639422	—	Sleeve Sealing	For use with 637444 Cord Detonating and 637421 Fuze Safety L1A1

ANNEX B

New Range Demolition Stores

Detonators Demolition Electric L2A1

1. a. The detonator consists of an aluminium tube 2.40 inches long with a maximum diameter of 0.256 inch. The filling is made up as follows:
   (1) A priming composition of 0.35 grams of ASA.
   (2) One granulated CE pellet of 0.30 grams.
   (3) A pressing of three CE pellets each of 0.25 grams.

   b. An electric fuzehead assembly is incorporated in the upper portion of the detonator tube and secured in position by crimping. The assembly consists of an electric fuzehead, a silicone rubber sleeve (closed at one end) and a pair of flexible conducting leads, 3 feet in length. The ends of the leads pass through apertures in the closed end of the silicone rubber sleeve and are soldered, one to each pole piece of the fuzehead. The open end of the silicone rubber sleeve extends the length of the fuzehead.

   c. The flexible cable is wrapped round the detonator tube.

   d. A polythene protective cover is provided to fit over the crimped end of the detonator.

   e. The detonator has a resistance of 0.9 to 1.6 Ohms and is designed to function within 0.01 to 0.03 seconds when a current of 0.55 amperes is applied.

   f. A quantity of these detonators will be obtained for trial purposes and further instructions issued when results are available.

   g. The detonators are packed as follows:
   (1) Five detonators in Polythene Container L211A1.
   (2) Twenty-five containers in Steel Box H82 Mark 1—Dimensions H11 inches × W3.8 inches × L7.6 inches.
   (3) Four boxes H82 Mark 1 in Steel Carrier No 26 Mark 1 (Steel)—Dimensions W16 inches × H11.75 inches × L8.375 inches for transport requirements only.

   h. Detonators Drill are being produced but are unlikely to be available for some time.

Safety Fuze L1A1

2. a. The fuze consists of a train of gunpowder enclosed in spinning and countering yarns contained in a tubular wrapping of water-proofing composition, the whole being protected by an outer, dark green polythene covering. The final overall diameter is between 0.195 inch and 0.205 inch. The fuze is produced in 25 foot coils, the ends being sealed with an aluminium cap and a bitumen and microcrystalline wax compound. A sleeve sealing made of silicone rubber is loosely fitted over each end of the coil. The sleeves are provided to place over exposed ends of safety fuze when the fuze is laid to prevent ingress of moisture.

   b. Trials carried out have established that the safety fuze will operate satisfactorily down to 250 feet. Burning rates will increase with depth and at 60 feet will be of the order of 20 seconds per yard faster (ie, 100 seconds ± 10 seconds per yard). Further information will be promulgated as it becomes available.

   c. The fuze is manufactured in lot sizes of between 5,000 and 6,000 feet.

ANNEX B—*continued*

   d. Ships future outfit allowances will be the sum total of the current allowances for Fuze Safety No 11 and No 18.

   e. Instructional and Drill Versions are not produced.

   f. The fuze is packed in 12 cylinders No 32 Mark 8 Dimensions 5.15 inches Dia × 2.55 inches H in Box Ammunition M341 Mark 3. Each cylinder contains two 25 foot coils of Safety Fuze L1A1 and Sleeves Sealing (one at each end of each coil).

Cord Detonating L1A1

3. a. The detonating cord consists of a core of PETN of 43.75 grams per foot surrounded by spinning and countering yarns, the whole being protected by an outer, natural-coloured polythene covering. Some cord has been produced with the polythene covering coloured grey. The final overall diameter is between 0.190 and 0.210 inch.

   b. Lot sizes are approximately 20,000 feet divided into reels of 500 feet in length. The ends of the detonating cord on each reel are sealed with an aluminium cap and a bitumen and microcrystalline wax compound.

   c. The cord is packed as follows:
   500 feet of Cord Detonating L1A1 on reel No 443 Cylinder Mark 1 with Ammunition Container L402A1 (Tin Plate) containing 40 clips Demolition and 100 Sleeves Sealing packed in the centre of the reel.

   One reel and one ammunition container packed in Cylinder No 443 Mark 1/1 (Tin Plate).

   Two Cylinders No 443 Mark 1/1 are packed in outer Box M340 Mark 1.

   d. Clips Demolition are provided to facilitate the attachment of detonators to the cord.

   e. Sleeves Sealing are used to fit over the ends of exposed cord to prevent ingress of moisture.

   f. Instructional and Drill Versions of Cord Detonating are not being produced. Imitation Cordtex Mark 1 will continue to be used for drill purposes.

HMA Ships Stowage and Explosive Group Numbers

4. HMA ship stowage arrangements for the new stores given in Annex B will remain the same as for the stores they are superseding.

5. The Explosive Group Numbers for HMA ships stowage purposes will also remain unaltered, ie:

Store	*Explosive Group No*
Cord Detonating L1A1	2
Fuze Safety L1A1	9
Detonators Demolition Electric L2A1	10

6. Article 2005 of BR 862 (Naval Magazine and Explosive Regulations) will be suitably amended.

(715/51/380 DAS)

RESTRICTED

421/70—Aviation Fuels—Quality Control on HMA Ships

1. Investigations into fungal, bacterial and particulate matter contamination of AVCAT held in HMA ships have indicated the need for more stringent quality control of aircraft fuels in the RAN. This order specifies the minimum quality control required in the delivery, stowage and issue of RAN aviation fuels. It should be read in conjunction with relevant instructions contained in the following publications:

BR 1754 (1968) 'Safety Regulations for Storing and Handling Petroleum, Etc, in HM Ships'.
BR 3000 'Marine Engineering Manual'.
BR 3001 'Marine Engineering Technical Instructions'.
BR 3321 'Aviation and Motor Transport Fuel Systems in HM Ships'.

Fuels Used

2. a. *AVCAT*
   (1) Aviation turbine fuel (AVCAT) currently supplied for use in the RAN is of the high flash point type (140° F minimum) to permit its stowage in the unprotected tanks of HMA ships.
   (2) AVCAT is supplied in Australia to Specification DEF (Aust) 207A.

   b. *AVGAS*
   (1) Aviation gasoline (AVGAS 115/145) is currently supplied for use in Tracker Aircraft.
   (2) AVGAS 115/145 is supplied in Australia to Specification DEF (Aust) 215.

Necessity for Quality Control

3. Quality Control during storage and handling of fuels, particularly bulk stocks, is necessary in order to ensure that clean dry fuel is delivered to aircraft. To this end, particularly in the case of AVCAT, stringent measures must be exercised to ensure that water, fungal growth and solid matter are eliminated during all stages of storage and handling. Fungal spores, which are present in all kerosenes, germinate at the interface between a water layer and the AVCAT and, if given sufficient time, develop into jelly-like masses. This fungal growth and certain types of bacteria may seriously affect filters, electrical circuits and integral (metallic) fuel tanks in aircraft. Additionally, fuel system malfunction at altitude may be experienced due to freezing of free water droplets.

4. To ensure standardised Quality Control the AVFUEL installations shall provide for the following minimum requirements:

a. *AVCAT Installation.*
   (1) Stowage of 'Dry' type (ie, non-water displacement) with all ferrous surfaces treated with an approved epoxy coating, eg, British Paint Epilux 4. AVCAT fuel tanks to be painted with an epoxy system consisting of one coat of epoxy primer and three coats of epoxy enamel. Tanks are to be cleaned out and certified gas free prior to painting. *Surface preparation:* tanks must be blasted to white metal surface.
   (2) A system for the detection and removal of settled water from the bottom of the stowages.
   (3) A system of sampling points to enable quality checks of fuel to be made during embarkation, stowage and delivery to aircraft.
   (4) A fuel delivery system incorporating an approved water separator and particulate filter, including safeguards to ensure that in the event of malfunction water cannot pass to the aircraft.

b. *AVGAS Installation.*
   (1) Stowage with all ferrous surfaces treated with an approved epoxy coating, eg, British Paint Epilux 4. AVGAS fuel tanks to be painted with an epoxy system consisting of one coat of epoxy primer and three coats of epoxy enamel. Tanks are to be cleaned out and certified gas free prior to painting. *Surface preparation:* tanks must be blasted to white metal surface.
   (2) A system of sampling points to enable quality checks of fuel to be made during embarkation, stowage and delivery to aircraft.
   (3) A fuel delivery system incorporating an approved water separator and particulate filter, including safeguards to ensure that in the event of malfunction water cannot pass to the aircraft.

5. The extent to which HMA ships concerned can meet the above requirements, and the modifications necessary for them to do so are as follows:

a. *HMAS MELBOURNE:*
   Can satisfy all of Paragraph 4a and 4b; therefore no modifications are necessary.

b. *HMAS SUPPLY:*
   On completion of work specified for 1969-70 refit. Will satisfy all of Paragraph 4a except that safeguards in 4a(4) are not necessary, 4b(1) and 4b(2) for embarkation and delivery to ships; the provision of 4b(3) is not necessary.

c. *HMAS SYDNEY (AVCAT only):*
   Cannot satisfy the requirements of Paragraph 4a(1), (2) and (3) at all or 4a(4) efficiently, and will require major modification to system.

d. *HMAS STALWART (AVCAT only):*
   Can satisfy all the requirements in Paragraph 4a, with the exception of safeguards in filter/coalescer.

e. *HMAS MORESBY (AVCAT only):*
   To satisfy the requirements in Paragraph 4a fully the following modifications are necessary:
   Recoating of stowages.
   Means of detecting and removal of water from stowages.
   Sampling points provided and fit a new filter/coalescer to replace the existing one.

The necessary drawings showing modifications to satisfy Quality Control requirements are being prepared for ships concerned and they will be advised on procedure to be adopted to effect these modifications, eg, A and A or D/L action.

6. a. Pending the completion of modifications to existing systems, and in order to achieve some interim measure of Quality Control in HMAS SYDNEY and HMAS MORESBY, arrangements are being made to effect the following modifications as soon as practicable:
   (1) *HMAS SYDNEY:*
   To fit an appropriate type and size filter/coalescer in the delivery line to aircraft.
   (2) *HMAS MORESBY:*
   To fit a system for detection and removal of settled water.
   Provide sampling points at stowage and filter/coalescer discharge line, and to fit a new filter/coalescer to replace existing one.

b. HMAS STALWART is to fit safeguards in filter/coalescer to satisfy all of the requirements. This work is to be carried out by ships staff.

Deliveries to HMA Ships

7. a. *Documentation:*

In all instances where aviation fuels are supplied by a contractor to HMA ships the following requirements shall apply:

(1) Deliveries must be accompanied by a Release Note which quotes the relevant test report(s) and batch numbers to enable checks back to source.

(2) All Release Notes issued against deliveries of AVCAT to HMA ships are to indicate test results for flash point, particulate matter and fungal contamination.

Note: The foregoing documentation requirements do not apply where aviation fuel supply is effected from other sources, eg, RFA tankers, HM ships or establishments, and USN. In such instances, however, it is required that issue vouchers state the NATO Code No of the fuel supplied and, if possible, in the case of AVCAT (JP-5), the specific gravity and the flash point. Additionally, if test reports are not available, 2 × 1 quart samples should be taken from the loading line for subsequent laboratory analysis if required. These should be taken in clean well corked dark coloured bottles and retained on board until the fuel they represent is consumed.

b. *Receipt Inspection—AVCAT:*

Before and during receipt of AVCAT a representative of the Engineer Officer of the receiving ship shall take samples in containers that permit visible inspection of the fuel. The criteria for the acceptance or rejection of AVCAT are as follows:

(1) A clear, clean sample indicates acceptable AVCAT is being received.

(2) If the sample is cloudy, the delivery operation should be stopped until the source of the cloud is determined by observing the sample:

(A) If the cloud disappears at the bottom, air is present and the AVCAT is acceptable.

(B) If the cloud disappears at the top, water is present and the AVCAT should be accepted only in an emergency.

(C) If the cloud does not commence clearing in five minutes, the sample shall be heated to about 25° (F) above the temperature of the fuel in the tank from which the sample was taken. If the sample clears, the cloud was due only to dissolved water and the AVCAT is acceptable. If the sample does not clear, excessive water is present and the AVCAT should be accepted only in an emergency.

(3) If there is obvious visual evidence of solid contamination in the sample the AVCAT should be accepted only in an emergency.

c. *Receipt Inspection—AVGAS:*

Before and during receipt of AVGAS a representative of the Engineer Officer of the receiving ship shall take samples in containers that permit visible inspection of the fuel. Fuel should be free from water and sediment and should be perfectly clear. Mistiness or pronounced colour fading is indicative of contamination or deterioration. Colour shall conform to the grade shown on the delivery note, namely: AVGAS 115/145—Purple.

Quality Control of AVCAT and AVGAS

8. a. *Storage Tanks:*

(1) *Removal of Settled Water:*

Except in those installations where a water bottom is authorised, daily water checks are to be carried out and any water found is to be removed without delay. Checking for and removal of water is to be carried out after overnight settling and before addition or withdrawal of fuel.

Test for water in suspension using an appropriate water detector with further settling or recirculation.

Notes: 1. This check may be effected weekly when no movement of fuel is occurring in the installation. In such circumstances the daily check is to be resumed immediately prior to the recommencement of flying operations.

2. A water check and removal of free water is to be effected not more than one hour prior to and not less than one hour after receipt of fuel into storage, except where contaminated fuel as defined in Paragraph 7b has been accepted in an emergency, in which case the settling period shall be extended to the time for next routine water check.

(2) *Internal Preservation:*

In any instance where a fuel installation is likely to be out of service for a period exceeding three months, pumps, fans and motors are to be given adequate protection in situ. Water-displacing fluids are not to be used for the internal protection of aviation fuel tanks as they are difficult to remove completely and they affect the water reaction of the fuel.

(3) *Periodical Inspection:*

Storage tanks are to be examined and cleaned as necessary whenever liquid level falls below suction and in any case at intervals of not more than one year.

Caution

Never clean aviation fuel tanks by the chemical cleaning process using solvent emulsifier type compounds. Small quantities of the chemical type cleaners remaining in the tanks after cleaning will contaminate the coalescer elements in the filter/separator and destroy their coalescing ability.

b. *Fuelling Equipment:*

(1) *Filters:*

Generally, filters fitted to fuelling equipment are to be inspected, cleaned and serviced regularly.

Filter/Coalescer:

These units are to be checked frequently during operation and all water drained off. Renew elements when the prescribed pressure drops are reached (refer to Manufacturers handbook) and annually regardless of pressure drops.

Streamline Filters (where fitted):
These filters are to be drained off at the commencement of each days flying. When critical pressure drops are reached (refer to Manufacturers handbook) clean by back flushing and if these pressures persist at normal flow it may be assumed that the elements are at saturation point and must be renewed.

Note: It is to be noted that pressure drops are related to flow, and therefore varies with each type of aircraft that is fuelling.

(2) *Fuel Delivery Nozzles:*
The filters in the delivery nozzles are to be inspected at least once a week and cleaned or repaired as necessary. The nozzle dust caps are to be inspected for security daily. They are to be removed only during actual refuelling operations and replaced immediately afterwards.

(3) *Water and Sediment Checks:*
It is required that fuel delivered to aircraft from fuelling equipment be clean and bright, free from suspended solid matter and contain no detectable free water at the ambient temperature of refuelling. To ensure that this requirement is satisfied and to ensure that strainers, filters and separators fitted to fuelling equipments are functioning efficiently in removing suspended solid matter and water, all fuelling equipment is to be tested for water and sediment, at the start of each day, before fuelling operations commence.

Water Detector Test

Note 1. Aircraft Fuelling Points:
Flush hose with fuel for one minute, take sample for water detector test from sampling point.

Visual Test

Note 2. Sampling:
Where practicable the test is to be done by draining a sample from the appropriate points into a suitable container for visual examination.

Sample Inspection:
Samples must be 'clean and bright and contain no free water'. The terms 'clean' and 'bright' are independent of natural colour of the fuel. 'Clean' means the absence of any cloud, emulsion, readily visible sediment or entrained water. 'Bright' refers to the shiny appearance of clean dry fuels. A cloud, haze, specks or sediment, or entrained water, indicates that the fuel is probably unsuitable and points to a breakdown in filter/separator elements.

Note 3. Product Rejection:
If large quantities of water or solids are found, refuelling shall be suspended and the reasons for contamination shall be investigated and rectified if practicable. A Millipore sample (*see* Annex A) should be taken where excessive solid matter contamination is evident or suspected and refuelling from the equipment in question suspended until laboratory analysis has established the extent of contamination. For information, AVCAT fuel deliveries from fuelling equipment to aircraft should not contain more than 1.0 mg/litre of solid contaminants and shut-down of equipment shall be effected if a level of 2.0 mg/litre is reached.

c. *Particulate Matter Determination (AVCAT):*
For routine control purposes a particulate matter check by the Millipore method shall be effected on AVCAT stocks at quarterly intervals. Procedure to be observed is shown in Annex A.

d. *Microbiological Contamination Control (AVCAT):*

(1) Whenever Millipore samples are taken, microbiological monitors should also be obtained (1-litre samples) from the same points and, additionally, a 1-litre fuel sample should be drawn from the flexible flushing line of the Millipore Sampling Device to enable a laboratory check for corrosive sulphur.

Note: One-litre brown bottles, DSN 8125 66-019-2650, or in emergency dark coloured whisky bottles, rinsed with fuel, may be used for corrosive sulphur check samples.

(2) When obtaining samples at the point of delivery to aircraft it is desirable that each fuel storage tank be used in turn so that the information obtained can be related for each and every stowage.

(3) The procedure to be observed for microbiological checking is shown in Annex A.

Quality Control of Defuel Material

9. a. Aviation fuel stored in the tanks of aircraft is subject to rapid 'weathering' (deterioration). Aviation fuel stored in aircraft tanks for a period of six months or more in temperate conditions is to be drained from the tanks and fuel system and ditched. The aircraft tanks are to be cleaned by flushing with fuel and then refuelling with fresh fuel of the appropriate grade before being brought into service.

b. In tropical or sub-tropical areas, aviation fuel stored in aircraft tanks for three months or more is to be considered suspect and dealt with as in Paragraph 9a above.

c. When fuel from aircraft tanks is returned to ships tanks the defuelling arrangements are to be such that the dispensing filters are not used in reverse. The fuel should be returned to tanks not currently being used for fuelling.

d. In the case of aviation fuel disembarked from HMA ships, arrangements are to be made through the Captain of the Port, Sydney, for the taking of samples of the fuel delivered to Lighter tanks. (*See* Note.) These fuel samples are to be submitted to the Defence Standards Laboratories for NATO Type A tests (full specification). The results, which will be reported to SAMR, with copies direct to authorities concerned (eg, ships, Fleet Technical Officer, C of P, Sydney), will recommend whether the fuel can be held for return to the ship or requires treatment or transfer to shore establishments. The decision on acceptability or otherwise will be made and communicated by SAMR.

e. Should the holding period of disembarked fuel exceed two months, NATO Type B-1 tests (*see* Annex B) are to be carried out by arrangements similar to those in Paragraph 9d above to determine suitability of the fuel for use. Fuel accepted by SAMR as fit for use must be transferred to ship or establishment within 14 days of SAMRs notification of acceptance. If not transferred within this time limit the fuel must be retested for acceptance.

Note: The responsibility for ensuring lighters are in a clean condition for the receipt of aviation fuel rests with the Captain of the Port, Sydney.

ANNEX A

Fuel Sampling by the Millipore Method

1. The Millipore fuel sampling technique is to be used for determining the cleanliness of aviation fuels. This technique provides for two types of fuel sampling:

a. Particulate matter (solid contaminant).

b. Microbiological (fungal growths).

2. The principle of operation of this sampling method is to assess, by laboratory analysis and processing, the amount of solid matter or fungal growth retained on a monitor membrane (or filter) after passing a measured amount of fuel through an appropriate monitor used with the kit.

Instructions

3. The sampling kits contain one carton of particulate matter monitors which are to be dispatched as required for pre-weighing to:

Defence Standards Laboratories,
PO Box 50,
ASCOT VALE, VIC.
or
Defence Standards Laboratories,
Bourke Road,
ALEXANDRIA, NSW.

marked for the attention of Fuels and Lubricants Section and quoting this Navy Order as the authority. Microbiological monitors are not supplied with the kits. Requirements are to be demanded (Ident No 6630-PN-MAGB-037PO, Monitor, Field Millipore) from SNSO, Sydney.

4. DSL staff will weigh, serially number and register each particulate matter monitor. The weighed particulate matter monitors will be distributed by DSL in suitable mailing containers complete with identification and information labels which are to be completed by the user ship when the sample has been taken. The maximum shelf life for monitors is 12 months and monitors are to be used on a first in first out basis so that accrued shelf life will be kept to a minimum.

Samples (AVCAT and AVGAS)

5. Samples are to be taken for submission as tabulated below:

Event	*Samples*	*Submission Frequency*
Routine	Taken from: (1) Stowage (Avcat only) (2) Coalescer Filter Discharge (3) Aircraft Service Points	Quarterly
Immediately after a Dockyard Refit and prior to Fuelling Aircraft	Taken from: (1) Stowage (Avcat only) (2) Coalescer Filter Discharge (3) Aircraft Service Points	Immediately after the event
New elements fitted to system filters or partial refit of ships Avfuel System likely to Generate or Dislodge Solid Matter	Taken from Aircraft Service Points	Immediately after the event

ANNEX A—*continued*

Event	*Samples*	*Submission Frequency*
On request by Defence Standards laboratories for further or additional analysis	As requested	Immediately after the event
On any occasion when there are reasons to doubt the quality of fuel	Taken from: (1) Stowage (Avcat only) (2) Coalescer Filter Discharge (3) Aircraft Service Points	Immediately after the event

6. Before using the Millipore fuel sampling kit the following points are to be clearly understood:

a. Pressure at the sampling point is not to exceed 100 psi as membrane rupture may result if the pressure or combined line and surge pressures exceed this figure. During sampling do not shut off any valve on the installation or vehicle until the three-way valve of the Millipore bomb sampler has been turned to the OFF position.

b. Strict precautions must be observed with regard to cleanliness during the sampling operation. Each particulate matter monitor has been pre-weighed to the nearest 0.05 milligram and each microbiological monitor has been sterilised. For obvious reasons, particular care must be taken to ensure that no contamination of the monitor is permitted other than from the fuel being sampled.

c. If at any stage the monitor is opened inadvertently, it should be destroyed.

Cleaning of Sampling Kit Components

7. a. Store the Millipore kit and monitors in a dustproof room or cupboard.

b. Immediately before and after taking a Millipore fuel sample, clean the components of the sampling apparatus by washing them in methylated spirits. Flush the fuel sampling hose with methylated spirits.

c. Dry out the components on clean paper in a dustproof atmosphere.

d. Protect the components and hoses in polythene bags or non-fibrous wrapping when not in use.

Sampling Procedure

8. The sampling procedure detailed below is to be read in conjunction with the operating instructions located inside the lid of the Millipore carrying case:

a. A quick release sampling valve will be fitted at the appropriate sampling point in the avfuel installation. To prevent the entry of contaminant, ensure that the valve cap is in place when the valve is not in use.

b. Inserting the Monitor. Unscrew the bomb sampler cover. Clean the outer surface of the monitor with Kleenex tissue or Paper Machinery Wipers and remove the protective plugs from the monitor openings; first the red plug from the bottom (spoke side) then the blue plug from the top. The

plugs should be placed in a clean receptacle and retained in a clean condition until the sample has been taken. Insert the monitor into the bomb sampler SPOKE SIDE DOWN and plain side of monitor in contact with the 'O' ring in other half of the bomb.

c. Assembling the Bomb Sampler. Screw the bomb sampler base up into the bomb sampler cover and tighten firmly. Connect the by-pass hose from the three-way valve into either hole in the side of the bomb sampler base and insert the plug in the other side. The plug is not to be inserted for bottle sampling; provision must be left for venting of air as the bottle fills.

d. Attaching the bottle:

(1) Direct Bottle Sampling Method (Normally Used For Microbiological Sampling). Select the appropriate polyethylene sample bottle and screw it onto the base of the bomb sampler.

(2) Remote Sampling Method (Normally Used For Contaminant Sampling). Attach the remote sampling adaptor and hose into the base of the bomb sampler.

e. Connecting the Bomb Assembly to the Sampling Valve. With the three-way valve in the OFF position and the hose connected to the Millipore bomb, remove the protective cap from the sampling valve in the installation and connect the quick release self-sealing sampling valve connector.

f. Flushing the Inlet Hose. With the test system operating turn the three-way valve to FLUSH position (valve handle pointing to the by-pass outlet). Allow approximately one pint of fuel to flow through the by-pass tubing to flush entrained contaminants from the inlet valve, hose and three-way valve.

g. Taking the Sample. Holding the bomb sampler assembly upright slowly turn the three-way valve to TEST position (valve handle is now parallel to inlet hose) and allow the appropriate amount of fuel to flow through the monitor. Upon completion of the sampling operation and before closing any valve or before turning off the installation pump, turn the three-way valve to the OFF position again.

h. Disconnect the bomb and hose assembly from the pressure line sampling valve and replace the protective cap on the sampling valve. Remove the bomb sampler base from the bomb sampler cover and take out the monitor.

j. Removing the Excess Fuel from the Monitor—insert the angle leg of the syringe gently but securely into the bottom ('SPOKE' side) hole of the monitor. Hold the monitor upright and evacuate the fuel by slowly withdrawing the syringe plunger. (Evacuate excess fuel only from MICROBIOLOGICAL monitors, leaving them in a slightly fuel wetted condition.) Where Fuel System Icing Inhibitor (FSII) has been added to the fuel wash the microbiological monitor three times with distilled water administered from a clean syringe. Do not use the metallic syringe provided to remove the excess fuel and water. Leave the monitor in a moist state. Particulate matter monitors are to have all fuel removed. Remove the syringe, recap the monitor with polyethylene plugs and the monitor is now ready for laboratory analysis. CAUTION—the syringe plunger should never be depressed whilst the monitor is attached to the syringe as rupturing of the filter membrane may occur.

9. Record on the identification and information labels supplied with the monitors, all the required details including the serial number of the monitor, type of sample, location of sample point, quantity of fuel passed through the monitor and settling time

of storage or vehicle tank if the sample has been taken from the inlet side of a filter water separator. The mailing container is then to be dispatched to the Defence Standards Laboratories as shown in Paragraph 3.

Note: It is essential in the case of particulate matter monitors that these be dispatched to the Laboratory which did the original weighing.

10. On completion of their anaylsis, DSL will advise SAMR of the test results and will also dispatch a copy of the laboratory report to the Engineer Officer of the ship/establishment concerned.

ANNEX B

NATO Type B-1 Test on Aircraft Reciprocating Engine Fuels

Water and Solids (visual check)
Colour (visual)
Specific Gravity
Distillation
Corrosion, Copper Strip
Existent Gum
Reid Vapour Pressure
Water Reaction
Lean Mixture Rating
Rich Mixture Rating
Lead Content.

NATO Type B-1 Test on Aircraft Turbine Engine Fuels

Water and Solids (visual check)
Colour (visual)
Specific Gravity
Distillation
Corrosion Copper Strip
Freezing Point
Existent Gum
Flashpoint
Water Reaction
Lead Content (if contaminant with lead fuels is possible, eg, from multi-product pipelines).

(1211/51/709 CNTS)

RESTRICTED

422/70—DDGs—Stability and Displacement

1. RAN DDGs require strict control of weights to ensure that satisfactory reserves of stability and displacement are maintained throughout their running lives.

2. Particular attention is to be given to the need for full moment compensation to be provided for all alterations and additions, modifications, defect remedial actions, increases in establishment of stores, increases in complement, etc, which, if not compensated, would result in a rise of the ships centre of gravity. Full weight compensation for any changes is also required.

3. Proposals for any changes are to be submitted to Navy Office for approval and each is to be supported by appropriate weight surrender proposals. Changes are not to be undertaken until the approved compensating weight has actually been landed from the ship.

4. Care is to be taken that stores are not embarked in excess of approved establishments.

5. Confidential Navy Order 52/67 is hereby cancelled.

(1205/255/76 DSD)

(*Confidential Navy Order 52/67*)

RESTRICTED

423/70—4.5 Inch Twin RP41 Mark 6 Series Mountings—Combined Control and Cut-off Valve Assemblies

1. Combined Control and Cut-off valve assemblies are in the process of being modified to the 4.5 inch Mark 6* Mod 3 Mounting configuration to improve performance and reliability and are being ship fitted on a repair by replacement basis as modified valve assemblies become available.

2. Generally, the assemblies are modified in accordance with Drawings N57531, N57572 and N57532 in all respects except that Shuttle Valve item 24B Drawing N36470 Rev is fitted to allow assemblies to be fitted in any position on the revolving and fixed structure shell and cartridge hoists.

3. During the course of modification it has been necessary in the majority of cases for the valve bodies to be line bored oversize to remove scoring and alignment deficiencies, resulting in the fitting of oversize shuttle and/or control valves.

4. On completion of modification all valve assemblies are bench tested, the acceptance flow rates conforming to standard valve assembly requirements and each assembly is given a new serial number and issued with a history sheet showing relevant repair dimensions and test flow rate details.

5. The history sheet is to accompany individual assemblies on all occasions for issue to ships and return to Weapon Equipment Depots.

6. Due to valves being non-standard, component valves are not interchangeable between assemblies and care is to be taken on all occasions of repair, referring to the assembly history sheet for replacement valve dimensions.

7. In this respect ships so fitted will be issued with spare modified valve assemblies for repair by replacement purposes as a whole assembly on the following basis:

Daring Class—2 assemblies.
Type 12 DEs—1 assembly.

Issues will be made without demand as modified assemblies become available. Defective assemblies, on replacement, are to be returned as soon as possible to the Weapon Equipment Depot, Sydney, for repair.

(736/259/72 DAS)

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HISTORIAN

ANOs 424/70-435/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
10 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21796/70

CONTENTS

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

424/70—Fleetwork Trainer—HMAS CERBERUS

1. A fleetwork trainer has been installed in the Communication School, HMAS CERBERUS, and is now operational.

2. The trainer is in an air-conditioned building and can be used to illustrate fleetwork manoeuvres and to provide experience in the execution of detailed manoeuvring instructions. Students observe a large screen upon which are projected various symbols representing ships. The movement of the symbols across the screen is controlled by the students using controls in their respective cubicles.

3. Game speed may be either Action Speed or Five Times Action Speed. The game may be 'frozen' by the Instructor as necessary to explain any particular features of the game as they occur.

4. In addition to being a fleetwork training aid, the trainer also provides an excellent voice operator training aid in a simulated operational environment.

5. The fleetwork trainer is available for:

a. Tactical Category Courses and refresher training.

b. Midshipmen SLEX.

c. Any officer desiring refresher fleetwork training.

d. Command Team training.

The maximum number acceptable for training at any one time is 16.

6. Requests for the use of the fleetwork trainer should be directed to Commodore Superintendent of Training, HMAS CERBERUS, who will co-ordinate training.

(1427/201/80 D of T)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

425/70—Alteration and Addition Items—HMAS MORESBY

The following Alteration and Addition Items are approved to be carried out in HMAS MORESBY:

Class List Item No 48 (Ex TDL 'NHAL').

a. *Item:* *'Crews Galley*

a. Renew one, two oven range with a two oven range designed in accordance with specification NCM/6/A-4.

b. Fit one 8.5 cubic foot refrigerated servery with storage capacity under, in accordance with Navy Order 212/68. Unit to be sited as Item 5, plan (B).

c. Fit one 27 inch × 18 inch bench model griddle plate, and modify exhaust ventilation over this unit. Unit to be sited as in Item 7, plan (B).

d. Fit two dwarf bulkheads forward and aft of the waste disposal unit to isolate this unit from the food preparation bench and the stock pot.

e. Modify all sliding cupboard doors providing bright metal hinged doors with catches.

f. Land as redundant equipment:
One thawing sink from the butcher shop in the refrigerated lobby.
One 25 slice toaster, Item 5, plan (A).
One condiment shelf, Item 24, plan (A).
One dish warmer, Item 7, plan (A).
One 7½ gallon urn, Item 22, plan (A).

g. Fit six modules of plate racks over servery area. Units to be designed from stainless steel rod supported on angle iron base, each to facilitate storage of 20 dinner plates. Units to be designed to permit loading from within the galley with plates previously heated in the bain-marie hot cupboard.'

Class List Item No 49 (Ex TDL 'NHAM').

Item: '*Bakery*

a. Replace one 20 quart cake mixer with one 60 quart mixer. To facilitate dough mixing. Unit to be sited as Item 12, plan (B).

b. Resite existing baking oven to the after section of the bakery, existing exhaust ventilation is adequate.

c. Resite one gravity feed meat slicer from the galley to the bakery, Item 18, plan (B).

d. Increase width of access to bakery to 5 feet arch-way.

e. Fit one 2 foot × 2 foot × 6 foot high bread cooling rack designed with wire woven shelves 6 inches apart. Item 17, plan (B).

f. Fit one 4½ foot long stainless steel preparation bench with two cereal bins under, Item 9, plan (B).

g. Fit one 6½ foot long wooden topped, moulding bench with cupboards under, Item 19, plan (B).

h. Land as redundant equipment:
Two dough bins, Item 18, plan (A).
Two units of shelves, Item 19, plan (A).
One 20 quart cake mixer, Item 12, plan (A).
One water cooler, Item 20, plan (A).'

Class List Item No 50 (Ex TDL 'NHAN').

Item: '*Wardroom Galley*

a. Renew one single oven range with a single oven range designed in accordance with Navy Office specification NCM/6/A-4.

b. Fit one 18 inch × 14 inch bench model griddle plate and modify existing exhaust ventilation to suit this unit. Unit to be sited as Item 15, plan (B).

c. Modify all sliding cupboard doors, providing bright metal hinged doors with catches.

d. Land as redundant equipment:
One dish warmer, Item 15, plan (A).
One toaster, Item 16, plan (A).'

b. Weight variations are to be reported on completion of each item.

c. *Reference:* A. FOCAF Memorandum AF 1212/37/3 dated 24 August 1968.

(1228/52/176 CNTS)

UNCLASSIFIED

426/70—Alteration and Addition Item—HMAS WATERHEN

The following Alteration and Addition Item is approved to be carried out in HMAS WATERHEN:

Class List Item No 12 (Ex TDL 'NxG').

a. *Item:* 'To provide emergency communications between Engine Room and Wheelhouse by the fitting of pushes to operate the existing Klaxon alarms in accordance with Navy Office Drawing No 1149/47.'

b. The estimated additional weight is 10 lb.

c. *Reference:* Defect Form TM179 (AS2022) HMAS WATERHEN for 100 foot Patrol Boats E6/69, 20 May 1969.

(1234/51/263 CNTS)

UNCLASSIFIED

427/70—Alteration and Addition Item—RAN Oberon Class Submarines TDL 'NOL'

The following Alteration and Addition Item is approved to be carried out in HMA Submarines OXLEY, OTWAY, OVENS and ONSLOW:

Class List Item No 21 (Ex TDL 'NOL').

a. *Item:* 'The forward torpedo tube bow shutter gear is to be modified in accordance with Navy Office Drawing No 246/109 Rev 1, 5 sheets.'

b. Weight change is considered to be negligible.

c. *Reference:* HMAS OTWAYs Forms TM179 (AS2022) Serial Nos E5/69 and E6/69 dated 20 March 1969.

(1218/59/72 CNTS)

UNCLASSIFIED

428/70—Alteration and Addition Item—River Class and DDG Destroyers

The following Alteration and Addition Items are approved to be carried out in River Class and DDG Destroyers:

Class List Item Nos 408 (Ex TDL 'NFGJ') and *49* (Ex TDL 'NSBY') respectively.

a. *Item:* 'a. To remove existing work bench in Ikara Test Room.

b. To install combined work bench and secure stowages in Ikara Test Room at Fr 67½ (L), No 03 Deck. Bench and stowages to be constructed in accordance with Navy Office Drawing 235/543 Revision 1.'

Item: (*DDG Destroyers*)

'a. To remove existing work bench in Ikara Test Room and combination safe in MAR.

b. To install combined work bench and secure stowages to be constructed in accordance with Navy Office Drawing 235/543 Revision 1.'

b. A balance of 130 lb is to be landed from each ship—at 03 Deck or above for River Class Destroyers and at 01 Deck level or above for DDG Destroyers.

c. *Reference:* Raised at Navy Office by DSD on Form TM168, dated 6 May 1970.

(1215/260/60 CNTS)

UNCLASSIFIED

429/70—Accidents—Precautions Necessary when Operating Steam Ovens

(*DCI (RN) 759/1970*)

1. A serious accident occurred recently whereby a cook operating a steam cooking oven received first degree scalds.

2. The accident was due to a faulty ball cock and the overflow pipe which was clogged with grease and foreign matter. This caused an accumulation of water in the oven, possibly filling it. When the cook opened the door a flood of boiling water cascaded over his legs.

3. In a steam cooking oven an accumulation of grease can quickly build up and it is essential therefore that frequent cleaning of the ball cock and overflow pipe be undertaken.

4. Commanding Officers should ensure that the persons responsible for the operation and maintenance of such equipment are made fully aware of the dangers, and orders should be issued to ensure that a frequent inspection and maintenance routine is established.

5. When necessary the Works Officer responsible for maintenance should be consulted.

(177/1/155 DFSD)

UNCLASSIFIED

430/70—Air Stores Usage Control—Functions of ASUC Officers in Air Stations and Aircraft Carriers

1. Consequent on the establishment of an Air Stores Usage Control Organisation in HMAS MELBOURNE the functions of the Air Stores Usage Control Officer at present detailed in ABR 4, Article 0812, have been reviewed.

2. As from the date of receipt of this order, the functions of officers responsible for Air Stores Usage Control in Air Stations and Aircraft Carriers will be as stated in Annex A to this order.

3. ABR 4, Article 0812, will be amended.

ANNEX A

1. In order to achieve the economical use of stores an Air Stores Usage Control Organisation is operated by an Air Technical Officer who is to carry out the following functions:

a. *Air Stations*

(1) Control the issue of stores, including Support and Test Equipment, in short supply (*see* Paragraph 2) and decide the priorities between the various users of such stores.

(2) Decide the current priorities and quantities on urgent demands outside the Air Station.

(3) Arrange the speedy repair of repairable items and their subsequent use.

(4) Initiate local manufacture.

(5) Control 'Robbery Action' between squadrons and sections.

(6) Advise the Supply Officer on the ranges of items to be provided in each issue centre to meet the requirements of the section served.

(7) Provide technical advice generally and give assistance in identification, preservation and stowage to the Supply Officer.

(8) Advise the Supply Officer of future requirements which normal consumption data cannot reasonably be expected to provide.

b. *Aircraft Carriers*

(1) Control the issue of stores in short supply (*see* Paragraph 2) and decide the priorities between the various users of such stores.

(2) Decide the correct priorities, and quantities, on urgent demands outside the ship.

(3) Advise the Supply Officer on the range of items to be provided in each issue centre to meet the requirements of the section served.

(4) Provide technical advice generally and give assistance in identification, preservation and stowage to the Supply Officer.

(5) Advise the Supply Officer of future requirements which normal consumption data cannot reasonably be expected to provide.

(6) Provide the Supply Officer with a six monthly analysis of priority air stores demands listing:

(a) Average time for delivery to ship of AOG, IOR, URR and NORS demands.

(b) Special problems encountered in the supply of priority air stores to the ship.

(c) Recommendations to increase ships allowances.

(7) Maintain and amend the Supply Officers publications associated with the identification and supply of air stores.

2. To meet the requirements of a (1) and b (1) the ASUCO is to decide, in conjunction with the Supply Officer, what items of stores allowed to be held by the ship or station are in sufficiently short supply to necessitate control. Any such items are to be held in the main store only and a notation made there that they are ASUC controlled items.

(1213/52/874 DSAP)

UNCLASSIFIED

431/70—Fire Precautions—Delivery Hose—Hydrant Outlets

1. The attachment of unlined canvas delivery hose to hydrant outlets involves risk of deterioration of hose, and its failure in an emergency, should a drip leak develop from a hydrant valve.

2. In order to obviate this risk and to standardise procedures in establishments throughout the RAN it has been decided that the female screw threat coupling on delivery hose shall not be permanently connected to the male screw coupling on internal hydrant valves or external pillar type hydrants.

3. Where hose is stowed in flaked form in a cradle, attention must be given to the provision of sufficient free hose at the female coupling end to permit connection to the male hydrant outlet, before the branchpipe and hose is drawn away from the cradle.

4. To assure a good connection and prevent unnecessary leakage, regular examination of the washer positioned in the female coupling is essential.

(1446/1/45 DNW)

UNCLASSIFIED

432/70—Galleys—Precautions for the Prevention of Fire

(DCI (RN) 780/1970)

1. There have been a number of outbreaks of fires in galleys in HMA ships and establishments in recent years which have caused considerable damage to equipment and building installations. The relevant Fire Reports have shown that the fires started as a result of equipment being left unattended with the power on, and in one case the galley had been vacated in the evening without observing the standard safety precaution of shutting off the power at the main switches.

2. It is emphasised that deep fryers and similar equipment using cooking oil or fat constitute a very serious potential fire hazard and therefore this type of equipment must:

a. be kept scrupulously clean and free of carbon deposit on the side of the pans;

b. not be left unattended even for short periods when in operation with the power or fuel supply switched on;

c. be isolated when not in use by shutting off the power or fuel supply at the control panels on the equipment. When the galley is vacated, the Main Control Switches must be locked in the 'OFF' position.

3. An electric deep fryer must not be used if the control thermostat is defective or suspected of being defective. In these circumstances the fryer should be switched off at the control panel and where there is an independent Main Switch for the fryer this is to be locked in the OFF position. The defect and action taken are then to be reported to the Supply Officer or in his absence to the Officer of the Day. These instructions apply to all deep fryers whether fitted with a warning device or not. Where a warning device is fitted, failure of the control thermostat is indicaed by the lighting of the 'Thermostat Failure Warning Lamp' (Red) and the sounding of the alarm bell. In establishments and ships where there is no lamp or bell and the equipment is designed to switch off automatically if the control thermostat fails, thermostats must

not be by-passed and their correct functioning must be checked at monthly intervals by the Technical Staff.

(177/1/154 DFSD)

UNCLASSIFIED

433/70—Repair of .5 inch Calibre Browning Machine Guns

1. An instance recently occurred of .5 inch Browning machine guns being passed to another Services repair facility to check whether they were faulty. The weapons were recovered in supposed working order and returned to SASO, Sydney, for inspection.

2. Inspection indicated that the weapons were in an unsafe condition and had they been fired by ships crew, an accident would have probably occurred.

3. ABR 5104, Volume 2, Article 0204, specifies that malfunctions which cannot be rectified after a full investigation by maintenance personnel are to be reported on Form OS119 (S1148 (0)) and the gun returned to SASO quoting the OS119 number as the reason for return.

4. Planned Maintenance Instructions for .5 inch Browning Machine Gun Schedule No WE 4981 states that if functioning is suspect or timing and/or Head space cannot be set correctly the weapon must not be fired, but set aside for examination by base staff.

5. Attention of all concerned is drawn to the foregoing requirements.

6. Only if prior approval is granted by the Naval Board may weapons be passed to other service repair facilities.

(1234/51/389 DAS)

UNCLASSIFIED

434/70—Stores (General)—Issues to HMA Ships and Establishments from RAN Store Depots

Navy Order 344/70 is to be amended as follows:

Paragraph 3b (1) line 7:

amend FOCEA info C of P, *to read* CSS Sydney info FOCEA.

(400/1/413 DSAP)

(Navy Order 344/70)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

435/70—General Purpose Mailing Envelopes—Use of

1. It has come to notice that on occasions personnel do not use general purpose mailing envelopes for the particular purpose for which they were designed.

2. This practice can result in increased postal and handling charges, excessive demands for costly envelopes and has the effect of making it very difficult to estimate an annual usage when provisioning action is required.

3. Listed hereunder are the general purpose envelopes available from SVSO and the purpose for which they were introduced. Each envelope is to be used only for the purpose shown:

International Size	*Dimensions—Depth Stated First*	*Type**	*Colour*	*Remarks*
	Inches			
C3	18.03 x 12.76	Pocket	Manilla	To be used for enclosing a B4 envelope containing classified material
B4	13.90 x 9.84	Pocket	Manilla	To be used for enclosing a sealed C4 envelope containing classified material
C4	12.76 x 9.02	Pocket	Manilla	To be used for enclosing A4 papers where because of the bulkiness of such papers it is not practical to fold them in half
B5	6.93 x 9.84	Pocket	Manilla	To be used for enclosing a sealed C5 envelope containing classified material
C5	9.02 x 6.38	Pocket	Manilla	To be used for enclosing: (i) A4 papers which have been folded in half (ii) A5 papers where because of the bulkiness of such papers it is not practical to fold in half
B6	4.92 x 6.93	Pocket	Manilla	To be used for enclosing a sealed C6 envelope containing classified material
C6	4.49 x 6.38	Banker	Manilla	To be used for enclosing A5 papers which have been folded in half
—	5 x 9	Pocket	Manilla	To be used for enclosing a sealed DL envelope containing classified material
DL	4.33 x 8.66	Banker	Manilla	To be used for enclosing A4 papers which have been folded twice
DL	4.33 x 8.66	Banker	White	To be used for enclosing A4 papers which have been folded twice and where it is policy to enclose such papers in white envelopes
C6	4.49 x 6.38	Banker	White	To be used for enclosing semi-official note paper which is in the A5 size

* Banker = Side opening; Pocket = End opening.

4. The above details refer only to sizes and types available. Certain authorities have been given approval to use envelopes with pre-printed return to sender details. The correct catalogue number should therefore be quoted when ordering envelopes.

(469/1/43 DOM)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 436/70-449/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
18 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21975/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

436/70—The Training Committee—Programme 1971

With reference to Article 0144 of ABR 27 Volume II, the dates on which the Training Committee will visit establishments and HMA Fleet during 1971 are as follows:

HMAS KUTTABUL ..	22 January
HMAS KUTTABUL II ..	22 January
HMAS NIRIMBA	24-26 February
HMAS PENGUIN	25-26 March
HMAS HARMAN	15 April
HMAS WATSON (and RTE) ..	22-23 April
HMAS TARANGAU ..	about 4-5 May
HMAS PLATYPUS	28 May
HMAS ALBATROSS ..	22-23 July
HMAS ENCOUNTER (RTE) ..	9 August
HMAS LEEUWIN (and RTE)	10-13 August
HMAS CERBERUS ..	6-10 September
HMAS WATERHEN ..	24 September
HMAS MORETON (RTE) ..	12 October
HMAS HUON (RTE) ..	24 November
HMAS LONSDALE (RTE) ..	25 November
HMA Fleet	As convenient to Flag Officer Commanding HM Australian Fleet and the Fleet Programme (about 14-15 December).

(42/222/219 D of T)

Section 2

PERSONNEL

UNCLASSIFIED

437/70—Members on Short Term Duty Overseas—Reimbursement of Cost of Insurance

1. Where a member is required to travel oversea on short term duty he may insure his baggage and personal effects up to the value of $A600 against loss or damage and be reimbursed the amount paid by him for the insurance.

2. Statutory authority is required before this approval may be implemented. Advice will be issued when statutory cover is obtained.

3. NPI 194 (2)(a) and NPI 209/9 (2)(b) should be noted pending amendment.

4. The value of the insurance premium to be reimbursed to a member posted oversea on long or intermediate term duty is currently under review.

(252/7/26 HPB)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

438/70—Aircraft Maintenance Engineer Licence—Exemptions from DCA Examinations for RAN Trained Personnel

Annex A to this order should be considered as Annex A to Navy Order 336/70.

ANNEX A

Examination Exemptions

Persons who hold or have held the RAN rank of	*DCA examination papers from which exemptions will be granted*
Confirmed POAMAE	Airframe Category Papers B, C, D, E, F, L, M, N Engine Category Papers B, D, and G Airframe and Engine Category Papers A2, A3, O
A/MECH AE2	Airframe Category Papers B, C, D, E, F, L, M, N Engine Category Papers B, D, G Airframe and Engine Category Papers A2, A3, O
Confirmed AA2	Airframe Category Papers B, C, D, E, F, L, M, N Engine Category Papers B, D, G Airframe and Engine Category Papers A2, A3, O
Confirmed POEAW	Electrical Category Papers B, C Instrument Category Paper B Electrical and Instrument Category Papers A2, A3
Confirmed SAAW2	Electrical Category Papers B, C Instrument Category Paper B Electrical and Instrument Category Papers A2, A3
Confirmed POEAC	Radio Category Papers A2, A3 and B
Confirmed SAAC2	Radio Category Papers A2, A3 and B

(312/1/31 D of T)

(*Navy Order 336/70*)

UNCLASSIFIED

439/70—Sailing—Qualifications to Take Charge of and Minimum Manning Standards for Service Sailing Craft

1. This order lays down:
   a. the qualifications required to take charge of sailing craft under Service responsibility;
   b. the minimum manning standards for those craft.

Annexes A, B and C contain the rules for Open Sailing Craft, Local Yachting and Offshore Yachting respectively. Annex D lists the minimum crews for sailing craft now in use by the Service or Service Sailing Clubs.

2. The Royal Australian Naval Sailing Association will recognise qualifications issued in accordance with this order. It has produced similar rules for qualifications of non-Service members of the RANSA.

3. The rules for qualification are to take effect from the date of this order. They apply to both officers and sailors.

4. In order to establish a supply of examiners, Flag Officers Commanding, Naval Officers Commanding, Naval Officers-in-Charge and the Commodore RANSA, may issue qualifications, without examination, to personnel who are considered to be capable of holding the qualifications. This dispensation is in force only until 31 March 1971.

5. A small card Certificate incorporating all three Certificates will be produced, and supplies will be held by all awarding authorities. Until this is available certificates are to be produced locally.

ANNEX A

Bosun Dinghies and other Open Sailing Craft

Qualifications to Take Charge

1. Open Sailing Craft Helmsmans Certificate. This entitles the holder to take away a boat, of the class(es) in which he is qualified, for recreational sailing, without supervision. He may also race that boat locally if his certificate is so endorsed.

Test

2. a. *Practical:*
   (1) rigging and sailing the selected class(es) of boat;
   (2) recovery of man overboard;
   (3) going alongside, securing to a boom, securing a tow;
   (4) righting a boat after capsize.

   b. *Oral:*
   (1) Rules of the Road—rules 17-28 and 31;
   (2) foul weather precautions under sail;
   (3) action taken after capsizing if boat cannot be righted;
   (4) effects of tidal streams;
   (5) precautions in a shipping lane;
   (6) use of lifesaving equipment and safety fittings;
   (7) emergency repairs to hull, rigging and sails.

Note: In order to qualify for racing, a candidate must also be tested in the racing rules.

Examiners

3. Holders of Open Sailing Craft Helmsmans Certificates or persons authorised by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge, the Commodore RANSA, or the Captain of a ship.

Issue

4. The Certificate is to be issued by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge, the Commodore RANSA, or the Captain of a ship, and is to be held personally by the successful candidate.

ANNEX A—*continued*

Format

5. *Open Sailing Craft Helmsmans Certificates*

This is to certify that.....is qualified as a helmsman of .....* sailing craft. He is considered competent for local racing.†

.....(ship or command) .....Examiner

Date..... .....Captain/Chairman/Cdre

Minimum Manning

6. The helmsman must hold an Open Sailing Craft Helmsmans Certificate, and he must be accompanied by at least the number of persons to make up the minimum crew as shown in Annex D.

ANNEX B

Local Sailing and Racing in Yachts

Qualification to Take Charge

1. Local Yacht Skippers Certificate. This entitles the holder to take charge of the yacht(s) or class(es) of yacht in which he is qualified for short passages which can be completed within the period of a favourable weather forecast. Before attempting the test a candidate must hold an Open Sailing Craft Helmsmans Certificate.

Test

2. a. *Practical:*

(1) prepare the yacht for sea;
(2) take charge of all deck work;
(3) handle the yacht under sail and power, including berthing, mooring and heaving to;
(4) take charge of the boat at sea in fair conditions;
(5) stream and recover a lifebuoy as man overboard drill.

b. *Oral:*

(1) basic pilotage, including chart conventions; taking and plotting a fix;
(2) planning an anchorage;
(3) measures taken in bad weather and fog;
(4) firefighting and emergency repairs;
(5) first aid and lifesaving;
(6) sea courtesy and customs;
(7) distress signals and lifesaving equipment;
(8) yacht engines and galley equipment.

c. In order to qualify for racing a candidate must also be tested in the IYRU rules.

Examiners

3. Holders of Local Yacht Skippers Certificates who have been authorised as examiners by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge or the Commodore RANSA.

* Fill in class(es) of boat in which qualified.
† Delete if not qualified for racing.

ANNEX B—*continued*

Issue

4. The Certificate is to be issued by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge or the Commodore RANSA, and is to be held personally by the successful candidate.

Format

5. *Local Yacht Skippers Certificate*

This is to certify that.....is qualified to take charge of.....* for day sailing or short passages which can be completed within the period of a favourable weather forecast. He is considered competent for local racing.†

.....(Committee or RANSA) .....Examiner

Date..... .....Chairman/Commodore

Minimum Manning

6. The Skipper must hold a Local Yacht Skippers Certificate, and the crew must include at least one member who is capable of taking charge while the Skipper is resting, incapacitated or overboard.

ANNEX C

Offshore Sailing in Yachts

Qualification to Take Charge

1. Offshore Yacht Skippers Certificate. This entitles the holder to take charge of yachts offshore, including ocean racing. Before attempting the test a candidate must be in possession of a Local Yacht Skippers Certificate.

Test

2. a. *Practical:*

(1) take charge at sea for a period of not less than 24 hours;
(2) take and plot a sunsight and mer pass;
(3) radio stations and frequencies for yachts on the Australian coast;
(4) chartwork, including conventions, lights, buoys, laying off a course;
(5) planning a passage;
(6) finding heights of tide;
(7) deck log keeping.

b. *Oral:*

(1) racing and safety rules as laid down in the Australian Yachting Federation handbook and prescriptions thereto;
(2) a brief appreciation of the International Offshore Rule insofar as it relates to setting and sheeting of sails.

Examiners

3. Holders of Offshore Yacht Skippers Certificates who have been authorised as examiners by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge, or the Commodore, RANSA.

Issue

4. The Certificate is to be issued by a Flag Officer Commanding, Naval Officer Commanding, Naval Officer-in-Charge, or the Commodore, RANSA, and is to be held personally by the successful candidate.

* Fill in yacht or class in which qualified.
† Delete if not qualified.

ANNEX C—*continued*

Format

5. *Offshore Yacht Skippers Certificate*

This is to certify that.....is qualified to take charge of yachts offshore, including ocean racing.

.....(Committee or RANSA) .....Examiner

Date..... .....Chairman/Commodore

Minimum Manning

6. The Skipper must hold an Offshore Yacht Skippers Certificate, and the crew is to include at least one member who is capable of taking charge while the Skipper is resting, incapacitated or overboard. It is desirable that a crew member other than the Skipper is responsible for navigation.

ANNEX D

Minimum Crews for Open Sailing Craft in Use by the RAN and Service Sponsored Sailing Clubs

Boat	*Minimum Crew (Including Helmsman)*
27 foot Montagu Whaler	4
3 in 1 Whaler	4
14 foot Bosun Dinghy	2
14 foot RNSA Dinghy	2
Mirror 16	2
Flying Fifteen	2
Soling	2
Bluebird and Endeavour Yachts (two if a Spinnaker is not used)	3

(1236/51/138 D of T)

UNCLASSIFIED

440/70—SD (AV) Officers—Training and Employment

1. The training and employment of SD (AV) Officers are promulgated for information and necessary action.

Duties of SD (AV) Officers

2. It is intended that SD (AV) Officers should be capable of undertaking the following duties:

a. FAPDO	NAS NOWRA.
b. SESO	NAS NOWRA, HMAS MELBOURNE and Staff of DAE.
c. HCO	HMAS MELBOURNE.
d. ACRO	HMAS MELBOURNE.
e. Armament Stores Officer	NAS NOWRA and HMAS MELBOURNE.
f. Training Officer	NAS NOWRA.
g. Assistant FDO	HMAS MELBOURNE.
h. Air Traffic Control Officer	NAS NOWRA and HMAS MELBOURNE.
i. DL Officer	HMAS MELBOURNE (in conjunction with ATC Duties) and in Fleet Units.
j. OIC PTA Unit	NAS NOWRA.
k. Photographic Officer	NAS NOWRA and HMAS MELBOURNE.

Training of SD (AV)s

3. All SD (AV) Officers will do post-qualifying courses in the UK to permit them to undertake the following duties:

a. FAPDO.
b. SESO.
c. HCO.
d. ACRO.
e. Armament Stores Officer.
f. Assistant Flight Deck Officer.

4. Training for other duties will be arranged in Australia or overseas on an 'as required' basis to fill exising or anticipated vacancies.

Promotion to SD (AV)

5. Sailors may be promoted to SD (AV) Officers from the following Fleet Air Arm categories in accordance with current regulations:

a. Aircraft Handler.
b. Air Mechanic AE or W.
c. Safety Equipment.
d. Meteorological.
e. Photographic.
f. Aircrewman—on non-flying duties.

6. The promotion of aircrewman on active flying duties will be dealt with separately—RI will be amended in due course.

(311/201/197 D of T)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

441/70—Alteration and Addition Item—HMAS MELBOURNE

The following Alteration and Addition Item is approved to be carried out in HMAS MELBOURNE:

Class List Item No 243 (Ex TDL 'NMCM').

a. *Item:* 'To re-arrange the following Senior Sailors mess decks:

(1) CPOs—2D (Centreline and Port)
—3K

(2) POs —4F (Starboard)

in accordance with Navy Office Drawing No 221/396, Sheets 1 and 3 (two drawings only).'

b. The additional weight involved is approximately 0.5 tons.

c. *Reference:* Our Memorandum 1213/52/763 dated 10 April 1969.

(1213/52/763 CNTS)

UNCLASSIFIED

442/70—Alteration and Addition Item—DDG Class Destroyers

The following Alteration and Addition Item is approved to be carried out in DDG Class Destroyers:

Class List Item No 48 (Ex TDL 'BC').

a. *Item:* 'To rerun the cable between the casualty power circuit breaker and the generator bus, to the main distribution bus in each emergency switchboard, to enable the casualty power terminals on each emergency switchboard to be available as a source of casualty power when the diesel generator is not running. This item to be generally in accordance with HMAS BRISBANEs proposal.'

b. The weight increase is negligible.

c. *Reference:* HMAS BRISBANEs Form TM168 (AS1182) TDL 'BC' dated 13 February 1969 forwarded under cover of FOCAF Memorandum dated 1 May 1969.

(1215/62/58 CNTS)

UNCLASSIFIED

443/70—Fire Precautions—Maintenance of Fire Equipment

Portable Extinguishers

1. Portable extinguishers in the RAN are to be inspected, recharged and tested generally in accordance with the procedures contained in Australia Standard Code No AS CA18. The Code is re-written hereunder to suit particular requirements of the RAN.

General Requirements

2. a. Defects discovered during inspection shall be rectified immediately or the defective item shall be replaced with a serviceable item.

b. If an extinguisher is found to be pitted by corrosion the item should be pressure tested.

c. If a gas container is found to be pitted by corrosion it should be discharged within an extinguisher.

Records

3. The date of each inspection recharge or test of an extinguisher shall be recorded on an approved metal tag firmly attached to the extinguisher. In commissioned establishments, and civilian establishments where Navy personnel perform the maintenance duties, written record shall be maintained in addition.

Inspection Recharging and Pressure Tests

4. All portable extinguishers shall be inspected, recharged and pressure tested in accordance with Table 1.

TABLE 1

Extinguisher	*Inspection**	*Recharge Interval*	*Pressure Test Interval*
Water		Years	Years
Soda Acid type†	A	1	5
Gas container type	A and B	3	5
Stored pressure type	A	3	5
Foam			
Chemical type	A	1	5
Gas container, with sealed compound container	A and B	3	5
Gas container, pre-mix compound type	A and B	2	5
Carbon Di-Oxide	C	—	*See* paragraph 8 (IV)
Halegonated Agents			
Hand pump type	A	as necessary	—
Gas container type	A and B	3	5
Stored pressure type	A	3	5
Dry Chemical			
Gas container type	A and B	5	5
Stores pressure type	A	5	5

* A. denotes 6 monthly inspection.
B. denotes 12 monthly inspection.
C. denotes monthly inspection (Until experience indicates that test can be made less frequently CO2 portable extinguishers are to be weighed monthly, and the holes in way of the outlet from the safety disc are to be checked clear at the same time.)

† Break bottle type: If the glass container is intact the acid replacement is not necessary.

Monthly Inspection—CO2 Portable Extinguishers

5. Until further notice portable Carbon di-oxide extinguishers are to be checked monthly for the following:

a. Contents and integrity of seal by weighing. If there is a loss of weight of 10 per cent or more the extinguisher is to be recharged and re-sealed.

b. The small escape holes on the outlet side of the safety disc are to be checked clear with a piece of fine wire. On no account is the hexagonal nut to be slackened back.

Note: These checks have been made more frequent than specified in Australian Standard CA18 to fit circumstances peculiar to the RAN. Their frequency will be reviewed in the light of experience.

Six Monthly Inspection

(1) All extinguishers shall be inspected at six monthly intervals and the inspection shall include a check of the following:

(a) that the extinguisher is fully charged, or pressure on indicator is adequate, as appropriate;

(b) parts for damage;
(c) legibility of operating instructions on labels;
(d) any exterior part for corrosion; and
(e) hose and nozzle for serviceability.

(2) *Halogenated Agents.* Hand Pump Type. These extinguishers are to be inspected and tested as follows:
(a) inspect for damage or corrosion;
(b) check pump mechanism by working pump handle twice;
(c) return pump handle to locked position;
(d) top up charge and check delivery nozzle for leakage; and
(e) return extinguisher to bracket.

Note: Extinguishers fitted to vehicles are to be checked daily by drivers, the object being to ensure the extinguisher is available and that it is in a charged condition.

Twelve Monthly Inspection

6. a. *Water and Foam*—Gas Container Type. In addition to the inspection required by Paragraph 5 (1) the following points are to be checked at a 12 monthly inspection:
(1) correct level of the contents;
(2) internal discharge diptube, strainer and expansion device for clogging;
(3) condition of threads and clearance of vent holes;
(4) serviceability of the actuating device and sealing gasket;
(5) all washers for serviceability;
(6) damage to, or corrosion of any part;
(7) condition of protective coating of the gas container;
(8) check contents of gas container by weighing;
(9) for Pre-mix type foam check solution for deterioration; and
(10) for sealed container compound foam type, integrity of sealing arrangement.

b. *Halogenated Agents*—Gas Container Type. Check the points listed in Paragraph 6 (a) to (h).

c. *Dry Chemical Extinguishers.* Check the points listed in Paragraph 6 (a) to (h) and in addition check dry chemical for fluidity and freedom from caking.

Recharging Procedures

7. Where an extinguisher is required to be recharged it is to be inspected and checked in accordance with the requirements laid down for that particular extinguisher in Paragraphs 5 to 6 whichever is appropriate. Inspection and checking is to be carried out during and after the recharging operation. Special recharging procedures are outlined hereunder:

a. *Water and Foam Extinguishers:*
(1) When all pressure in the extinguisher has been exhausted remove cap or operating head.
(2) Rinse out container and inner container with clean fresh water.
(3) Prepare chemical solutions in separate vessels. Sodium Bicarbonate is to be dissolved in warm water not exceeding 140 degrees F and is to be poured into extinguisher through a wire gauze strainer, the extinguisher is to be filled to the indicator level.

(4) The lead stopper or other device provided for retaining the acid solution is to be inserted and the acid bottle or acid solution replaced in the extinguisher. Loose stoppers should be lightly smeared with petroleum jelly.
(5) Lightly grease the threads of the cap or operating head and in replacing, screw hard down, care being taken to ensure grease applied is not brought into contact with any rubber compound.
(6) Stored pressure extinguishers are to be charged with gas or air to the indicated working pressure.
(7) Record the date of recharge and replace the extinguisher.

b. *Halogenated Agent Extinguishers.* Refill, concurrently carrying out inspection procedure outlined in Paragraph 5 (2) and 6 (1) to (8). If the contents are toxic the recharging should be carried out out of doors or in a room with a through draught.

c. *Dry Chemical Extinguishers.* Whilst recharging inspect in accordance with Paragraph 6 (1) to (8), special requirements for this type include:
(1) remove cap, remove dry chemical, dismantle extinguisher, clean out all loose dry chemical with dry compressed air;
(2) keep all parts bone dry;
(3) recharge with correct quantity of dry chemical and a freshly checked gas container;
(4) assemble extinguisher screwing cap hard down;
(5) if stored pressure type, charge with dry inert gas or dry air to the indicated working pressure; and
(6) record date of recharge and replace the extinguisher.

Periodical Pressure Tests

8. a. All fire extinguishers other than the hand pump type shall be pressure tested at intervals as shown in Table I.

b. Extinguishers other than hand pump or CO2 types are to be subjected to a hydrostatic pressure test of 300 lb per square inch, or 1.5 times the working pressure (whichever is the greatest) for a period of one minute.

c. Where a hydrostatic test is made to test a halogen agent or dry chemical type extinguisher it is to be ensured that the extinguisher is bone dry before being recharged.

d. *CO2 Extinguishers—Special Provisions.* Carbon di-oxide (CO2) extinguishers are to be tested in accordance with SAA Code CB4 for compressed gas cylinders, except that the interval between tests is not to exceed 10 years for the first and second tests and the interval between all subsequent tests is not to exceed five years. Other test requirements are as follows:
(1) if discharged at a time exceeding two years after its previous test it is to be pressure tested prior to recharging and the interval between subsequent tests is not to exceed five years; and
(2) if inspection reveals extensive corrosion or loss of weight exceeding 10 per cent of the rated capacity the extinguisher is to be pressure tested and the interval between subsequent tests is not to exceed five years.

e. All pressure tests are to be recorded on a metal tag firmly attached to the extinguisher.

Special Provisions Relating to Extinguishers Carried on Appliances at RANAS HMAS ALBATROSS, Nowra, and on Appliances or Establishments Maintaining a Fire Station

9. a. In addition to the requirement laid down in Paragraph 4 Table 1, extinguishers carried on vehicles at RANAS and those provided for use on tarmacs and on appliances at establishments maintaining a fire station are to be inspected and tested in accordance with Table 2:

TABLE 2

Extinguisher	*Inspection Interval**	*Tested By*
Water		
Gas container type	C	Fire Section
Stores pressure type	C	—
Foam		
Chemical type	C	Fire Section
Gas container type (with sealed compound container)	C	Fire Section
Gas container, pre-mix type	C	Fire Section
Halogenated Agents		
Hand pump type	A	Drivers
Gas container type	A	Fire Section
Stored pressure type	A	—
Carbon Di-Oxide (CO2)		
Portable type	C	Fire Section
Fixed type	C	Fire Section
Dry Chemical		
Gas container type	B	Fire Section
Stored pressure type	B	Fire Section
Fixed and wheeled units	B and C	Fire Section

* A = Daily inspection (*See* 9 (b))
B = Weekly inspection (*See* 9 (c))
C = Monthly inspection (*See* 9 (d))

b. *Daily Inspections:*

(1) Drivers and operators of RAN motor vehicles shall ensure extinguishers carried on the vehicle are fully charged, correctly located and firmly held in bracket provided.

(2) Gauges and pressure indicators where fitted shall be inspected to ensure operating pressure is maintained.

c. *Weekly Inspections.* Dry chemical carried on vehicles are to be inspected at weekly intervals in accordance with the following:

(1) *Portable types.* Agitate contents by inverting and shaking.

(2) *Large Vehicle and Wheeled Types.* If separate gas cylinder type, remove cap and inspect the powder for dampness, the presence of caking or lumping condition. If suspect, use on a training fire and recharge the extinguisher

d. *Monthly Inspections.* The following extinguishers are to be inspected at monthly intervals and the inspection is to include a check of the points listed:

(1) *Dry Chemical Large Vehicle and Wheeled Types.* In addition to the inspection required by Paragraph 9c (2) large dry chemical units are to be inspected as follows:

(a) check gas cylinders by weighing if there be a weight loss of 10 per cent the cylinder shall be replaced;

(b) check regulator setting at 225 psi; and

(c) re-assemble unit ensuring all gaskets and washers are correctly placed and ensure units are properly tightened.

(2) *Water and Foam Types.* Water and foam types are to be inspected monthly where appropriate, in accordance with the requirements laid down in Paragraphs 5 and 6.

(3) *Carbon Di-oxide (CO2) Types.* Portable and 50 lb units are to be checked by weighing. If there be a weight loss of 10 per cent the extinguisher is to be recharged and re-sealed.

Fire Service Hose

	Inspection	*Annual Pressure Test*
10. a. *Unlined Delivery Hose* ..	monthly	To 120 psi using ½ inch nozzle for one minute.
b. *Lined Delivery Hose* ..	monthly	To 150 psi using ½ inch nozzle for one minute.
c. *Suction Hose*	*See* Paragraph 16. c. hereunder.	
d. *Hose Reel Hose:* (*On Appliances*)	Test monthly at 120 psi for period of one minute. When under pressure, close and open hand controlled nozzle several times. Check freedom of reel rotation.	
(*Inside Buildings*) ..	Test every six months to full mains pressure for period of one minute directing water through open door or window. When under pressure close and open hand controlled nozzle several times. Check freedom of reel rotation and movement of hose through hose guide.	

Hydrants

11. Inspection quarterly (to include functional test).

Sprinkler Installations

12. Test weekly.

Automatic Alarms

13. Test weekly.

Manual Fire Alarms

14. Test weekly.

Establishment Fire Alarm

15. Test weekly.

Fire Appliance Pumps and Trailer Pumps

16. a. *Output Test. Monthly*

Length of test at least 15 minutes.

Lift conditions. Shall be as near as possible, but not exceeding 10 feet from surface of the water, to the pump inlet. Pumps incapable of sustaining indicated pressure should be subject of report

200/350 GPM Capacity. One delivery, 1 inch nozzle, 80 lb per square inch minimum.

350/500 GPM Capacity. Two deliveries 1 inch nozzle, 80 lb per square inch minimum.

b. *Vacuum Test. Monthly*

This test shall be carried out immediately after the output test described above, when the gland packing is saturated. Connect all suction hose lengths to the pump, with blank cap in position at end of last length. Close delivery outlets. Operate priming system at priming speed for not more than 45 seconds. Priming should cease after gauge reading reaches 24 inches or more on vacuum gauge. Watching the needle if the needle falls back to 10 inches within one minute this indicates excessive air leakage. Steps to rectify leakage should be made.

c. *Suction Hose*

Suction hose shall not be tested unless there is good reason to suspect that the hose is defective. If it is necessary to test proceed as follows:

Connect the suction length to the suction inlet on the pump, and the other end to a hydrant, using a hydrant/suction adaptor. Open one delivery valve. Open hydrant slowly and when water commences to flow from delivery outlet close the delivery valve very slowly. Observe the compound gauge to ensure a positive pressure of not more than 50 lb per square inch is maintained. Defective hose will be indicated by water loss.

Note: The hydrant must not be turned on until delivery valve is open. Delivery valve *must* be closed slowly.

Ladders

17. Test monthly after use at a fire and before being used at drills.

Lines

18. (Manila) Test monthly.

Lights

19. a. (Searchlights on appliances).

b. (Hand lamps):
Test daily.
Dismantle and clean hand lamps monthly.
Cables on portable searchlights to be checked by Electrical Section every six months.

20. RI will be amended in due course.

(1446/1/39 DNW)

UNCLASSIFIED

444/70—Guns (Other Than Aircraft) OQF 4.5-inch Mark 5—Introduction of 101841 Socket Headed Screw to Replace 141244 Slotted Headed Countersunk Screw

1. Navy Order 867/68 is hereby cancelled.

2. The authority for Modification Serial No 43 to be shown in the Schedule and Record of Modifications to the 4.5 inch Mark 5 Guns is Navy Order 303/70.

(706/51/194 DAS)

(*Navy Orders 867/68 and 303/70*)

UNCLASSIFIED

445/70—Naval Stores (General)—Gymnastic and Sporting Equipment—Scale of Issue

1. The attached scale of gymnastic and sporting equipment has been approved for application to establishments other than Officer Cadets, Recruit and Apprentice Training establishments.

2. For the purposes of supply of athletic equipment in accordance with the scale, certain establishments have been nominated as custodians in their area. In this regard:

a. HMAS KUTTABUL is responsible for all establishments in the Sydney area with the exception of HMAS NIRIMBA which already has a scale of issues;

b. HMAS MELVILLE is responsible for all Naval establishments in the Northern Territory;

c. HMAS ALBATROSS will obtain athletic equipment from HMAS CRESWELL which has a scale of issue.

3. The approved scales represent the maximum to be held by an establishment. Actual requirements will vary according to factors such as size of gymnasium, facilities for using particular items, storage capacity and availability of outdoor space. Each establishment should ensure that items in excess of actual needs are not held.

4. When stocks of equipment are already held, whether provided originally from public or non-public funds, they should be treated as one combined total in the case of each item when calculating requirements for each establishment. Further replacements necessary to maintain stocks at the authorised levels may be at public expense.

5. These allowances are being incorporated in RANAL CAT 49 which will be issued in the near future.

Group/ Class	Catalogue No	Item	Scale of Issue: If Facilities Provided Under Department of Defence—Services, Scales and Standards of Accommodation	Scale of Issue: If Facilities Not Provided Under Department of Defence—Services, Scales and Standards of Accommodation	Remarks
		Gymnastics			
0461	14115	Horse, vault box type	2 per gymnasium	1 per 300 members or part thereof (maximum 2)	—
7830	66–029–2244	Horse, gymnasium, Swedish type			
0461	32	Boards, spring	1 per box horse	1 per box horse	—
0461	L72060	Bags, punching, heavy	2 per gymnasium plus 1 per each additional 600 members	2 per establishment	—
0461	9818	Ball, punching, leather	1 per gymnasium	—	—
7810	66–029–0336	Mitts, striking, bag (pr)	1 per ball and bag, punching	1 per bag, punching	—
0461	L72100 L72101	Ball, medicine, 8 lb Ball, medicine, 12 lb	15 per 100 members plus 10 per each additional 100 members (maximum 35)	15 per 100 members plus 10 per each additional 100 members (maximum 35)	—
0461	14105	Bar, horizontal	2 per gymnasium	—	—
0461	14108	Bar, parallel (high)	2 per gymnasium	—	—
0461	14109	Bar, parallel (low)	1 per gymnasium	—	—
0461	14113	Bench, lying and balance	12 per gymnasium	12 per establishment	Alternative stools, gymnasium allowed
6670	66–027–4807	Scale, dial recording	1 per gymnasium	—	—
7830	66–036–1737	Mat, gymnasium, 6 feet x 3 feet	24 per gymnasium	24 per establishment	—
7830	66–021–1159	Mat, gymnasium, agility type	4 per gymnasium	4 per establishment	—
7810	66–029–2249	Pad, punching, canvas	2 per gymnasium plus 1 per each additional 600 members	1 per 300 members or part thereof (maximum 2)	—
7830	66–029–2242	Skipping rope, gymnastic	12 per gymnasium	12 per establishment	—
7830	66–032–2560	Stick, jump, gymnastic, 6 feet x 1½ inches	24 per gymnasium	24 per establishment	—
7830	66–036–1763	Barbell set	4 per gymnasium plus 1 per each additional 300 members (maximum 6)	4 per establishment plus 1 per each additional 300 members (maximum 6)	—
7830	66–031–3319	Weights, shoe iron	1 per establishment	—	—
0461	9832	Gloves, boxing, 8 oz	16 per gymnasium	12 per establishment	—
0461	L72597	Gloves, boxing, 16 oz			
7810	66–031–3320	Boxing ring, portable	1 per gymnasium	1 per establishment	—

		Athletics			
7810	66–010–3911	Hurdle, athletic, adjustable	66 per area	Not applicable for individual establishments, since holdings are on an area basis and therefore accessible to all	—
7810	66–029–0799	Stand, jump, W/O crossbar 79 inches maximum height setting (pr)	2 per area		
7810	66–029–2394	Stand, jump, W/crossbar 17 feet 4½ inches maximum height setting (pr)	2 per area		
7810	66–023–9003	Pole, vaulting, aluminium	2 per stand	Not applicable for individual establishments, since holdings are on an area bases and therefore accessible to all	—
7810	66–029–0798	Crossbar, high jump and pole vault	2 per stand		
7810	66–023–9000	Discuss, olympic type, wood	3 per area	One of each may be 'Junior' weight for women	
7810	66–023–8630	Discus, practice type, rubber	6 per area		
7810	66–023–9002	Javelin, 104 inches long, competition	3 per area		
7810	66–036–1751	Javelin, practice (womens)	6 per area		
7810	66–036–1747	Javelin, practice (mens)			
7810	66–029–2247	Hammer, throwing, 16 lb	2 per area		
7810	66–023–9004	Shot, shot-put, 8 lb, iron	9 per area		
7810	66–023–9005	Shot, shot-put, 12 lb, iron			
7810	66–023–0797	Shot, shot-put, 16 lb, iron			
		Cricket			
		Kit comprises:			
7810	66–019–1615	Bag, material — 1 No	1 kit per 300 members or part thereof	1 kit per 300 members or part thereof*	* If ovals hired, etc.
7810	66–019–1616	Bail, cricket, single — 5 No			
7810	66–018–9907	Stump, cricket, single — 7 No			
7810	66–019–1617	Ball, cricket, 2 piece — 2 No (per annum)			
7810	66–019–1618	Bat, cricket — 4 No			
7810	66–019–1619	Gloves, cricket, batsman — 4 pr			
7810	66–019–1620	Gloves, cricket, W/K (in) — 1 pr			
7810	66–019–1621	Gloves, cricket, W/K (out) — 1 pr			
7810	66–019–1625	Pads, cricket, batsman — 4 pr			
7810	66–019–1626	Pads, cricket, W'keeper — 1 pr			
8415	66–019–1627	Cup, athletic support, batsman — 4 No			
8415	66–019–1628	Cup, athletic support, W'keeper — 1 No			
7810	66–023–8621	Mat, cricket pitch	1 per concrete pitch	—	—
0461	461024	Net, cricket	1 per practice pitch (maximum 3)	—	—

Group/ Class	Catalogue No	Item	Scale of Issue: If Facilities Provided Under Department of Defence—Services, Scales and Standards of Accommodation	Scale of Issue: If Facilities Not Provided Under Department of Defence—Services, Scales and Standards of Accommodation	Remarks
		Hockey			
		Kit comprises:			
7810	66–023–8628	Guard, leg, hockey, G/K 2 pr			
7810	66–029–1554	Stick, hockey .. 24 No			
7810	66–029–1553	Ball, hockey .. .. 24 No (per annum)	1 kit per 400 members or part thereof (maximum 2 kits)	1 kit per 400 members or part thereof (maximum 2 kits)*	* If ground hired, etc.
7810	66–023–8627	Kicker, hockey, G/K .. 2 pr			
7810	66–031–3321	Post set, goal, hockey, C/W/net	1 per ground	—	—
		Softball*			* Baseball equipment may be supplied in lieu
		Kit comprises:			
7810	66–029–0633	Softball, leather .. 20 No (per annum)			
7810	66–029–0637	Bat, softball .. .. 3 No			
7810	66–029–0636	Base, softball, single .. 3 No			
7810	66–023–9011	Home plate, rubber .. 1 No			
7810	66–023–9010	Pitcher's plate, rubber.. 1 No			
7810	66–023–8624	Mask, catcher's .. 2 No			
7810	66–023–8625	Protector, body, catcher's 1 No			
7810	66–023–9014	Mitt, softball catcher, R.H. 1 No	1 kit per 400 members or part thereof	1 kit per 400 members or part thereof*	* If ground hired, etc.
7810	66–023–9015	Mitt, softball catcher L.H. 1 No			
7810	66–023–9016	Glove, softball fielder R.H. 2 No			
7810	66–023–9017	Glove, softball fielder L.H. 7 No			
7810	66–023–9018	Mitt, softball first B/M R.H. 1 No			
7810	66–023–9019	Mitt, softball first B/M L.H. 1 No			
7810	66–019–1615	Bag, material .. 1 No			

		Football			
		Balls:			
7810	66–024–2346	Football, Aus Code	3 per 100 members (maximum 24)	3 per 100 members (maximum 24)*	* If ground hired, etc.
7810	66–031–3214	Football, rugby			
7810	66–024–2347	Ball, soccer			
7810	66–023–8631	Post set, football, Aust code ..	1 per ground as appropriate	—	—
7810	66–023–8633	Post set, goal, rugby			
7810	66–023–8622	Net, goal, soccer			
7810	66–023–8623	Post set, soccer			
		Basketball			
7810	66–029–0635	Basketball, plastic	1 per 100 members	1 ball per 100 members(*a*) ..	(*a*) If court is constructed from own resources or hired
7810	66–023–9006	Goal and stand, portable, basketball	1 per outdoor court	1 ball per outdoor court(*b*) ..	(*b*) If court is constructed from own resources
		Tennis			
7810	66–031–3326	Racket, tennis	4 per court	4 per 150 members*	* Where courts hired
7810	66–019–1632	Net, tennis	1 per court	—	—
		Squash			
7810	66–031–3323	Racket, squash	2 per court	2 per 500–1,500 members plus 2 per additional 1,500 members	—
		Water Polo			
7810	66–031–3324	Ball, water polo	2 per establishment	2 per establishment(*a*).. ..	(*a*) Where pools are hired
7810	66–031–3325	Goal set, water polo	1 per pool	—	—
		Volley Ball			
7810	66–023–9020	Volley Ball, Leather	1 per 100 members (maximum 15) (maximum 15—)	1 per 100 members (*a*) (maximum 15)	(*a*) If court is constructed from own resources or hired
7810	66–029–2240	Net, volleyball			
		Miscellaneous			
0461	80 ..	Pump	1 per establishment	1 per establishment	—
3895	66–019–1635	Marker, wet lime	1 per 3 grounds or part thereof	—	—
7810	66–023–8620	Pistol, starting	2 per area	—	—
6645	66–019–8302	Stopwatch, 1/10 sec.	3 per area	—	—
5210	66–036–1752	Tape measuring metal 200 feet ..	2 per area	—	—
4020	66–036–1746	Rope, tug-o-war	1 per establishment	1 per establishment	Manilla rope 4 inch x 35 yards will be supplied and is to be made by the establishment

UNCLASSIFIED

446/70—NBCD—Protective Clothing and Equipment—Introduction of Mask Protective Headwound and Food and Water Testing Kits

1. It has been decided to introduce the undermentioned items of Protective Clothing and Equipment for NBCD purposes:

a. Mask, Protective, Headwound ABC—M18.

b. Kit, Chemical Agents, Food Testing and Screening ABC—M3.

c. Kit, Chemical Agents, Water Testing AN—M2.

Mask, Protective, Headwound ABC—M18

2. a. This device is suitable only for a casualty whose head injuries are such as to prevent him wearing his personal mask (M17A), yet not severe enough to need direct attention to his airway.

b. Allowances of this item are as detailed hereunder:

Ship/Establishment	*Qty*
CV	11 No
AP	8 No
AO, AD	2 No
DDG, DD, DE	2 No
HMAS CERBERUS (NBCD School)	1 No
HMAS PENGUIN (NBCD School)	2 No

Kit, Chemical Agents, Food Testing and Screening ABC—M3, and Water Testing AN—M2

3. a. The RAN requirement for these testing kits is very limited. The only situation in which their use is envisaged is when one of HMA ships has to take on victualling stores or water from shore in an area where CW attack is likely to have taken place.

b. Fresh water distilled on board and stores carried in the ship can be regarded as safe even after CW attack, except for foodstuffs exposed in open areas such as vegetable lockers and the beef screen. Foodstuffs suspected of being contaminated can be rendered safe by suitable cooking, as all likely CW agents are destroyed by moist heat.

c. These kits will be allowed on the basis of 4 No of each kit to NBCD School, HMAS PENGUIN, for advanced training, and a quantity will also be held in store for issue to HMA ships, as required, when deployed where the CW threat is assessed as significant.

(910/252/115 DSAP)

UNCLASSIFIED

447/70—Stores, Spare Parts, Tools and Ordnance Accessories—Armament Stores—Loses—Values for Recovery and Write-off Purposes

(DCI/RN Conf 31/1970)

1. The book of values of certain items of Naval Armament Stores listed in Annex A to this order may be used, until further notice, for the purpose of recovery from individuals held responsible for their loss, or for 'write-off' purposes. This should enable Forms SA116 to be completed more expeditiously.

2. These values are not to be used for any other purpose whatsoever, eg, to determine prices for issues on repayment. Application for such rates is to be made on each occasion to the Director of Armament Supply, Navy Office, Canberra.

3. Similarly values for loss purposes of other Armament Stores, not included in Annex A, are to be sought from the Director of Armament Supply.

4. Confidential Navy Order 62/69 is hereby cancelled.

ANNEX A

—	*Item*	*Value for Loss Purposes Only*
		$
249157	Anklet, web, undyed, size 1 pairs	0.85 pair
249170	Anklet, web, undyed, size 2 pairs	0.85 pair
249183	Anklet, web, undyed, size 3 pairs	0.85 pair
249196	Anklet, web, undyed, size 4 pairs	1.30 pair
249014	Attachment, brace	0.28 each
1005–49–960–0072	Bayonet, L1A2 assembly	3.69 each
8465–50–577–4924	Belt, pistol large	2.65 each
8465–50–577–4925	Belt, pistol medium	2.20 each
24901511	Belt, waist, extra large, khaki	0.80 each
24904111	Belt, waist, large, khaki	1.10 each
24909311	Belt, waist, small, khaki	0.89 each
24904112	Belt, waist, large, undyed	0.79 each
24909312	Belt, waist, small, undyed	0.90 each
24901512	Belt, waist, extra large undyed	0.85 each
249132	Belt, waist	1.00 each
1005–66–100–2009	Bottle, Mk 5, Oil, MG assembly	0.07 each
24905312	Bottle, water, Mk 6 assembly	1.10 each
24905311	Bottle, water, Mk 7 assembly	0.86 each
249029	Brace, long	0.64 each
249042	Brace, normal	0.49 each
1005–49–960–2030	Brush, cleaning, 7.62mm chamber	0.22 each
1005–49–960–2031	Brush, cleaning, 7.62mm bore, Mk 1	0.19 each
1005–66–100–2007	Brush, Mk 1 cleaning, rifle	0.08 each
8465–71–108–8703	Canteen, water, plastic	0.22 each
222NIV	Caps, spare (line throwing equipment)	0.25 each
8465–66–029–5678	Carrier, entrenching tool	1.88 each
249043	Carrier, implement entrenching	1.16 each
8465–66–014–8756	Carrier, scabbard, bayonet S61	0.42 each
24910812	Carrier, water bottle, OP	0.45 each
24910811	Carrier, water bottle, NP	0.45 each
249018	Case, pistol	1.41 each
8465–00–647–0852	Case, SA ammunition	2.50 each
253197	Cloth, impregnated	0.03 each
249006	Cover, No 2, breech rifle	0.61 each
8465–50–577–4926	Cover, water canteen	1.80 each
5120–66–010–9748	Entrenching, tool	6.61 each
1005–49–960–0016	Extractor, ruptured, 7.62mm cartridge	2.42 each
8465–50–823–7622	Field pack, canvas, combat M1961	3.45 each

—	Item	Value for Loss Purposes Only
		$
249046	Frog, bayonet	0.25 each
24917615	Frog, bayonet	0.24 each
24917613	Frog, bayonet, undyed	0.27 each
249009	Haversack	2.12 each
25221413	Haversack, Mk 6 assembly	1.17 each
25221411	Haversack, Mk 7 assembly	2.27 each
249035	Head, implement entrenching	0.83 each
8415–50–255–8579	Helmets, soldiers, steel	5.78 each
251 (Various)	Helmets, steel RAC No 2	3.06 each
249048	Helve, implement entrenching	0.32 each
223617	Launcher, rifle grenade, L1A1	12.27 each
223422	Line	1.00 each
223500	Line, nylon	3.00 each
8415–50–753–5792	Liner, soldiers steel helmets, C/W headband and neckband	13.65 each
—	Magazine, rifle, 30 round C1 (L2A1)	3.00 each
232007	Magazine, 7.62mm L2A1	4.62 each
234NIV	Magazine (spare)	2.50 each
23303211	Magazine, 9mm L1A2 assembly	2.56 each
25219011	Outfit, anti-dimming Resp A/G Mk 7	0.13 each
25219012	Outfit, anti-dimming Resp A/G Mk 6	0.13 each
249061	Pack	2.11 each
7350–66–014–5895	Pan, sets messing	0.75 each
249011	Pouch, ammunition, pistol	0.78 each
249050	Pouch, basic, Mk 1, 2 and 3	2.02 each
249076	Pouch, magazine, left modified	5.06 each
249102	Pouch, magazine, right modified	5.06 each
249128	Pouch, utility, front	1.72 each
249141	Pouch, utility, rear	1.52 each
223NIV	Projectile, day, type 4 Mk 3 (line throwing)	6.25 each
—	Pullthrough, SMG	0.75 each
1005–49–960–0013	Pullthrough, Mk 7, assembly	0.28 each
252619	Respirator, A/G Light 6/1 large	8.15 each
252NIV	Respirator, A/G GS type (assy)	7.65 each
252NIV	Respirator, A/G Light type (assy)	6.93 each
1005–49–960–0014	Rod, cleaning, 7.62mm barrel and gas cylinder Mk 1	1.60 each
234NIV	Rod, cleaning SA No 1 Mk 1	1.10 each
1005–66–100–2017	Roll, cleaning kit, 7.62mm rifle Mk 1	0.50 each
8465–66–010–9512	Rope, assembly GP	1.65 each
1005–66–100–2003	Scabbard, bayonet, No 5 Mk 1	1.57 each
1005–66–100–2008	Sling, rifle web 46 inches long (L1A1)	1.00 each
1005–66–013–9819	Sling, rifle web 58 inches long (L2A1)	1.00 each
249012	Strap, shoulder, haversack, left	0.43 each
249025	Strap, shoulder, haversack, right	0.43 each

—	Item	Value for Loss Purposes Only
		$
249038	Strap, supporting pack	0.18 each
249051	Strap, thigh normal	0.19 each
8465–50–577–4922	Suspender, field pack (Regular)	2.68 each
8465–50–577–4923	Suspender, field pack (Large)	2.83 each
24905211	Tin, mess, rectangular, aluminium assembly	0.90 each
24905212	Tin, mess, rectangular, steel assembly	0.66 each
1005–49–960–0015	Tool, combination, 7.62mm Mk1	0.63 each
249143	Yoke	0.43 each

(710/251/16 DAS)

(*Confidential Navy Order 62/69*)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

448/70—Textbooks and Equipment on Loan to Undergraduate Officers

Navy Order 308/70 is to be amended as follows:

Delete Paragraph 3 and *insert* in its stead:

'3. After new entry medical and dental undergraduate officers have had new or used textbooks supplied to them for courses, the following establishments are to inform the Medical Director-General, by 31 May each year, of remaining medical and dental textbooks held:

HMAS KUTTABUL
HMAS MORETON
HMAS LONSDALE
HMAS ENCOUNTER
HMAS LEEUWIN.

Disposal action will then be advised by the Medical Director-General.'

(465/258/433 HPB)

(*Navy Order 308/70*)

Section 7

CANCELLED LIST

UNCLASSIFIED

449/70—Cancellation of Navy Orders

The following Navy Orders, having been incorporated in RI (ABR 5016) by amendment Nos 21, 22 and 23, are hereby cancelled:

	Navy Order Cancelled	*Superseded by RI Article*
1968	432/68	5301
	467/68	2403A
	751/68	2918
1969	299/69	6039
	465/69	1603 (1)(2)
	587/69	6201, 6202, 6217, 6225
	591/69	1526A
	619/69	1762
	712/69	Appendix 2A
	830/69	1734 (6)(10)(11).

(465/7/4 CEO (GS))

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 450/70-454/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
22 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

21976/70

CONTENTS

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

450/70—Alteration of Lacing of Uniforms, Etc, of RAN, RANR and ASCC Officers at Melbourne and Sydney—1970-71

1. The prices applicable to alterations effected to RAN, RANR and ASCC Officers uniforms, etc, by the official contractors, in Sydney, namely, Segrave Pty Ltd, 213 George Street, Sydney, during the period 1 July 1970, to 30 June 1971, and Evers and Cohen Pty Ltd, 16–22 Wentworth Avenue, Sydney, during the period 1 July 1970, to 30 June 1971, are detailed in Annexes A and B of this order.

2. Commonwealth Government Clothing Factory prices for alteration of lacing of uniforms, etc, promulgated in Navy Order 601/69 continue to apply until further notice.

ANNEX A

Alteration of Lacing of Uniforms and Shoulder Straps, 1970-71

—	*Evers and Cohen Pty Ltd*	*Segrave Pty Ltd*	
	Coat, Undress and Jacket, Mess	*Coat, Undress and Jacket, Mess*	*Shoulder Straps*
	$	$	$
RAN and RANR:			
On promotion to:			
LIEUTENANT	6.03	6.42	6.19
LIEUTENANT-COMMANDER ..	7.15	6.66	6.75
COMMANDER	8.10	8.07	7.01
CAPTAIN	8.67	9.71	7.01
On Reversion to:			
SUB-LIEUTENANT (From A/Lieutenant)	3.43	3.58	3.95
LIEUTENANT (From A/Lieutenant-Commander)	5.00	5.22	4.78
LIEUTENANT-COMMANDER (From A/Commander)	6.57	6.66	5.93
COMMANDER (From A/Captain)..	4.50	3.58	3.95
Addition for Distinction Cloth Between Lace	0.50 per uniform	0.30 per uniform or pair shoulder straps	
ASCC:			
On Promotion to:			
LIEUTENANT	—	5.21	4.74
LIEUTENANT-COMMANDER ..	—	7.62	4.42
COMMANDER	—	9.32	4.69

ANNEX B

Relacing of Uniforms, Etc, Where Removal of Old Lace is Involved, 1970-71

—	*Evers and Cohen Pty Ltd*	*Segrave Pty Ltd*	
	Coat, Undress and Jacket, Mess	*Coat, Undress and Jacket, Mess*	*Shoulder Straps*
	$	$	$
RAN and RANR:			
SUB-LIEUTENANT	12.60	12.45	7.90
LIEUTENANT	14.80	16.92	9.32
LIEUTENANT-COMMANDER ..	18.54	19.99	10.49
COMMANDER	19.60	21.39	10.74
CAPTAIN	19.67	25.06	12.15
With Distinction Cloth Between Lace:			
SUB-LIEUTENANT	13.10	12.75	8.20
LIEUTENANT	15.30	17.22	9.62
LIEUTENANT-COMMANDER ..	19.20	20.29	10.79
COMMANDER	20.20	21.69	11.04
CAPTAIN	20.40	25.36	12.45
ASCC:			
SUB-LIEUTENANT	—	11.01	7.38
LIEUTENANT	—	15.76	10.49
LIEUTENANT-COMMANDER ..	—	18.84	13.04
COMMANDER	—	18.86	13.04
Additional cost for letter 'R' to be inserted in the curl of the lace for RANR	0.45	0.30	0.30

Note: Segrave Pty Ltd and Evers and Cohen Pty Ltd are co-contractors. All official orders are to be placed as far as possible with the contractor offering the lower price.

Prices: Segrave Pty Ltd—Nett, Evers and Cohen Pty Ltd—2½ per cent—30 days.

(930/52/42 D of V)

(*Navy Order 601/69*)

UNCLASSIFIED

451/70—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS at Melbourne and Sydney—1970-71

1. The Official Contractors for made-to-measure uniforms for RANNS and WRANS Officers and Wrans at Melbourne and Sydney for 1970–71 are listed in Annexes A and B:

Sydney—Annex A

(RANNS and WRANS Officers and Wrans) — Bishop and White Pty Ltd 1 Lee Street Sydney NSW 2000

(Prices operative during the period 1 July 1970 to 30 June 1971)

Melbourne—Annex B

(RANNS and WRANS Officers and Wrans) — I. L. Wise of Melbourne 360 Lt Bourke Street Melbourne Vic 3000

(Prices operative during the period 1 July 1970 to 30 June 1971)

2. Commonwealth Government Clothing Factory prices for made-to-measure uniforms promulgated in Navy Order 603/69 continue to apply until further notice.

3. The terms of the contracts are as follows:

Bishop and White Pty Ltd .. .. 2½ per cent within 30 days
I. L. Wise of Melbourne .. .. 2½ per cent within 30 days

4. The conditions governing the purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

5. Members are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts, or from private fitters, are made strictly to the approved pattern and that they are liable to disciplinary action if incorrect uniform is worn.

6. This order will be reprinted for posting on notice boards.

ANNEX A

Bishop and White Pty Ltd, Sydney—Made-to-Measure Uniforms for RANNS and WRANS Officers and WRANS, 1970-71

Item	*Price* $
RANNS Officers:	
Cape, womans, cloth, wool, barathea No 2	23.00
Cloak, womans, cloth, wool, gabardine	36.00
Coat, womans, cloth, wool, barathea No 1	35.85
Coat, womans, cloth, wool, barathea No 2	36.45
Skirt, womans, cloth, wool, barathea No 1	15.50
Skirt, womans, cloth, wool, barathea No 2	16.10
WRANS Officers:	
Coat, womans, cloth, wool, barathea No 1 (including shoulder flashes)—	
First Officer	36.90
Second Officer	36.90
Third Officer	36.90

ANNEX A—*continued*

Item	*Price* $
WRANS Officers—continued	
Coat, womans, cloth, wool, barathea No 2 (including shoulder flashes)—	
Superintendent	38.50
First Officer	37.50
Second Officer	37.50
Third Officer	37.50
Skirt, womans, cloth, wool, barathea No 1	15.50
Skirt, womans, cloth, wool, barathea No 2	16.10
Wrans:	
Coat, womans, cloth, wool, twill No 1 (including shoulder flashes)	34.90
Skirt, womans, cloth, wool, twill No 1	14.50

Notes: Additional amounts are chargeable for the following extras which may be required on uniforms being manufactured:

EXTRA—

Sewing on of badges and medal ribbons	3.00 per garment
Sewing on of shoulder flashes 'Australia'	1.25 per garment

ANNEX B

I. L. Wise of Melbourne—Made-to-Measure Uniforms for RANNS and WRANS Officers AND WRANS—1970-71

Item	*Price* $
RANNS Officers:	
Coat and skirt, womans, cloth, wool, barathea No 1	43.18
Coat and skirt, womans, cloth, wool, barathea No 2	41.54
Attachment of becketts to RANNS Officers' coats	0.55
WRANS Officers:	
Coat and skirt, womans, cloth, wool, barathea No 1	43.18
Coat and skirt, womans, cloth, wool, barathea No 2	41.54
Braiding of sleeves of WRANS Officers coats:	
Superintendent	6.44
Chief Officer	5.32
First Officer	5.20
Second Officer	4.20
Third Officer	3.14
Attachment of shoulder flashes 'Australia'	0.68
Wrans:	
Coat, womans, cloth, wool, twill No 1, w/gilt buttons, CPO	30.04
Coat, womans, cloth, wool, twill No 1, w/gilt buttons, PO	29.36
Coat, womans, cloth, wool, twill No 1, w/horn buttons	28.87
Skirt, womans, cloth, wool, twill No 1	11.14
Attachment of shoulder flashes 'Australia'	0.68 per coat
Sewing on of badges	0.25 per coat
Sewing on of medal ribbons	1.00 per coat

(Badges and medal ribbons to be supplied by the individual)

(930/52/42 D of V)

(*Navy Order 603/69*)

UNCLASSIFIED

452/70—Made-to-Measue Uniforms for Sailors at Melbourne, Sydney, Perth and Brisbane—1970-71

1. The official contractors for made-to-measure uniforms for RAN sailors for 1970–71 are:

Sydney	Evers and Cohen Pty Ltd 16–22 Wentworth Avenue Sydney NSW 2000
Perth	The National Clothing Co Pty Ltd Room 5 William Street Arcade 193 William Street Perth WA 6001
Brisbane	M. Leiboff and Son 96 Brunswick Street Fortitude Valley Brisbane Qld 4006

2. Commonwealth Government Clothing Factory prices for made-to-measure uniforms promulgated in Navy Order 604/69, continue to apply until further notice.

3. The prices which will operate in Sydney, Brisbane and Perth during the period 1 July 1970 to 30 June 1971 are as follows:

Sailors, Class I, II and III

Item	*Evers and Cohen, Sydney*	*National Clothing Co Pty Ltd Perth*	**M. Leiboff and Son, Brisbane*
	$	$	$
BLAZER, MANS, cloth, wool, flannel, worsted, blue single breasted, pockets unbadged, Junior Recruits (Topmen)	—	23.50	—
COAT, MANS, cloth, wool, serge No 2, double breasted with gilt buttons, CPO	39.30	37.50	40.92
COAT, MANS, cloth, wool, serge No 2, double breasted with gilt buttons, PO	38.92	37.00	40.81
COAT, MANS, cloth, wool, serge No 2, double breasted with gilt buttons, w/o cuff buttons (NAA)	38.56	—	—
COAT, MANS, cloth, wool, serge No 2, double breasted with gilt buttons, CPO (ASCC)	38.56	37.50	40.24
COAT, MANS, cloth, wool, serge No 2, double breasted with gilt buttons, PO (ASCC)	38.47	37.00	40.14
COAT, MANS, drill, white, with gilt buttons, CPO	—	—	17.47
COAT, MANS, drill, white, with gilt buttons, PO	—	—	16.48
COAT, MANS, drill, white, w/o buttons, Class I and III	11.46	13.50	15.42
COAT, MANS, drill, white, with buttons, Class I and III	12.46	—	—
JACKET, MANS, cloth, wool, serge No 1, working dress (NAA)	21.91	—	—
JUMPER, MANS, cloth, wool, serge No 1	15.68	12.50	—
JUMPER, MANS, drill, white	10.51	—	—

Item	Evers and Cohen, Sydney	National Clothing Co Pty Ltd Perth	*M. Leiboff and Son, Brisbane
	$	$	$
TROUSERS, MENS, cloth, wool, melange, grey, Junior Recruits (Topmen)	—	13.50	—
TROUSERS, MENS, cloth, wool, serge No 1, Class II	13.92	13.50	—
TROUSERS, MENS, cloth, wool, serge No 1, working dress (NAA)	15.82	—	—
TROUSERS, MENS, cloth, wool, serge No 2, Class I and III	13.92	13.50	14.13
TROUSERS, MENS, drill, white, Class I and III ..	9.33	8.00	9.49
TROUSERS, MENS, drill, white, Class II	9.33	—	—
Extra Charges—			
Sewing on of badges, etc	1.40 per garment	0.25 per garment	—
Taping on bottoms of Class II trousers	—	0.50 pair	—
Sewing on shoulder flash, 'Australia'	0.82 per garment	0.50 pair	Gold—0.84 per coat Blue—0.55 per coat
Affixing letters 'SC'	—	—	1.55 per coat

* For supply of Private Orders only.

4. Terms of the contracts are as follows:

Evers and Cohen Pty Ltd .. .. 2½ per cent—30 days. $2.50 deposit.
National Clothing Co Pty Ltd .. .. Nett. $0.50 deposit.
M. Leiboff and Son .. .. .. 33⅓ per cent of purchase price, deposit.

5. The conditions governing purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

6. Sailors are warned that they themselves are responsible for ensuring that uniforms obtained under these contracts or from private fitters are made strictly to the approved patterns and that they are liable to disciplinary action if incorrect uniform is worn.

7. This order will be reprinted for posting on notice boards.

(930/52/42 D of V)

(*Navy Order 604/69*)

UNCLASSIFIED

453/70—Naval Dockyard Police—Made-to-Measure Uniforms at Melbourne, Sydney and Perth—1970-71

1. Made-to-measure uniforms for Naval Dockyard Police may be obtained from Evers and Cohen Pty Ltd, 16–22 Wentworth Avenue, Sydney, and National Clothing Co Pty Ltd, Room 5, William Street Arcade, 193 William Street, Perth, during the period 1 July 1970 and 30 June 1971.

2. Commonwealth Government Clothing Factory prices for made-to-measure uniforms promulgated in Navy Order 605/69 continue to apply, until further notice

3. The prices which will operate during the above periods are as follows:

—	Evers and Cohen, Sydney	National Clothing Co Pty Ltd, Perth
	$	$
COAT, MANS, cloth, wool, serge No 2, Chief Inspector, w/buttons	57.88	—
COAT, MANS, cloth, wool, serge No 2, Inspector, w/buttons..	54.32	—
COAT, MANS, cloth, wool, serge No 2, Sub-Inspector, w/buttons	49.24	—
COAT, MANS, cloth, wool, serge No 2, Police, w/buttons ..	37.99	37.00
TROUSERS, MENS, cloth, wool, serge No 2, Officer, Police..	13.92	—
TROUSERS, MENS, cloth, wool, serge No 2, Police.. ..	13.92	13.50

4. Terms of the contracts are as follows:

Evers and Cohen Pty Ltd .. .. 2½ per cent—30 days, $2.50 deposit.
National Clothing Co Pty Ltd .. .. Nett $0.50 deposit.

5. The conditions governing purchases of uniforms under these contracts are contained in ABR 93, Chapter 26.

6. This order will be reprinted for posting on notice boards.

(930/52/42 D of V)

(*Navy Order 605/69*)

UNCLASSIFIED

454/70—RAN, RANR and ASCC, Officers and Chaplains Made-to-Measure Uniforms at Melbourne, Sydney, Perth and Brisbane—1970-71

1. The official contractors for made-to-measure uniforms for RAN, RANR and ASCC Officers and Chaplains for 1970–71 are listed in the following annexes.

Sydney

Annex A—RAN, RANR and ASCC Officers — Evers and Cohen Pty Ltd 16–22 Wentworth Avenue Sydney 2000

Annex B—Chaplains .. .. Evers and Cohen Pty Ltd 16–22 Wentworth Avenue Sydney 2000

Perth

Annex C—RAN, RANR and ASCC Officers	The National Clothing Co Pty Ltd Room 5 William Street Arcade 193 William Street Perth 6001

Melbourne

Annex D—RAN, RANR and ASCC Officers	I L Wise 360 Little Bourke Street Melbourne 3000

Brisbane

Annex E—RAN, RANR and ASCC Officers	M Leiboff and Son 95 Brunswick Street Fortitude Valley Brisbane 4006

2. Terms of the contracts are as follows:

Evers and Cohen Pty Ltd	2½ per cent—30 days, 10 per cent deposit.
National Clothing Co Pty Ltd	Nett, $0.50 deposit.
M. Leiboff and Son	Nett, deposit 33⅓ per cent of purchase price.
I. L. Wise of Melbourne	2½ per cent—30 days, deposit 25 per cent of purchase price.

3. The conditions governing the purchase of uniform under these contracts are contained in ABR 93, Chapter 26.

4. Commonwealth Government Clothing Factory prices for made-to-measure uniforms promulgated in Navy Order 606/69 continue to apply until further notice.

ANNEX A

Evers and Cohen Pty Ltd—Sydney

Made-to-Measure Uniforms for Officers, 1970-71

Rank	*Cloth, Wool, Serge No 2*		*Cloth, Wool, Barathea No 2*		
	Coat, Undress	*Jacket, Mess*	*Coat, Undress*	*Coat, Undress, Tail*	*Jacket, Mess*
	$	$	$	$	$
RAN					
OFFICERS (Unlaced) ..	42.62	—	43.74	—	—
SUB-LIEUTENANT ..	48.50	43.23	53.45	—	44.31
LIEUTENANT	53.20	46.31	57.20	—	48.32
LIEUTENANT-COMMANDER	53.14	48.80	60.65	—	49.62
COMMANDER.. ..	57.31	51.41	61.18	—	54.09
CAPTAIN	62.15	53.71	64.88	95.68	55.90
REAR-ADMIRAL ..	64.83	57.28	68 06	98.15	61.02

ANNEX A—*continued*

Rank	*Cloth, Wool, Serge No 2*		*Cloth, Wool, Barathea No 2*		
	Coat, Undress	*Jacket, Mess*	*Coat, Undress*	*Coat, Undress, Tail*	*Jacket, Mess*
	$	$	$	$	$
RANR					
SUB-LIEUTENANT ..	48.91	43.74	53.56	—	44.79
LIEUTENANT	53.61	46.71	57.60	—	48.72
LIEUTENANT-COMMANDER	54.55	50.02	60.04	—	51.20
COMMANDER.. ..	57.71	51.81	61.58	—	54.50
ASCC					
SUB-LIEUTENANT ..	49.32	42.89	53.66	—	43.55
LIEUTENANT	53.73	46.89	57.70	—	45.64

Notes: 1. Above prices include cost of attaching shoulder flashes 'Australia'.

2. Addition of distinction cloth between lace when required—$0.59 per coat.
3. Addition of Decoration and Medal Ribbons (to be supplied by Officer)—$1.40 per coat.
4. Addition of attachment for Aiguillette (to be supplied by Officer)—$1.40 per coat.

All Ranks	*Cloth, Cotton, Drill, White*	*Cloth, Cotton, Marcella*	*Cloth, Wool, Serge No 2*	*Cloth, Wool, Barathea No 2*
	$	$	$	$
COAT, MANS, bush, drill, white (for Commander and above)	15.18	—	—	—
COAT, MANS, drill, white, officer, with gilt buttons	12.46	—	—	—
COAT, MANS, drill, white, officer, without buttons	11.46	—	—	—
JACKET, MANS, mess, drill, white, officers, with gilt buttons	9.39	—	—	—
JACKET, MANS, mess, drill, white, officer, without buttons	8.45	—	—	—

ANNEX A—*continued*

All Ranks	*Cloth, Cotton, Drill, White*	*Cloth, Cotton, Marcella*	*Cloth, Wool, Serge No 2*	*Cloth, Wool, Barathea No 2*
	$	$	$	$
TROUSERS, MENS, officer	9.33	—	13.00	16.28
TROUSERS, MENS, officer (with gold lace)	—	—	—	56.23
TROUSERS, MENS, mess, officer ..	—	—	13.00	16.28
VEST, MANS, mess, officer	—	6.09	10.12	12.12

Working Dress

JACKET, MANS, cloth, wool, serge No 1, working dress .. .. $21.91 each
JACKET, MANS, cloth, wool, serge No 2, working dress .. .. $21.91 each
TROUSERS, MENS, cloth, wool, serge No 1, working dress .. $15.95 per pair
TROUSERS, MENS, cloth, wool, serge No 2, working dress .. $15.95 per pair

ANNEX B

Evers and Cohen Pty Ltd—Sydney

Made-to-Measure Uniforms for Naval Chaplains, 1970-71

Item	*Price*
	$
COAT, MANS, undress (without gold lace)—	
Cloth, wool, serge No 2	42.62
Cloth, wool, barathea No 2	43.74
TROUSERS, MENS, OFFICER—	
Cloth, wool, serge No 2	10.92
Cloth, wool, barathea No 2	14.20
JACKET, DINNER—	
Cloth, wool, serge No 2	49.06
Cloth, wool, barathea No 2	58.53

ANNEX C

National Clothing Co Pty Ltd—Perth

Made-to-Measure Uniforms for RAN, RANR and ASCC Officers, 1970-71

All Ranks	*Cloth, Cotton, Drill, White*	*Cloth, Wool, Serge No 2*	*Cloth, Wool, Barathea No 2*
	$	$	$
Coat, mans, drill, white, Officer, w/o buttons ..	13.50	—	—
Coat, mans, undress, Officer (unlaced)	—	38.00	45.00
Trousers, mens, Officer	8.00	14.50	15.00

Notes: Additional costs for:

1. Affixing gold lace—

Rank	*Coat, Undress*		*Shoulder Straps*	
	Machine Sewn	*Hand Sewn*	*Machine Sewn*	*Hand Sewn*
	$	$	$	$
Sub-Lieutenant	4.50	5.50	5.50	6.00
Lieutenant	7.00	8.00	6.40	7.00
Lieutenant-Commander ..	8.75	10.00	6.70	7.70
Commander	9.50	11.00	6.90	7.90
Captain	12.00	13.50	7.50	8.50

2. Alteration of lacing consequent upon promotion or reversion—

Rank	*Coat, Undress*		*Shoulder Straps*	
	Machine Sewn	*Hand Sewn*	*Machine Sewn*	*Hand Sewn*
	$	$	$	$
Sub-Lieutenant	5.50	7.50	3.00	4.00
Lieutenant	8.00	10.00	4.00	5.00
Lieutenant-Commander ..	10.00	12.00	4.50	5.50
Commander	11.00	13.00	4.50	5.50
Captain	13.00	15.00	5.00	6.00

3. Affixing letter 'R' .. .. $0.50 per uniform
4. Affixing distinction cloth between lace when required .. $2.00 per strip
5. Affixing shoulder flashes 'Australia' on coats and jackets .. $0.50 per coat

ANNEX D

I. L. Wise of Melbourne

Made-to-Measure Uniforms for Officers, 1970-71

All Ranks	*Cloth, Wool, Serge No 2*	*Cloth, Wool, Barathea No 2*
	$	$
Uniform, undress, Officer (unlaced) (comprises coat and trousers)	51.51	52.83
Uniform, mans, mess, Officer (unlaced) (comprises jacket, vest and trousers)	—	63.27

Note: Additional Costs for:

1. Affixing gold lace to Undress Coats and Mess Jackets:

	RAN and RANR	*ASCC*
	$	$
Captain	17.20	—
Commander	14.40	—
Lieutenant-Commander	12.37	12.57
Lieutenant	10.45	10.65
Sub-Lieutenant	7.57	7.77

2. Sewing on of Distinctive Cloth:

Captain	40 cents per uniform
Commander	35 cents per uniform
Lieutenant-commander	35 cents per uniform
Lieutenant	25 cents per uniform
Sub-Lieutenant	25 cents per uniform

3. Affixing Letters 'R' to RANR uniforms .. .. 45 cents per uniform
4. Affixing shoulder flashes 'Australia' .. .. .. 68 cents per uniform
5. Sewing on of medal ribbons (ribbons to be provided by individual) .. .. 30 cents per ribbon
6. Affixing gorget patches to midshipmen's uniform .. .. $2.10 per uniform

ANNEX E

M. Leiboff and Son—Brisbane

Made-to-Measure Uniforms for Officers, 1970-71

All Ranks	*Cloth, Cotton, Drill, White*	*Cloth, Wool, Serge No 2*	*Cloth, Wool, Barathea No 2*
	$	$	$
Coat, mans, undress, Officer (unlaced)	—	41.20	42.21
Coat, mans, drill, white, with gilt buttons	16.89	—	—
Coat, mans, drill, white, without gilt buttons ..	15.82	—	—
Trousers, mens, Officer	9.49	13.82	14.58

Notes:

1. Official orders may be lodged for blue undress uniforms only.
2. Additional costs for:
   (a) Affixing gold lace to coat, undress—

Rank	—	*RAN and RANR*	*ASCC*
		$	$
Sub-Lieutenant	per coat	5.90	4.20
Lieutenant	per coat	9.55	7.63
Lieutenant-Commander	per coat	12.14	11.06
Commander	per coat	13.20	—
Captain	per coat	16.85	—

   (b) Alteration of lacing consequent upon promotion or reversion—

Rank	—	*RAN and RANR*	*ASCC*
		$	$
Sub-Lieutenant	per coat	7.90	6.20
Lieutenant	per coat	11.55	9.63
Lieutenant-Commander	per coat	14.14	13.06
Commander	per coat	15.20	—
Captain	per coat	18.85	—

   (c) Affixing letter 'R' .. .. $0.95 per coat
   (d) Affixing shoulder flashes 'Australia' .. .. $0.84 per coat

(930/52/42 D of V)

(*Navy Order 606/69*)

Navy Orders 385/67-437/67 are now over three years old and may be disposed of accordingly.

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HISTORIAN

ANOs 455/70-466/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
24 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

22389/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

455/70—Royal Australian Naval Emergency Reserve—Conditions of Service

Navy Order 188/70 is amended by *deleting* Paragraph 44 and *inserting* the following in its stead:

> 'A member who, for acceptable reasons (eg, sickness, hospitalisation, compassionate or other valid reasons approved by the Director of Naval Reserves) fails to complete the period of annual continuous service once commenced, may on one other occasion during the year, render such further continuous service that the two periods total 13 days.'

(302/51/77 DRNP)

(*Navy Order 188/70*)

UNCLASSIFIED

456/70—RI List of Navy Orders Affecting

With reference to page 12 of RI the following list shows those Navy Orders in force on 30 June 1970 which amend or amplify RI (as corrected up to amendment No 23):

RI Article	*Navy Order*
0323	732 of 1969
0468	477 of 1969
0553	818 of 1969
0558	80 of 1970
0888	426 of 1969 631 of 1969 714 of 1969 64 of 1970
0957	426 of 1969
1041	659 of 1969
1057 (8) + 1051 (A) (table)	818 of 1969
1063	426 of 1969
Chap 10 Sec II	425 of 1969
Chap 10 Sec IV	811 of 1969
1301, 1305, 1307	141 of 1970
1452	192 of 1970
1661	171 of 1968
Chap 18 Sec VI and VIII	816 of 1968
1832	281 of 1970
1970, 1972, 1973	751 of 1969
Chap 27 Sec II	802 of 1969
2981	385 of 1969 535 of 1969
2909	748 of 1969
Chap 29 Sec IV	508 of 1969
4505	111 of 1969
Chap 45 Sec II	356 of 1969
5243	253 of 1970
Chap 53	22 of 1969
5606	116 of 1968
5704	799 of 1969
Chap 57 Sec II	292 of 1969 435 of 1969 674 of 1969 799 of 1968 218 of 1970

(465/3/4 CEO (GS))

UNCLASSIFIED

457/70—Safety—Communication Between Officer-of-the-Watch and Controlling Engine Room or Machinery Control Room

1. To reduce the risk of collision when an engine telegraph order is passed incorrectly or when a telegraph fails to operate correctly, the following instructions are to be observed by Commanding Officers and Marine Engineer Officers of HMA ships:

a. Special Sea Dutymen on the bridge and in the controlling engine room or MRC are to include communication numbers having no other duties to perform.

b. The duties of all Special Sea Dutymen in the Marine Engineering department are to be specified in the departmental standing orders.

c. Sufficient Special Sea Dutymen are to be provided to enable foreseeable emergencies or breakdown to be dealt with expeditiously.

d. Both the ships Standing Orders and the Marine Engineering department standing orders are to specify the normal and emergency methods of communication between the bridge and the controlling engine room or MCR.

2. Navy Order 391/67 is hereby cancelled.

(177/201/23 DFM)

(*Navy Order 391/67*)

Section 2

PERSONNEL

UNCLASSIFIED

458/70—Amendments to Provisions Governing Leave

1. The conditions for the granting of leave and the periods of leave are contained in RI Chapter 9. Further conditions and variations of conditions have been approved from time to time and this Navy Order consolidates these conditions by reference to RI which will be amended in due course:

a. 0946 (2) *add* Sub-paragraph (e):

'Officers posted for service on the staff of a Flag Officer—Their Flag Officer.'

b. RI 0946 *add* Paragraph 6:

'The Commanding Officer of the ship or establishment to which an officer is posted for service is affected by the leave of an officer serving on the staff of a Flag Officer. Accordingly a copy of the application for leave is to be forwarded to him for information.'

c. RI 0949 *add* Paragraph c:

'Service at North West Cape

When an officer or sailor is posted for duty at North West Cape he may be granted an additional nine days leave for each completed year of service in that area; or if service in that area is less than 12 months, one day for each completed two months plus one additional day for each completed four months.'

d. Insert new Article 0949A:

'Pre-Embarkation Leave

Pre-Embarkation Leave not exceeding seven days (which will include Saturdays, Sundays and Public Holidays which fall within the leave period) may be granted to members of the Royal Australian Navy who are allotted for "Special duty in a special area" under the terms of the Repatriation (Special Overseas Service) Act or in other special areas as may be approved by the Naval Board.'

2. To qualify for Pre-Embarkation Leave, it must be anticipated that the member will serve six months in the oversea area. However, any case where it is anticipated that the member will serve less than six months in the overseas area may be referred to Navy Office for consideration. This leave must be taken not earlier than six weeks before the anticipated date of embarkation but may, where special circumstances exist, be approved for an earlier period by the Naval Board. Pre-Embarkation Leave is an additional grant if taken but credits will not be established for Pre-Embarkation Leave not taken.

3. All members on full time service (including members of the Reserves) may be granted Pre-Embarkation Leave subject to fulfilling all the necessary requirements. However, leave will not be granted to members of the Reserve Forces who are volunteers for overseas service and at such time are aware, or may reasonably presume, that they will be embarking for overseas service within 12 weeks of call up.

4. Where a member is granted recreation leave following notification of impending departure for overseas service, Pre-Embarkation Leave not exceeding seven days may be granted in conjunction with and additional to the recreation leave so approved. If a member subsequently applies for leave to travel to his home before departure for overseas, he will not be entitled to travel at public expense on such leave, nor to travelling time. Leave on return from overseas is charged against normal credits.

5. Where a member has been issued with a travel warrant for leave following return from overseas during the first half of a leave year and due to service requirements has not been able to take all accumulated leave credits, a situation may arise where a third leave period is necessary. In these circumstances application for a third warrant may be made to the Naval Board. Such a warrant is not to be issued without prior approval:

a. *Insert* 0949B

War Service Leave Entitlements

The conditions of service for leave entitlements for members of the RAN serving on shore or afloat in Vietnam are as follows:

(1) *War Service Leave:* one and a half days for each completed month of service up to 18 days per year.

(2) *Other Long Leave:* two days for the first completed month plus three days for each subsequent month up to a total of 35 days per year.

(3) The total leave attainable for a full years service in Vietnam is 53 days.

(4) Payment will normally be made in lieu of War Service Leave (*see* ABR 5020 Naval Pay Instructions).

In lieu of payment a member may elect to take War Service Leave but his unit is to advise Navy Office of such an election at least one month prior to completion of service in Vietnam.

b. 0957 *delete* Clause 1, *insert* Clause 10
Payment in Lieu of Leave on Discharge
On payment in lieu of leave on discharge *see* ABR 5020 Naval Pay Instructions.

(465/3/268 HPB)

UNCLASSIFIED

459/70—Gowrie Scholarships—1970

1. The Naval Board have been advised that the following awards for the year 1971 will be made from the Gowrie Scholarship Trust Fund:

a. Post-graduate Research Travelling Scholarships, for two years, of $1,800 per annum (two per annum).

b. University or similar Scholarships for duration of course of $150 per annum (10 per annum).

c. Secondary School Scholarships, for one or two years, of $80 per annum (12 per annum).

2. Applications must be submitted as follows:

a. *For Post-graduate Scholarships*—to the Registrar of the University of graduation in Australia by 31 October.

b. *For other Scholarships*—to Secretary, the Gowrie Scholarship Trust Fund, Box E5, PO, St James, NSW 2000, by 30 November.

3. The scholarships are available only to members of the Armed Forces who served in a combat area during the War of 1939-45, or to their descendants.

4. Forms of application and instructions are obtainable from the Secretary of the Trust, or through the University or School.

5. Navy Order 618/69 is hereby cancelled.

(134/1/4 HPB)

(*Navy Order 618/69*)

UNCLASSIFIED

460/70—Leave Travel—Pre-Embarkation Leave

1. With reference to Navy Order 458/70 Leave, travel on Pre-Embarkation Leave will be by normal means.

2. Where the member has an entitlement to a leave travel warrant under Chapter XII, Section 4 of Naval Pay Instructions, this will be used for travel on Pre-Embarkation Leave.

3. Travelling time will be granted under normal rules in respect of journeys which will exceed 12 hours. RI 0950 refers.

4. Naval Pay Instructions will be amended in due course.

(465/3/268 HPB)

(*Navy Order 458/70*)

UNCLASSIFIED

461/70—Long Term Duty Overseas—Importation of Motor Vehicles

1. Under Customs law provision exists for a motor vehicle to be admitted free of duty and sales tax subject to certain conditions, when brought to Australia by a returning Australian or other passenger who intends to take up permanent residence in Australia. One of the conditions is that the vehicle shall have been in the passengers use and possession overseas for at least 15 months immediately before the passenger left for Australia.

2. Where members have been recalled to Australia before the 15 months minimum period of use and possession of their motor vehicle has elapsed, requests have been received by the Department of Customs and Excise for a relaxation of the minimum period of use and possession of the vehicle thus making it eligible for free admission. Although the circumstances of his recall are often beyond his control there are no means whereby payments may be made to compensate for unexpected expenses incurred by a member. All such requests are therefore refused without exception.

3. The Department advises that members should be in no doubt that if they purchase a motor vehicle anticipating that it may be subsequently eligible for free admission on their return to Australia, they do so in the knowledge of the risk that the vehicle will be subject to duty and sales tax if the conditional minimum period of use and ownership is not met.

4. This notification should not be construed as modifying other conditions required to be met before a motor vehicle is accorded free admission.

(184/1/14 HPB)

UNCLASSIFIED

462/70—Members Serving Overseas—Child Education Allowance

1. With effect from 1 January 1970 Child Education Allowance has been increased as follows:

a. Category 'A'—$1,300 per school year.

b. Categroy 'B'—$680 per school year.

2. Eligible members should claim adjustments from Navy Office. Claims should be accompanied by evidence of expenditure.

3. NPI 105/303 should be noted pending amendment.

(252/10/9 HPB)

UNCLASSIFIED

463/70—Programme of Educational Tests in the RAN During 1971

1. The following will be the programme of educational tests in the RAN during 1971:

a. ETI:

(1) Fleet: 12 March
6 August

(2) HMAS CERBERUS: Supplementary ET1 for Recruits:

19 February	11 June	1 October
12 March	9 July	29 October
9 April	6 August	24 November
14 May	3 September	24 December

(3) HMAS LEEUWIN: Supplementary ET1 for Junior Recruits:

12 February	20 August
21 May	19 November

b. **Services General Certificate of Education**

(1) SGCE—April 1971

	Forenoon	*Afternoon*
Thursday 15 April ..	English Expression	English Literature
Friday 16 April ..	Mathematics I and Modern Mathematics I	—
Monday 19 April ..	Mathematics II and Modern Mathematics II	Geography
Tuesday 20 April ..	Physics	Social Studies
Wednesday 21 April ..	Economics	Modern History
Thursday 22 April ..	Navigation	Asian History

(2) SGCE—October 1971

	Forenoon	*Afternoon*
Monday 18 October ..	English Expression	English Literature
Tuesday 19 October ..	Mathematics I and Modern Mathematics I	Modern History
Wednesday 20 October	Mathematics II and Modern Mathematics II	Geography
Thursday 21 October ..	Physics	Chemistry
Friday 22 October ..	Economics	—
Monday 25 October ..	Navigation	Asian History
Tuesday 26 October ..	Social Studies	—

c. **LEEUWIN Educational Tests (LET)**

1 March to 8 March
17 May to 24 May
30 August to 6 September
15 November to 22 November

2. This order will be reprinted for posting on notice boards.

3. Navy Order 676/69 is hereby cancelled.

(325/1/25 DNES)

(Navy Order 676/69)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

464/70—Alteration and Addition Item—HMA Ships PERTH, YARRA and PARRAMATTA

The following Alteration and Addition Item is approved to be carried out in HMA Ships PERTH, YARRA and PARRAMATTA:

Class List Item No 22 (Ex TDL 'NSAP')—PERTH.

Class List Item No 407 (Ex TDL 'NFEL')—YARRA and PARRAMATTA.

a. *Item:* 'To install a Cooling Water Indicator Box Cat No 6220/66/L69123 and to modify ships wiring and Ikara Cabinets B1 and C2, and outfits B3, C5 and E7, to provide monitoring and interlocking facilities for the cooling of electronic cabinets in the Test Room generally in accordance with Drawing No 849/21/55, Section H, Sheet 5, Issue 2 (for HMAS PERTH) and No 657/21/245, Section 10, Sheet 2 (for HMA Ships YARRA and PARRAMATTA).'

b. The weight change for the item is an increase of 20 lb.

c. *Reference:* Navy Office Drawing 235/243 (GID Drg 80/92).

(1211/251/187 CNTS)

UNCLASSIFIED

465/70—Ammunition—Demolition Stores—637315 Detonators Percussion N5 Mark 1—Imposition of Age Limit

1. *Information* .. .. .. In view of unsatisfactory results of Annual Proof it has been decided that 637315 Detonators Percussion N5 Mark 1 will have a life of five years and will be accounted for by RAN Armament Depots using a seventh and eighth digit to denote the year of filling. Service users should continue to demand and account for these detonators under the first six digits.

2. *Action by HMA Ships* .. .. Stocks of over age detonators are to be exchanged for detonators less than five years old at the nearest RAN Armament Depot.

3. *Safety Category* .. .. .. BR 862 (NMER) Article 1705 (1) category ff, not dangerous but may have a percentage of failures to fire.

4. *Remarks* .. .. .. Separate instructions have been issued to Armament Depots.

(715/51/347 DAS)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

466/70—Lifting Appliances and Associated Equipment—Periodic Survey and Testing Requirements

Navy Order 318/69 is to be amended as follows:

In Paragraph 1. General

Add new Sub-paragraph:

'It should also be noted that for equipment in Naval Armament and Weapon Equipment Depots the requirements for maintenance, survey and testing, etc, are as laid down in BR 1030 (5B) Annexes 9A and 9B and the Standard Maintenance Routine quoted therein, and, therefore, the requirements of this Navy Order will not in general apply to these Depots. Equipment not covered in BR 1030 (5B), etc, eg, Geared Blocks, are to be surveyed and tested in accordance with this Navy Order.'

(400/201/152 DMED)

(*Navy Order 318/69*)

Printed for the Government of the Commonwealth by W. G. MURRAY, Government Printer, Canberra

HISTORIAN

RESTRICTED

ANOs 467/70-482/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
28 September 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

22608/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

467/70—Commissioning

The following decommissioning has been effected:

HMAS TEAL . . . . . 14 August 1970.

(1211/251/200 AS (NS))

UNCLASSIFIED

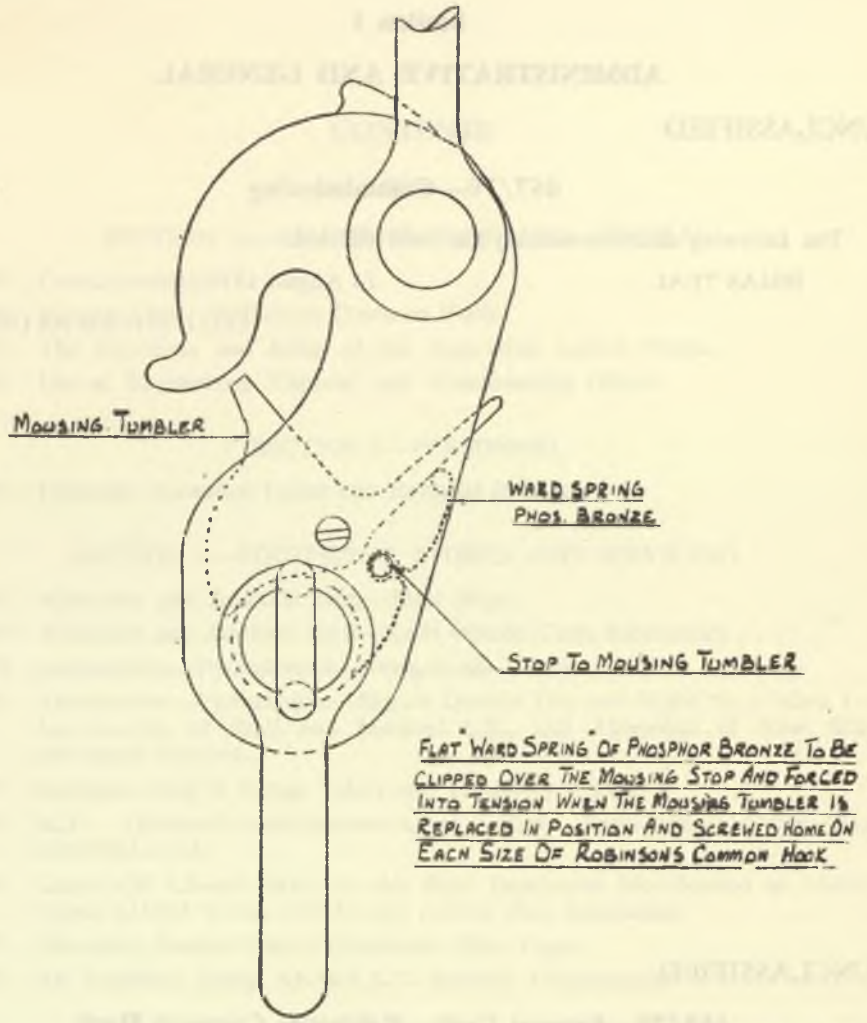
468/70—Support Craft—Robinsons Common Hook

(DCI (RN) 637/70)

1. Modifications have been found necessary to Robinsons Common Hooks in service in the RN as a result of some of these hooks tending to disengage when hoisting boats in a seaway. The modification is to fit a flat Phosphor Bronze 'Ward Spring' in accordance with the sketch. The spring shall be clipped over the mousing stop and forced into tension when the mousing tumbler is replaced in position and screwed home.

2. Details of the modification is shown on Navy Office Drawing No 0/2409-1 Rev 1 and copies of drawing are being forwarded to the Dockyards. All other drawings relating to Robinsons Common Hooks are now cancelled.

3. Commanding Officers of ships with boats hoisted on Robinsons Common Hooks should insert an item in their Defect List to cover the modification as mentioned in Paragraph 1 above.



(1236/51/188 (DSD)

UNCLASSIFIED

469/70—The Functions and Roles of the Australian Armed Forces

1. The following Functions and Roles of the Australian Armed Forces are promulgated for the guidance of all concerned in accordance with the Chiefs of Staff Committee Memorandum No 5/1970.

Introduction

2. The purpose of this order is to provide a statement in broad and fundamental terms of the functions and roles of the Australian Armed Forces. The fulfilment of a specified role embraces numerous activities which are essential to enable a Service

to discharge its functions. This order will also be included in JSP (AS) 201, Division of Administrative Responsibilities of the Services in Operations (DARSO) and such other Joint Service Publications considered necessary.

3. The approved definitions of function, role, mission and task are listed hereunder. It is most important that these definitions be applied consistently, and that any statement of functions, etc, be tested against them before being used:

Function: Broad responsibility proper to an organisation.

Role: Type of activity involved in discharging a function.

Mission: The task together with its purpose, thereby clearly indicating the action to be taken and the reason therefore.

Task: A particular undertaking.

4. The statement of Functions and Roles, and the operational responsibilities of the Armed Forces developed from them, provides clear guidance on what is the business of each Service. This guidance is necessary in making decisions on the capabilities to be developed by the Armed Forces. Basically, functions are unchanging; roles are subject to change with developments in science and technology and changes in the equipment, weapons and tactics; whilst capabilities to perform missions and tasks are developed against a periodic re-assessment of the Strategic Basis of Australian Defence Policy and joint concepts of operations. The statement of a role or function does not, in itself, require that a capability to discharge it must be provided. Decisions to provide capabilities and their extent are made from a critical analysis of, inter alia, threats, priorities, and resources and the requirement to maintain and develop specialised forms of warfare.

Common Functions

5. The common functions of the Australian Armed Forces is, by acting as an independent national force or in association with Allied Forces, to:

a. deter aggression;

b. ensure the security of Australia and its Territories; and

c. uphold and protect Australia's national interests by military means.

Common Roles

6. Common roles of the Armed Forces are:

a. to prepare forces and establish reserves of equipment and supplies for the effective discharge of the common function;

b. to organise, train and equip forces for joint operations, including amphibious and airborne operations, and the establishment of joint or combined headquarters;

c. to develop and maintain reserve forces to supplement or expand the Regular Forces;

d. to assist each other in fulfilling their Single Service roles;

e. to establish and operate bases and other installations;

f. to provide joint and single service communications;

g. to provide intelligence for the National Intelligence Organisation and intelligence for operational use by the Services;

h. to provide training for the military forces of designated nations;

i. to develop the indigenous forces of TPNG;

j. to provide aid to the civil power as directed;

k. to provide assistance to Civil Authorities and Organisations as authorised; and

l. to conduct research, and develop tactics, techniques and organisation for the fulfilment of their roles.

Single Service Roles

7. Single Service functions are:

a. *Royal Australian Navy*. The conduct of operations at sea for the defence of Australia and Australian interests.

b. *Australian Army*. The conduct of operations on land for the defence of Australia and Australian interests.

c. *Royal Australian Air Force*. The conduct of operations in the air for the defence of Australia and Australian interests.

Single Service Functions

Royal Australian Navy

8. The roles of the Royal Australian Navy are:

a. to organise, train and equip naval forces, including naval aircraft, for timely and sustained combat operations at sea:

(1) to detect and destroy enemy naval forces and sea commerce;

(2) to establish and maintain superiority in areas as necessary for naval operations including the protection of sea lines of communication;

(3) to conduct naval offensive operations against enemy forces and installations; and

(4) to conduct naval reconnaissance and surveillance, anti-submarine warfare, the protection of shipping, and hydrographic and oceanographic survey;

b. to provide naval support for land operations;

c. to provide military sea transport support for the Australian Services; and

d. to provide seaward defence of ports and anchorages.

Australian Army

9. The roles of the Australian Army are:

a. to organise, train and equip Army forces including army Aviation for the conduct of timely and sustained combat operations on land, to defeat enemy forces and to seize, occupy and defend land areas;

b. to provide specified logistic services and support in the field to the other Australian Services;

c. to provide general area ground defence of Service installations and low level air defence in designated areas;

d. to develop techniques and provide for the implementation of civic action programmes in support of ground operations; and

e. to conduct geodetic surveys and to provide landmaps and aircharts for the Australian Armed Services.

Royal Australian Air Force

10. The roles of the Royal Australian Air Force are:

a. to organise, train and equip air forces for timely and sustained combat operations:

(1) to defend Australia, its Territories and Australian forces against air attack;

(2) for offensive air-strikes against enemy forces and installations;

(3) to control vital air areas and establish local superiority when required;

(4) for air reconnaissance; and

(5) for maritime air warfare and ocean surveillance;

b. to provide close offensive and tactical air transport and air support for the Army; and

c. to provide strategic and other military air transport support for the Australian Armed Forces.

(1600/208/98 D of P)

UNCLASSIFIED

470/70—Use of Expressions 'Captain' and 'Commanding Officer'

1. The Naval Board have reviewed the expressions 'Captain' and 'Commanding Officer', having regard to inconsistencies in their use.

2. Except in a disciplinary context, these expressions are taken to have, in the Navy the meanings set out in the Explanation of Terms on Page xvi of RI, as follows:

'The Captain. The officer appointed to command the ship.'
'The Commanding Officer. The officer or other person on board and in actual command at the moment . . .'

3. Although disciplinary powers are primarily exercised by 'the officer appointed to command the ship', the expression 'Captain' is not used in the Naval Discipline Act and associated regulations. Disciplinary powers are conferred on the 'Commanding Officer' (*see* the Naval Discipline Act 1957, section 49, and QR and AI Article 1944). The meaning of 'Commanding Officer' in this context is the officer appointed to command the ship or the officer who assumes command under RI 0235 (1). 'Commanding Officer' is also used in this sense in other Acts of Parliament (eg, the Defence Act) and regulations made under Acts of Parliament (eg, Naval Forces Regulations, Naval Financial Regulations). It is also useful in this sense in inter-service contexts and will be used exclusively in the Bill for a uniform disciplinary code which the Government has announced.

4. The use of the two distinct expressions ('Captain' and 'Commanding Officer') to designate two such closely related concepts has results that appear anomalous. For example, correspondence from Navy Office intended for ships and establishments is addressed to 'the Commanding Officer' whereas RI 5205 (1) requires an officer signing correspondence in a ship or establishment who is not the officer appointed to command the ship or establishment to sign 'for Captain' (not 'Commanding Officer' or 'for Commanding Officer').

5. The Naval Board have decided that these inconsistencies would be avoided if one expression were used for all official purposes. In future, therefore, the expression 'Commanding Officer' is to be used for all official purposes. Pending amendment of existing official publications, etc, to remove references to 'the Captain' all such references are to be read as references to 'the Commanding Officer'.

6. This decision does not, of course, make improper continued colloquial, social and unofficial description of a Commanding Officer as 'the Captain'.

7. The following amendments to RI are effective forthwith:

a. **Page xvi:**

(1) Definition of 'The Captain'. *Add:* (This term is obsolescent. RI is being progressively amended to substitute 'Commanding Officer.)

(2) *Omit* the definition of 'The Commanding Officer', *insert* the following definition:

The Commanding Officer. The officer posted to command the ship or establishment. On the exercise of the Commanding Officers powers by other officers if he dies, is sick or is absent from the ship or establishment, *see* Article 0235.)

b. **Article 0235 (2).** Amend *to read:*

When the Commanding Officer, without having ceased to exercise command, is absent, the officer on board who is next in command:

(1) is responsible for everything done on board;

(2) is to exercise for the purpose of fulfilling that responsibility, the powers and perform the duties of the Commanding Officer on his behalf (except the powers of punishment of the Commanding Officer); and

(3) has authority over all officers of whatever relative rank and whether entitled to sea or military command or not.

c. **Article 0236.** Amend *to read:*

Authority of the Executive Officer. All officers of whatever relative rank, and whether entitled to sea or military command or not, are to be subject to the authority of the officer appointed as Executive Officer, except in matters in which Heads of Departments have a direct responsibility to the Commanding Officer.

d. **Article 0237.** Amend *to read:*

Authority of the Officer of the Watch. Every officer and other person under the rank of Captain, not being the Commanding Officer or an officer exercising the powers under 0235 (2) or the Executive Officer is to be subordinate to the Officer of the Watch, whatever may be his rank, in regard to the performance of the duties with which the Officer of the Watch is charged. *See* Chapter 32, section III.

8. RI will be formally amended in due course.

(18/3/64 CEO (GS))

Section 2

PERSONNEL

UNCLASSIFIED

471/70—Furlough, Extended Leave and Payment in Lieu

Navy Order 332/70 is to be amended as follows:

Delete clause e. of Paragraph 20. and *insert:*

'service with the RAN on loan from the Royal Navy or from the Navy of any of Her Majesty's dominions.'

(271/1/79 HPB)

(*Navy Order 332/70*)

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

472/70—Alteration and Addition Item—Fleet Ships

The following Alteration and Addition Item is approved for the undermentioned ships:

Ship	*Class List Item*
MELBOURNE	228 (Ex TDL 'NMBB').
SYDNEY	348 (Ex TDL 'NYAF').
Type 12 DEs	345 (Ex TDL 'NFDK').
Daring Class Destroyers (excluding DUCHESS)	117 (Ex TDL 'NDBX').
DDGs	7 (Ex TDL 'NSAA').
Ton Class Minesweepers/Minehunters	29 (Ex TDL 'NCY').
QUEENBOROUGH	608 (Ex TDL 'NQAU').
ANZAC	178 (Ex TDL 'NBBE').

a. *Item:* 'To fit Marconi "Lifeguard" Auto Alarm radio outfit SQA.'

b. Full weight compensation is required as follows before the item is undertaken:

MELBOURNE	Details will be advised later.
YARRA	90 lb at 1 deck level or 60 lb at 01 deck level.
PARRAMATTA	
DDGs	190 lb at 1 deck level or 90 lb at 01 deck level.
TCMS	105 lb at 1 deck level or 55 lb at 01 deck level.

c. The item is not to be undertaken in HMA Ships STUART and DERWENT until the weight moratorium has been lifted.

d. Weight compensation is not required in HMA Ships SYDNEY, VAMPIRE, VENDETTA and QUEENBOROUGH nor in HMAS ANZAC while the ship remains in the training role.

e. *Reference:* Navy Order 72/68. (Navy Order will be re-promulgated shortly.)

(1211/251/79 CNTS)

(*Navy Order 72/68*)

UNCLASSIFIED

473/70—Alteration and Addition Item—RAN Oberon Class Submarines

The following Alteration and Addition Item is approved to be carried out in RAN Oberon Class submarines:

Class List Item No 23 (Ex TDL 'NLF').

a. *Item:* 'To replace existing 4-inch engine sea water discharge SDNR valves by 4-inch Orseal power operated hull valves.'

b. The weight change for the item is 400 lb.

(1218/51/769 CNTS)

RESTRICTED

474/70—Ammunition—Pyrotechnics—Navigational Outfits

1. Navy Order 169/69 is to be amended as follows:

Delete:	365045 Signals Distress Mark 13 Mod 0	– 4 – 4
Substitute:	365045 Signals Distress Mark 13 Mod 0 .. .. or 365162 Signals Distress No 1 Mark 1	– 4 – 6

2. These amendments are required due to:
   a. the progressive phasing out of service of the Mark 13 Mod 0 signals (Navy Order 12/70 refers);
   b. the packing of 6 No Signals distress together with 6 No Rockets lifechute (Navy Order 510/69 refers).

(725/252/43 DAS)

(*Navy Orders 169/69, 510/69 and 12/70*)

UNCLASSIFIED

475/70—Ammunition—Pyrotechnics—Signals Distress Day and Night No 1 Mark 1—Introduction of Shelf and Installed Life, and Allocation of New Store Reference Number

(*DCI (RN) 1356/68*)

1. *Item:* Signals Distress Day and Night No 1 Mark 1:
Old Store Reference No 36505811.
New Store Reference No 365162.

2. *Information:*
   a. A shelf life of five years and an installed life of one year has been allocated to this signal (Navy Order 12/70 refers).
   As a consequence it has been necessary to allocate a new eight-digit Store Reference Number of which the last two digits indicate the year of filling. HMA ships and RAN air stations should use the first six digits only when placing demands, etc.
   b. Use of No 1 Mark 1 Signals in Life Rafts. The shelf and installed life of these signals can be extended by two months when used in liferafts in order to allow for completion of voyage, etc.

3. *RANADS only:* Only stock with more than one year of life remaining may be issued to Service.

(727/56/133 DAS)

(*Navy Order 12/70*)

UNCLASSIFIED

476/70—Ballistics—List of Range Tables and Trajectory Charts

1. This order lists all current range tables, their amendment status and the allowances for ships and establishments.

2. On receipt of this order, ships and establishments are to muster range tables and demand requirements in accordance with Navy Order 583/69.

3. Surplus tables are to be returned in accordance with Navy Order 583/69.

4. A complete set of range tables is defined as follows:

BR 2050 (402C)	AART for FPS3	last change 8/AUST AMEND 4
BR 2050 (641)	SURT for MRS 3, MRS 8, FPS 3, M22	last change 9/AUST AMEND 5
BR 2050 (644)	AART for MRS 3, MRS 8, M22	last change 9/AUST AMEND 1
BR 2050 (686)	Second Order range Tables for 4.5 inch Guns	last change 2
BR 2050 (630)	STARSHELL RT	last change 1
BR 2050 (685)	40/60 Second Order, R.T.	last change 1
BR 2050 (532)	40/60 RT with No FC equipment	last change 1
BR 2050 (652)	40/60 RT for MRS 8	last change 1
OP 1182 FIRST REVISION	SURT for 5 inch 54 cal	last change 5
OP 1184 FIRST REVISION	AART for 5 inch 54 cal	last change 4
BR 2050 (DN04)	2 inch Rocket target Trajectory chart	
BR 2050 (DN010)	2 inch Rocket flare Trajectory chart	

5. The following authorities should hold a complete set of Range tables:
ACNB (DUR)
ACNB (DNOI)
ACNB (DNEP)
OIC RANTAU
COMAUSFLT
HMAS CERBERUS (six sets)
FOCEA
INO (Sydney)
INO (Melb)
GMGID
GMWD
HMAS STALWART.

6. Ship allowances for Range tables are as follows:

MELBOURNE and SYDNEY ..	BR 2050 (532) BR 2050 (685)	
DDGs	OP 1182 OP 1184	
River Class DEs	BR 2050 (641) BR 2050 (644) BR 2050 (630) BR 2050 (686) BR 2050 (DNO 4) BR 2050 (DNO 10)	Not for SWAN and TORRENS

DUCHESS	BR 2050 (641) BR 2050 (644) BR 2050 (630) BR 2050 (532) BR 2050 (685) BR 2050 (686)
VENDETTA (with FPS3) ..	BR 2050 (402C) BR 2050 (641) BR 2050 (630) BR 2050 (686) BR 2050 (685) BR 2050 (532) BR 2050 (652)
VAMPIRE and VENDETTA (with M22)	BR 2050 (641) BR 2050 (644) BR 2050 (630) BR 2050 (686) BR 2050 (532) BR 2050 (685)
MORESBY	BR 2050 (532)
SUPPLY	BR 2050 (532)
WATERHEN	BR 2050 (532) 2 copies BR 2050 (DNO 4) 2 copies BR 2050 (DNO 10) 2 copies
MELVILLE	BR 2050 (532) 2 copies BR 2050 (DNO 4) 2 copies BR 2050 (DNO 10) 2 copies
TARANGAU	BR 2050 (532) 2 copies BR 2050 (DNO 4) 2 copies BR 2050 (DNO 10) 2 copies.

7. Navy Order 504/68 is hereby cancelled.

(700/255/80 DUR)

(*Navy Orders 504/68 and 583/69*)

UNCLASSIFIED

477/70—BCF (Bromochlorodifluoromethane) Fire Extinguisher—Group Class 0243/881-4724

1. The BCF hand portable extinguisher Catalogue No 0243/881-4724 and bracket, Catalogue No 0243/881-7335, for use with the extinguisher, introduced into service vide Navy Order 17/69 for fitment to new motor vehicles, is now approved as a replacement for existing obsolescent CTC extinguishers Catalogue No 0243/942-9586.

2. Demands should continue to be raised on SNSO for replacement CTC extinguishers where currently fitted and supply of these extinguishers will be made by Superintending Naval Store Officer until present stocks are exhausted when the BCF extinguisher will be supplied.

(1446/3/16 DSAP)

(*Navy Order 17/69*)

UNCLASSIFIED

478/70—Guns—QF 4.5-inch Mark 5—Air Blast Equipment Modification of 141012 Valve, 141025 Valve, 141031 and 141044 Pipe Assemblies

Navy Order 305/70 is to be amended as follows:

Amend **Paragraph 10 (Drawings)** as follows:

NOD 3176/18 *should read* NOD 3175/18.

(706/51/194 DAS)

(*Navy Order 305/70*)

UNCLASSIFIED

479/70—Microfilm Reader/Printer Equipment Print Paper

1. Tests conducted on print paper used in 3M Filmac Reader/Printers shows that the possibility of an electrostatic hazard exists. This paper must not be used in the vicinity of sensitive explosive devices or explosive atmospheres.

2. There is a chance that if this paper comes in contact with open electrical contacts, fusing of the paper may occur but the likelihood of obtaining a harmful electrical shock can be discounted. However, care should be taken when using such paper in the vicinity of open electrical contacts.

3. A notice is to be placed on each Reader/Printer drawing attention to these dangers.

(400/1/585 DOM)

UNCLASSIFIED

480/70—RF Amplifier Group AN/WLA-2—Security Classification

The above amplifier AN/WLA-2 series has been downgraded to UNCLASSIFIED.

(1617/1/109 DNI)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

481/70—Form SS101 (AS1053)—Record of Muster of Victualling Stores Tenders

1. In accordance with ABR 93, Manual of Victualling Stores, Part 1, Article 1607, all HMA ships and establishments carrying Victualling Stores are to record details of musters on Form SS101 (AS1053) Record of Muster of Victualling Stores.

2. As a result of the introduction of modified accounting procedures for small ships and submarines (Tenders) in which neither a Supply officer nor a Stores (V) sailor are borne, the maintenance of Forms SS101 by Tenders is no longer appropriate and the requirement is cancelled.

3. ABR 93, Manual of Victualling Stores, Part 1, will be amended.

(464/77/151 DSAP)

UNCLASSIFIED

482/70—MBR 8959—International Medical Guide for Ships—Introduction

1. MBR 8959—International Medical Guide for Ships: World Health Organisation 1967—has now been distributed to all sea-going ships, Naval Hospitals, Sick Quarters, the Joint Service Medical Centre, Canberra, and the RAN Medical School, HMAS CERBERUS.

2. This publication is now part of the compulsory kit for all members of the Sick Berth Branch (including WRANS) and Dental Assistant Branch, and copies should be demanded in accordance with Paragraphs 7 and 8 of Navy Order 583/69.

3. MBR 8959 replaces the following publications which are now obsolete, and should be disposed of in accordance with Paragraph 19 of Navy Order 583/69:

a. The Ship Captains Medical Guide.

b. BR 25 First Aid in the Royal Australian Navy.

c. BR 36 Medical and Surgical Handbook for the guidance of officers in command of HM vessels not carrying a Medical Officer.

4. The relevant scales in Part II of ABR 93—Manual of Victualling Stores—will be amended.

(156/51/8 MDG)

(*Navy Order 583/69*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN.

ANOs 483/70–496/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
9 October 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

23013/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

483/70—Commissioning

The following commissioning has been effected:

HMAS ARDENT .. .. 2 September 1970
(1211/251/200 AS (NS))

Section 2

PERSONNEL

UNCLASSIFIED

484/70—Adoption by Members of The Defence Force of Foreign Children

1. The Department of Immigration has advised that there have been isolated cases in the past few years in which legal difficulties have arisen in regard to the adoption of foreign children because the correct procedures were not followed in the initial stages and has requested that members of the Defence Force who may be contemplating the adoption of a foreign child be advised as to the correct procedure to follow:

2. In all cases a member contemplating the adoption of a foreign child should make his initial inquiries to the Director of Child Welfare in his home State or Territory. The Directors of Child Welfare have a statutory responsibility for handling inquiries of this nature and are in a position to enlist the aid of a recognised international agency, such as International Social Service, which is expert in the inter-country movement of children for adoption and whch will negotiate, on behalf of the member, with the foreign authorities concerned in accordance with principles consistent with good inter-country adoption practice.

3. The Department of Immigration has advised that International Social Service is an organisation headquartered at Geneva and with branches in a number of countries. It is the only international social agency in Australia competent to handle inter-country adoptions in a manner consistent with good inter-country adoption practice. It is maintained, in part, by a grant from the Commonwealth Government in view especially of its services to that Department in family matters extending across international boundaries, including proposals for inter-country adoption.

4. The Department has also advised that with respect generally to the adoption by Australian families of children from overseas, the situation, from the immigration aspect, is that there is no objection in individual cases to the entry of a child for adoption in Australia provided the adoption plan has the full support both of the adoption authorities (generally, the Child Welfare Department) in the State or Territory of residence of the prospective adopting parents and of the authorities in the overseas country where the child is resident, and co-operation between these two has been undertaken by some competent agency which is expert in the inter-country movement of children for adoption. There is no immigration objection to the entry into Australia of a child legally adopted by an Australian family overseas.

5. The following list sets out the titles and addresses of the various Directors of Child Welfare:

New South Wales:

The Director
Child Welfare Department
Corner William and Yurong Streets
SYDNEY NSW 2000.

Victoria:

The Director
Family Welfare Division
Social Welfare Department
55 Flemington Road
NORTH MELBOURNE VIC 3015.

Queensland:

The Director
Department of Childrens Services
Corner George and Margaret Streets
BRISBANE QLD 4000.

South Australia:

The Director
Department of Social Welfare
169 Rundle Street
ADELAIDE SA 5000.

Western Australia:

The Director of Child Welfare
Department of Child Welfare
823 Wellington Street
PERTH WA 6000.

Tasmania:

The Director
Department of Social Welfare
6 Salamanca Place
HOBART TAS 7000.

Northern Territory:

The Director
Welfare Branch
Department of the Interior
Mitchell Street
DARWIN NT 5790.

Australian Capital Territory:

The Director of Welfare
Facilities Branch
Department of the Interior
121 London Circuit
CANBERRA ACT 2601.

(56/1/17 HPB)

UNCLASSIFIED

485/70—James Laidley Dowling Memorial Scholarship

1. A Secondary School Scholarship was founded in 1967 at Cranbrook School in memory of Lieutenant J. L. Dowling who lost his life in the sinking of HMAS VOYAGER.

Eligibility

2. The Scholarship is open to the son of a serving member, a retired member, or an honourably discharged member of any of the Australian Armed Services. No more than two boys may hold the Scholarship at any time.

Benefits

3. The Scholarship is for either full tuition fees of a day boy; or tuition and boarding fees of a boarder. It provides free text books throughout the recipients school career.

Applications

4. Details and application forms are obtainable from the Registrar, Cranbrook School, Victoria Road, Bellevue Hill, NSW 2023.

5. Navy Order 453/67 is hereby cancelled.

(134/1/60 DNES)

(Navy Order 453/67)

UNCLASSIFIED

486/70—Personnel—Recovery of Victualling Charges from Civilians

1. Instances have occurred of civilians, who have been victualled in HMA establishments, finally leaving without advising the Naval Branch concerned, thus creating discrepancies between the numbers actually victualled and the number for whom victualling allowance is claimed.

2. As an aid to checking and to avoid similar discrepancies in the future, a check of passes on issue to civilian employees is to be carried out in conjunction with the check of Personal Record Cards presently prescribed in ABR 93, Manual of Victualling Stores, Article 0914 (i).

3. The certificates of check prepared by the Executive officer in accordance with Article 0914 (iii) are to be amplified to read as follows:

> 'I certify that the Forms PB110 (Personal Record Card) for sailors borne have this day been checked with sailors actually borne, as physically mustered at the General and Miss-muster payments held this day. Passes of civilian employees victualled have also been checked. Discrepancies have been rectified.
>
> Executive Officer.'

'I certify that the numbers of sailors and civilian employees actually messed, as shown in the Regulating Office record, have been checked with the numbers as shown by Form PB110 (Movements and Periods Not Victualled on General Mess) and any discrepancies have been rectified as detailed hereunder (here insert details of adjustments, ie, Back Checking and Back Victualling).

Executive Officer.'

4. ABR 93 will be amended.

(201/4/64 DSAP)

UNCLASSIFIED

487/70—Registrar for UK Servicemen Serving in Australia

1. The Royal Navy Liaison Officer has requested that the following information be brought to the attention of all Royal Naval personnel serving with the Royal Australian Navy.

2. It has been decided by the Registrar-General at Somerset House, London, that with effect from 1 August 1970, the registration of births, marriages and deaths of Royal Naval personnel and their families serving in Australia should be transferred to the British Defence Liaison Staff, Canberra.

3. The responsibility for these duties in respect of Royal Naval personnel was previously held by the Commanding Officer, HMS TERROR, Singapore.

4. The effect of the new arrangements will be that the registration of the occurrences of personnel and their families, of all three United Kingdom services in Australia, will be carried out by one Joint Service Registering Officer instead of the three separate registrars who previously existed.

5. Supplies of Forms ORS1 are available on request from the Joint Services Registering Officer, British Defence Liaison Staff, Canberra.

6. The full address of the Joint Services Registering Officer is:

Joint Services Registering Officer
British Defence Liaison Staff
British High Commission
Commonwealth Avenue
CANBERRA ACT 2600.

7. QR (RN) will be amended.

(333/5/22 HPB)

UNCLASSIFIED

488/70—Travelling Allowance—Members on Short Term Duty Overseas

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119/70 as varied by Navy Orders 158/70 and 319/70 have been further varied as follows:

Table A

Delete the rates for Britain, UAR Egypt, Ghana, Ireland, Israel, Lebanon, Nigeria and Singapore and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Britain	£ Stg ..	6.15.0	9.0.0	11.5.0
UAR Egypt ..	£ Egypt ..	11.000	12.650	14.250
Ghana	New Cedis ..	33.00	35.00	37.00
Ireland	£ Irish ..	6.15.0	8.15.0	11.0.0
Israel	£ Israel ..	98	110	125
Lebanon ..	£ Lebanon ..	80	90	100
Nigeria	£ Nigeria ..	9.0.0	10.5.0	11.10.0
Singapore ..	$S	75	90	105

2. The effective date for the variation in these rates is as follows:
   a. Singapore—12 May 1970.
   b. Ghana, Israel, Lebanon, Nigeria and UAR Egypt—15 May 1970.
   c. Britain, Ireland—8 June 1970.

(252/7/26 HPB)

(*Navy Orders 119/70, 158/70 and 319/70*)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

489/70—Officers Joint Warfare Courses

Navy Order 320/70 is to be amended as follows in Annex A:

ANNEX A

Course	*Start Date*	*Completion Date*
Forward Air Controller	8.3.71	19.3.71
	amended to	
	22.2.71	5.3.71
Company Commander Joint Warfare Study Period	24.5.71	28.5.71
	amended to	
	1.6.71	4.6.71

Course	Start Date	Completion Date
Joint Warfare	15.2.71	5.3.71
	amended to	
	2.2.71	19.2.71
Joint Warfare Study Periods	26.1.71	31.1.71
	amended to	
	16.3.71	19.3.71
	30.3.71	2.4.71
	amended to	
	23.3.71	26.6.71
	20.4.71	23.4.71
	amended to	
	11.5.71	14.5.71
	4.5.71	7.5.71
	amended to	
	18.5.71	21.5.71
Senior Officers Joint Warfare Study Period..	21.6.71	25.6.71
	amended to	
	29.6.71	2.7.71

(351/30/2052 D of T)

(*Navy Order 320/70*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

490/70—Alteration and Addition Item—General Fleet Fitting

The following Alteration and Addition Item is approved to be carried out in the following HMA ships:

Ships	*Class List Item No*	*Ex TDL*
HMAS MELBOURNE	246	NMCO
HMAS SYDNEY	381	NYBA
Daring Class Destroyers	165	NDCU
River Class Destroyers	107	NFGB
HMAS SUPPLY	74	NLCE
HMAS MORESBY	54	NHAP
HMAS ANZAC	196	NBBY
HMAS DIAMANTINA	658	NRAN
HMAS PALUMA	22	NPO
HMAS QUEENBOROUGH	624	NQBM
HMAS STALWART	18	NTO
HMAS KIMBLA	165	NKR
Ton Class Mine Sweepers	40	NCAN

a. *Item:* 'To replace existing Deck Escape Scuttles in ships so fitted (excluding DDGs) with escape scuttles manufactured to Navy Office Drawing 0/3549 Rev 2.'

b. Weight compensation is considered to be negligible.

c. *Reference:* DSDs Form TM168 dated 20 January 1970.

(1211/51/721 CNTS)

UNCLASSIFIED

491/70—Alteration and Addition Item—HMAS MORESBY

The following Alteration and Addition Item is approved to be carried out in HMAS MORESBY:

Class List Item No 56 (Ex TDL 'ABP').

a. *Item:* '(1) To remove present redundant cupboards from the CB Room and replace with open shelving generally in accordance with NO Drawing No 234/71 Rev 1.

(2) To land 2 in number Pattern 13000 safes from CB Room and 1 in number Pattern 1474 safe from Bridge.

(3) Fit 1 in number Pattern 5297 safe in Bridge in lieu of the Pattern 1474 safe.

(4) Replace existing door to the CB Room with a physically secure door arranged to open out.'

b. A slight weight saving will be achieved.

c. *Reference:* HMAS MORESBYs Form TM168 (AS1182) TDL 'ABP' dated 12 August 1969.

(1228/52/249 CNTS)

UNCLASSIFIED

492/70—Carriage of Canteen Stores in Departmental Vehicles

1. Service vehicles may at the discretion of the Commanding Officer be used for the carriage of Canteen Stores in accordance with the following provisions:

a. When vehicles are used solely for the carriage of Canteen Stores the rates specified in Annex A are to be charged.

b. When Canteen Stores are carried in vehicles on routine runs or on journeys incidental to normal Navy purposes, no charge is made.

2. The repayment rates prescribed in Annex A do not include an element to cover insurance risks in respect of privately owned stores carried on repayment in Service vehicles and an indemnity in the following form is to be obtained from messes concerned in respect of Canteen Stores carried:

In consideration of any goods or property being carried or transported in Commonwealth owned vehicles on behalf of.....
(Full name of Mess)
during the period 1 January 197 to 31 December 197 , I agree not to hold the Commonwealth, its servants, agents or employees responsible for any damage or loss to such goods or property while being so transported or carried.

SIGNATURE.....
(Where appropriate the words FOR AND ON BEHALF OF should be included before signing)

DATE / /

3. ABR 5013 will be amended.

4. Navy Order 438/67 is hereby cancelled.

ANNEX A

Repayment Rates for the Use of Service Motor Vehicles

1. The rates to be charged when Service vehicles are used on a repayment basis are as follows:

Vehicle Group	*Charge—cents per mile*
a. Cars, station wagons and light utilities	8
b. Heavy utilities and trucks up to 3 tons	12
c. Trucks exceeding 3 tons (except semi-trailers and low loaders)	17
d. Semi-trailers	28
e. Low loaders	35

2. The mileage to be charged for is the total mileage travelled by the vehicle from and to the garage, fractions of a mile to be counted as a mile.

(121/55/39 DSAP)

(*Navy Order 438/67*)

UNCLASSIFIED

493/ 70—Naval Stores (General)—3 Gallon Polyethylene Bottles for Acid and Distilled Water—Return When Empty

1. In view of the high usage rate of the undermentioned containers, they are to be returned to Store when empty, for re-use:

Stock No	*Description*	*Acctg/ Class*
8125-66-015-4454	Container, 3 gallon, Polyethylene for 0444/10685 Acid, Sulphuric 1.320, 0444/3 Acid, Sulphuric 1.270 and 0444/L3 Acid Hydrochloric 1.16	P
0473/L58254	Container, 3 gallon, Polyethylene for 0473/L58250 Distilled Water	P

2. Any empty containers held by HMA ships or establishments are to be returned to the nearest Naval Store Depot.

3. ABR 4 Appendix 25 and ABR 5074 will be amended in due course.

(512/51/96 DSAP)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

494/70—Documentation of Reports of Medical Boards of Survey—Form PM132, Revised and Form AF MED 23 (PM163)—Obsolete

1. Form PM132 is being revised and is to be used for the recording of Interim and Final Reports of Medical Boards of Survey. The title of the form will be 'Report of Medical Board of Survey'.

2. Detailed instructions for the use of this form will be issued in Medical Technical Instruction No 109 and will also be included in change No 4 to ABR 1991.

3. Initial supply of this form will be made without demand by SVSO, Sydney. On receipt of the revised Form PM132 existing stocks of PM132 and AF Med 23 (PM163) are to be destroyed.

4. Navy Order 256/69 is hereby cancelled.

(464/99/198 MDG)

(*Navy Order 256/69*)

UNCLASSIFIED

495/70—Catholic Prayer Book for Use in the RAN—Allocation of ABR Number

1. Navy Order 112/70 stated that the Catholic Prayer Book for use in the RAN had been allocated ABR No 5122.

2. This was an error and should have read ABR No 411.

3. Navy Order 112/70 is hereby cancelled.

(465/52/1856 DPS (A))

(*Navy Order 112/70*)

UNCLASSIFIED

496/70—Fire Occurrence Report Form (OD101)

1. Fire Report Form (AS228) has been abolished and a new form titled 'Fire Occurrence Report' (OD101) has been printed and replaces Form AS228.

2. Stocks held of Form AS228 should be destroyed and supplies of Form OD101 should be requisitioned in the normal manner.

(464/54/562 DOM)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 497/70-500/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
16 October 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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23352/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

497/70—RAN Trials and Assessing Unit

1. The responsibilities and functions of the RAN Trials and Assessing Unit (short title and signal address RANTAU) are as follows:

Officer-in-Charge RANTAU

2. Officer-in-Charge RANTAU is responsible administratively to the Flag Officer Commanding, East Australia Area, and functionally to the Naval Board. As Common Property Officer of the Naval area at RUSHCUTTER he is responsible to the Flag Officer Commanding, East Australia Area, for the external physical security and maintenance of the area.

3. The Trials and Assesing Unit has the following functions:

a. *Trials Unit*

(1) To inspect ships under construction, modernisation, conversion and extended refit by Naval or Civil organisations, as detailed in ABR 1921 Annex A, to determine that the ships will meet the user and maintainer requirements for Naval service, and to advise the Naval Board accordingly.

(2) To fulfil the requirement in ABR 1313 for inspections, tests and trials of submarines undergoing refit, and to advise the Naval Board accordingly.

(3) To conduct trials of ships equipment installed or modified by Naval or civilian organisations, as detailed in ABR 1921 Annex A, or as directed by the Naval Board, to ensure that its performance and installation is satisfactory for acceptance into Naval service, and to advise the Commanding Officer accordingly.

(4) To liaise with General Managers of Dockyards, General Overseers and Commanding Officers of ships in the preparation of trials and inspection programmes.

(5) To advise on amendments to Acceptance Trials Schedules and planned maintenance procedures.

(6) To liaise with User Schools, the Commander First Australian Submarine Squadron, the Medical Director-General and Director of Fleet Supply Duties for the part time assistance of specialist and sub-specialist officers to carry out trials and prepare reports as required.

(7) To conduct AS Mortar Calibrations and Sea Check Firings.

(8) To carry out Acceptance Trials of Naval equipments fitted in Naval establishments, excluding equipments for which the Department of Works is responsible.

(9) To advise Commanding Officers of HMA ships and Fleet Staff on the Planning of Pre and Post Refit Trials and assist with these trials when requested.

(10) To comment on firing records of Surface and Underwater Weapons, provide professional user advice in producing analyses, and advise on the causes of failure or unsatisfactory performance disclosed by anaylsis.

(11) Conduct ad hoc trails, investigations and evaluations as may be required by the Naval Board, Flag Officer Commanding HMA Fleet or Flag Officer Commanding East Australia Area.

b. *Weapons Assessing Unit*

(1) To analyse, assess and report on the following firing and non-firing practices as required by the Naval Board and the Flag Officer Commanding HMA Fleet:

(a) gunnery practices including anti-air, surface and naval gunfire support;

(b) surface to air and surface to surface missile practices;

(c) torpedo practices by submarines, surface ships and aircraft;

(d) AS Mortar calibrations and sea check firings;

(e) Ikara practices.

(2) To conduct, analyse, assess and report on:

(a) degaussing ranging;

(b) radiated noise ranging;

(c) self noise measurement;

(d) sonar acoustic measurement.

(3) To present summary reports including an annual Summary from data collected in (1) and (2) above for the Flag Officer Commanding HMA Fleet and the Naval Board.

(4) To advise on Missile Telemetry Data requirements for the RAN.

(5) To raise proposals for the introduction of new recording equipment and the amendment or modernisation of existing recording or telemetry equipments and procedures.

(6) To advise on requirements for new assessing techniques and/or instrumentation as new weapons/sensors are brought into service or as system requirements change.

(7) To train ships recording teams.

(8) To train WRAN and civilian assessors.

(9) To be responsible for the custody of equipment, and the operation and material state of:

(a) sound ranges;

(b) degaussing ranges;

(c) the Jarvis Bay Tartar Telemetry Station.

(10) To assist the Ikara Operational Evaluation Team with data reduction.

Ikara Operational Evaluation Team

4. The Ikara Operational Evaluation Officer is responsible to the Officer-in--Charge RANTAU for the conduct of the RAN Operational Evaluation of Ikara. (Confidential Navy Order 31/70 refers.)

5. The Officer-in-Charge RANTAU is to forward a six-monthly review of activities including problem areas for the information of the Naval Board.

6. In many instances the functions of the Officer-in-Charge RANTAU are complementary to those of the General Overseers and Superintendents of Inspection, and the General Managers of HMA Naval Dockyards. Details of the divisions of responsibility are given in Annex A of ABR 1921.

7. The Officer-in-Charge RANTAU may correspond with Commanding Officers of ships and establishments and Directors at Navy Office on matters of routine affecting RANTAU.

Directorate Responsibilities within Navy Office

8. Within Navy Office, responsibilities associated with RANTAU are as follows:

a. The Director-General Fighting Equipment is responsible for Naval Staff aspects of weapon performance and evaluation.

b. Under the Director-General Naval Production and the Director-General Dockyards and Maintenance as appropriate, Project Directors initiate action on all equipment and weapon installation trials reports.

c. The Director of User Requirements is the co-ordinating authority of RANTAU interests, and is responsible for the co-ordination of all trials requirements and of follow up action on trials reports. For ships building, undergoing modernisation, conversion and extended refit, DUR works in conjunction with the Director of Naval Ship Production.

d. The Director of Scientific Services advises on instrumentation and equipment requirements for the Weapon Assessing Unit, and on overseas assessing methods.

9. Navy Order 92/70 is hereby cancelled.

(2/4/268 DGFE)

(*Confidential Navy Order 31/70 and Navy Order 92/70*)

Section 2

PERSONNEL

UNCLASSIFIED

498/70—RAN College Timetable—1971

1. The following timetable for the Royal Australian Naval College 1971 has been approved by the Naval Board:

Monday 4 January ..	.. Class I (Degree course) returns from leave
Sunday 10 January ..	.. Class I (CRESWELL course) returns from leave
Monday 18 January ..	.. New entry cadets join
Monday 25 January ..	.. First academic term begins
Friday 19 March ..	.. } Mid-term long weekend
Monday 22 March ..	.. }
Tuesday 23 March ..	.. Additional entry cadets join
Friday 7 May ..	.. First academic term ends
Monday 24 May ..	.. Second academic term begins
Friday 2 July ..	.. } Mid-term long weekend
Monday 5 July ..	.. }
Friday 20 August ..	.. Second academic term ends
Monday 13 September	.. Third academic term begins
Friday 22 October ..	.. } Mid-term long weekend
Monday 25 October ..	.. }
Friday 3 December ..	.. Promotion Day. Academic year ends
Friday 10 December ..	.. Cadets proceed on leave.

2. In order to conform with the re-arranged calendar of the University of NSW, the timetable for first year degree courses will vary slightly from the above.

3. Navy Order 691/69 is hereby cancelled.

(310/1/69 DAPO)

(*Navy Order 691/69*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

499/70—Ammunition—Fuzes, Tubes and Primers—Fuzes No 230 Mark 5—Lot 152—Maker GB—Filler BR 7/45—Withdrawn from Service

1. *Item* .. .. Fuzes Percussion DA No 230 Mark 5—Lot 152—Maker GB—Filler BR 7/45.

2. *Action to be taken* .. .. a. By HMA ships and shore training establishments—Fuzes, loose and in shell, are to be returned to RAN Armament Depots at the first opportunity and replacements demanded. Shells are not to be unfuzed on board.

   b. By RAN Armament Depots—all stocks and future receipts of these fuzes in shell, are to be defuzed under precautions and the recovered fuze together with any loose fuzes held are to be reported to Navy Office for disposal.

3. *Where found* .. .. .. Fuzes to be withdrawn may be found in service under any of the following Catalogue Reference Nos:

Loose:

35809211—Fuzes with gaines and exploders.

35809212—Fuzes with gaines but without exploders.

35809213—Fuzes without gaines or exploders.

Fuzes to be withdrawn may also be found in service fitted to shells/cartridges of the following Catalogue Reference Nos:

In shell:

34103714—Cartridges QF 4 inch Mark 16* gun HE.

34125814—Cartridges QF 4 inch Mark 16* gun HE.

3. *Where found*—continued

In shell—continued

34307017—Cartridges QF 4 inch Mark 16* gun HE.

33737311—Shell 4.5 inch HE.

33737312—Shell 4.5 inch HE.

33753011—Shell 4.5 inch Marker.

4. *Reason for withdrawal* .. .. These fuzes are suspected of copper azide contamination. They are being withdrawn from service and disposed of.

5. *Safety category* .. .. .. BR 862, Article 1705—Category 'dd'—dangerous if used.

(726/70/234 DAS)

UNCLASSIFIED

500/70—Mortars—A/S Mortar Mark 10—159879 Rings Half—Introduction

(*DCI (RN) 862/70*)

This Navy Order applies to RAN Armament Depots and HMA ships fitted with A/S Mortar Mark 10:

1. *Information* .. .. .. Rings Half 159879 have been designed and are introduced into service to provide protection for the machined face of the Barrel, outer, which is used as a clinometer plane.

2. *Action required* .. .. .. a. A/S Mortar Mark 10 Barrels in RAN Armament Depots to be dealt with as soon as possible.

   b. HMA ships to be dealt with as opportunity permits.

3. *Schedule of modifications* .. .. Add Serial No 39.

4. *Parts affected* .. .. .. Barrel.

5. *Nature of modification* .. .. Fit 2-No 159879 Rings Half and secure with 12-No 159867 Screws.

6. *Urgency* .. .. .. b.

7. *To be done by* .. .. .. d.

8. *Authority* .. .. .. Navy Order 500/70.

9. *Drawings* .. .. .. AME4070 (hole q).
   AME6580 (Note 7).

(707/51/174 DAS)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 501/70—511/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
22 October 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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23488/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

501/70—Stores Documentation in HMA Ships

1. As stowage space for vouchers, dead ledger pages, etc, is often at a premium in HMA ships, arrangements have now been made for ships to land vouchers, etc, which have been subject to audit inspection, into safe custody ashore, until the provisions of ABR 4 Article 1803 (Disposal of Records) can be met.

2. Separate custody arrangements have been made in the Sydney and Melbourne areas. In Sydney the ships store accounting officer is to make suitable arrangements with the Senior Store Supervisor or SASO staff at Spectacle Island (between 7.30 am and 3.50 pm Monday to Friday). In Melbourne he is to make suitable arrangements with the Naval Store Officer, Melbourne.

3. Ships staff are required to pack the documents in cartons (0462/L73555 or similar, available from SNSO) suitably labelled and be responsible for delivery to the storage location.

4. A record is to be maintained in the ship, indicating what documents have been landed, and on each occasion when the ship returns to port, ships staff are to examine the record of vouchers landed in order to arrange for disposal as necessary.

(400/2/169 DSAP)

Section 2

PERSONNEL

UNCLASSIFIED

502/70—Naval Emergency Reserves—Payment of Travelling Allowances in State of Residence

1. Members of the Royal Australian Naval Emergency Reserve normally residing in country areas who, when undergoing their annual naval service, are required to live out as accommodation and victualling are not available in the establishment to which they are posted, may be paid Travelling Allowance at the appropriate rate, provided they do not reside at home.

2. Advances may be made up to 90 per cent of allowances payable in accordance with normal accounting instructions. However, duplicate copies of vouchers are to be forwarded to the Director of Naval Reserves in accordance with Paragraph 68 of Navy Order 188/70 and Forms PB105 (AS542) are to be endorsed in the appropriate areas.

(302/51/77 DRNP)

(Navy Order 188/70)

UNCLASSIFIED

503/70—Next-of-Kin Details

1. It has come to notice that many next-of-kin addresses recorded in personal records are not correct, especially in cases where members have returned from overseas postings.

2. The importance of reporting up to date next-of-kin details cannot be stressed enough, as in the event of injury, serious illness or death the next-of-kin shown will be contacted at the address recorded. If these details are incorrect, much confusion and unnecessary hardship and suffering could result.

3. Early action should therefore be taken by all personnel to ensure that the next-of-kin details recorded on Forms PH13 (Officers) and PH14 (Sailors) are correct and that any changes required are reported as soon as possible.

4. This Navy Order will be reprinted for posting on Notice Boards.

(341/4/60 HPB)

UNCLASSIFIED

504/70—Requests for Visits to United States Activities

1. The United States policy concerning visits of foreign personnel to United States Naval facilities requires that at least 30 days notice is given when submitting visit requirements. For visits to USA Defence Communications—Electronics Organisations six weeks notice is required.

2. All requests for visits by RAN and Civil personnel are required to be channelled through ANA Washington and are to be submitted so that they reach that office at least six weeks in advance of normal visit dates or at least nine weeks in advance where visits to USA Defence Communications—Electronics Organisations are concerned.

3. The fullest possible information is to be furnished with all requests for information or visits. In this regard it is pointed out that for such requests US policy allows only those subjects specified to be discussed. Briefings or discusions are not extended to peripheral items and where briefings are requested on broad topics only the briefings given will be as broad as the topic and couched in laymens terms.

4. Advice of proposed visits should include:

a. Full name
b. Rank/Grade
c. Date of birth
d. Home address
e. Supporting organisations
f. Place to be visited (Full address)
g. Name of person(s) to be interviewed if known
h. Security clearance
i. Purpose of visit (to be stated as fully as possible and to include need to know)
j. Date and duration of visit (give exact date if known or earliest visit likely, plus overall period).

5. In order that the above procedures can be complied with Administrative Authorities when concerned with arrangements for personnel to make such visits are to ensure the above details are forwarded to Navy Office as soon as possible.

(42/201/44 DNI)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

505/70—Alteration and Addition Item—HMAS KIMBLA

The following Alteration and Addition Item is approved to be carried out in HMAS KIMBLA:

Class List Item 164 (Ex TDL 'BD').

a. *Item:* 'Remove AT 13c one B40 and 633 and replace with AN/URT-24 and one HF SSB receiver when equipment becomes available. Remote positions to be fitted in laboratory and on compass platform. (As recommended by Captain Trials Letter C20.12.2 dated 18 September 1969).'

b. The weight change for the item is considered to be negligible.

c. *Reference:* HMAS KIMBLAs Form TM168 (AS1182) TDL 'BD' dated 23 September 1969 forwarded under cover of FOCAF Memorandum dated 17 October 1969.

(1232/51/116 CNTS)

UNCLASSIFIED

506/70—Introduction of Expendable Bathythermograph (XBT)

Navy Order 399/70 is to be amended as follows:

Paragraph 3, line 4, *delete* 'RAN' and *substitute* 'RN'.

Paragraph 4, second sentence, *amend* to read:

'A measurement of temperature is signalled back continuously to the ship over a fine insulated wire and is recorded as a temperature/depth (degrees centigrade/Metre) plot on a recorder sited in the Operations Room or Bridge.'

Paragraph 5. 'On the role' *amend* to read 'on the roll'. 'DFM 1224/52/392' *amend* to read 'DFM 1224/51/392'.

(1224/51/392 DFM)

(*Navy Order 399/70*)

UNCLASSIFIED

507/70—RAN Oberon Class Submarines—Designation of Refitting and Associated Authorities

1. In order to make the best use of facilities and trained personnel a special division of responsibilities for the refit of submarines has been designated as follows:

Authority Description	*Holder (and subsidiary)*
Refitting Authority	General Overseer and Superintendent of Inspection EAST AUSTRALIA AREA.
Ordering Authority	Australian Commonwealth Naval Board (Chief of Naval Technical Services).
Financial Control	Area Finance Officer (in conjunction with Refitting Authority).
Administrative Authority	Flag Officer Commanding HM Australian Fleet through Commander First Australian Submarine Squadron.
Acceptance Authority	Flag Officer Commanding HM Australian Fleet through Commander First Australian Submarine Squadron advised by Officer-in-Charge RANTAU.
Design Authority	Australian Commonwealth Naval Board (Chief of Naval Technical Services) (General Overseer and Superintendent of Inspection EAST AUSTRALIA AREA as local contact).
Inspection Authority	General Overseer and Superintendent of Inspection EAST AUSTRALIA AREA.
Quality Authority	Australian Commonwealth Naval Board (Director of Naval Quality Assurance) (General Overseer and Superintendent of Inspection EAST AUSTRALIA AREA as local contact).
Main Contractor	Cockatoo Island Dock and Engineering Co Pty Ltd.
Sub-contractor	Various. The General Manager, GARDEN ISLAND DOCKYARD will be regarded as a sub-contractor.

2. For repairs, dockings and mid-cycle surveys (as opposed to refits) the ordering and financing of such work will continue to be the responsibility of General Manager, Garden Island Dockyard.

3. ABR 1313 will be amended in due course.

(1218/51/779 DSMR)

UNCLASSIFIED

508/70—Shipment of Stores—HMA Ships Deployed in the Far East

1. The object of this order is to acquaint Commanding Officers of HMA ships operating in the Far East of the broad time frames, delays, etc, associated with the urgent airfreight of stores to Asian ports listed in Paragraph 5 below.

2. The following factors are generally applicable in determining time frames, and should be borne in mind when assessing target date:

a. Delays incurred between transmission of signal from the ship until the actual supply action is generated. These will vary according to:
   (1) the time of day and day of the week that the message is dispatched;
   (2) the ships position at the time the signal is sent in relation to local Sydney time;
   (3) the precedence given to the message.

b. Subject to availability (local procurement may be involved) the amount of time involved in consolidating, packing and transporting the stores to the air terminal.

c. Scheduled flight departure times bearing in mind that airlines generally require freight to be delivered to their terminal four (4) hours prior to departure of flight.

d. Actual flight time involved.

e. Delays incurred in clearing stores through customs. These are inherent in many countries customs procedures and vary from country to country, eg, less than one day in the case of Singapore to three to five weeks in Thailand. Additionally, procedures are subject to periodical revisions which can further delay clearances.

3. It can be reasonably anticipated that stores dispatched airfreight from Sydney will arrive at any of the listed ports within three to five days from time of origin of ships messages. However, with the exception of Singapore and Hong Kong, where few or no customs delays are involved, time scales for clearing stores in other Far East ports cannot be defined.

4. In view of the foregoing, Commanding Officers should arrange, wherever possible, to have stores consigned to the ports of Singapore and Honk Kong. On no account will stores be airfreighted to Bangkok in the normal manner. In the event of a specific operational requirement arising for delivery to a ship visiting Thailand arrangements may be made to forward the stores to the Australian Services Attache, Bangkok, in the Department of External Affairs non-safehand diplomatic bag. This method may also be used for dispatch of critical requirements to some other ports providing the package weighs less than 24 lb.

5. The ports involved, including the addresses to which consignments will be dispatched and brief details of likely customs delays, are listed below:

Port	*Address*	*Probable Custom Delay*
BANGKOK ..	c/o Australian Services Attache Australian Embassy BANGKOK	3–5 weeks (*see also* paragraph 4 above)
COLOMBO ..	c/o Australian High Commissioner COLOMBO	Variable

Port	*Address*	*Probable Custom Delay*
DJAKARTA (including SOURABAYA)	c/o Australian Services Attache Australian Embassy DJAKARTA	Variable
HONG KONG ..	c/o Stores Transport Officer (NAVAL) HM Naval Base HONG KONG	Minor—up to one day
KARACHI	c/o Australian High Commissioner KARACHI	Variable
MANILA (including SUBIC)	c/o Australian Services Attache Australian Embassy MANILA	2–3 weeks (for HMA ships attached to US 7th Fleet *see* Paragraph 6 below)
RANGOON ..	c/o Australian Services Attache Australian Embassy RANGOON	Variable
SINGAPORE ..	c/o Superintending Naval Store Officer HM Naval Base SINGAPORE	Minor—up to one day
TAIPEI	c/o Australian Service Attache Australian Embassy TAIPEI	Variable
JAPANESE ..	c/o Australian Services Attache Australian Embassy TOKYO	Minor—(*see also* NOTE below)

Note: Delays may be incurred in shipment of stores from TOKYO to nominated port.

6. Stores being dispatched to HMA ships attached to the US 7th Fleet will be consigned to the Receiving Officer, Naval Supply Depot, Subic Bay, unless otherwise requested by Commanding Officers. Probable custom delay, four to five days.

(187/1/17 DSAP)

UNCLASSIFIED

509/70—Supply of Gamlen Products to HMA Ships

1. The procedure to be observed by HMA ships requiring urgent supply of Gamlen products in ports other than Sydney is detailed in ABR 4, RAN Storekeeping Manual, Article 2820.

2. Despite the provisions of Navy Order 109/69, it has been noted that certain HMA ships have continued to purchase some items of Gamlen products which are not authorised for supply.

3. The attention of all personnel concerned with such purchases is to be drawn to the provisions of ABR 4, Articles 0306 (4), (5) and (6), 2801 (1)(a) and 2820 (1) which in effect provide that purchase under this procedure is restricted to replenishments of those Gamlen products already authorised to be held on board and is not to be applied to obtain supplies of other unauthorised Gamlen products.

(512/80/290 DSAP)

(*Navy Order 109/69*)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

510/70—First Air Training—Issue of Pocket Book (MBR 9165)

1. It has been decided that the St John Ambulance Association First Aid Manual is to be the official First Aid Pocket Book for the RAN.

2. Supplies of the book will be issued to ships and establishments without demand, in accordance with Annex A to this Navy Order.

3. When distribution of First Aid Pocket Books is complete, first aid questions will be included in Section 1 Part 2 tests of promotion boards for all ranks. Details will be included in ABR 27, Volume 2, in due course.

ANNEX A

Distribution of First Aid Pocket Books (MBR 9165)

Establishment	*No*	*Ship*	*No*
LEEUWIN	50	MELBOURNE	40
ENCOUNTER	1	SYDNEY	40
LONSDALE	2	SUPPLY	10
CERBERUS	50	STALWART	10
HUON	1	DDGs	20 each
COONAWARRA	10	Darings	20 each
MELVILLE	10	River Class DEs	20 each
ALBATROSS	50	QUEENBOROUGH ..	20
CRESWELL	10	MORESBY	20
HARMAN	10	PALUMA	3
WATSON	20	DIAMANTINA	10
KUTTABUL	20	KIMBLA	2
KUTTABUL II	1	Submarines	3 each
WATERHEN	5	MCM Vessels	3 each
PENGUIN	20	Patrol Boats	3 each
NIRIMBA	50	BANKS	3
PLATYPUS	10	BASS	2
MORETON	1	JEPARIT	2
TARANGAU	10	ANZAC	20
ANRUK	1		

(465/58/1143 D of T)

UNCLASSIFIED

511/70—Manual of Seamanship—Revised Edition

1. The Manual of Seamanship, 1951 Edition, has been replaced by an updated version.

2. The new manual comprises three bound volumes (I, II and III) and one lose leaf volume (IV):

a. *Volume I 1964 (BR 67 (1)):* The basic book of seamanship for newly entered officers and sailors.

b. *Volume II 1967 (BR 67 (2)):* Contains more technical detail and is a general textbook for sailors seeking advancement and for junior officers.

c. *Volume III 1964 (BR 67 (3)):* Covers the handling of ships and advanced seamanship, mainly intended for officers.

d. *Volume IV 1966 (BR 67 (4)):* Will be updated with information on new or modified equipment and new methods and techniques, and should be consulted as a supplement to the bound volumes which will not be amended.

Distribution

3. a. *RAN Personnel*	*VI*	*VII*	*VIII*	*IX*
All Cadet Midshipmen on Entry	Yes	Yes	Yes	Yes
All SL Seaman Midshipmen on Entry	Yes	Yes	Yes	Yes
All SL Aircrew Officers granted permanent commissions on the General List	Yes	Yes	Yes	Yes
All Seaman Sailors selected for SD Course	—	—	Yes	Yes
All Seamen on passing professionally for Leading Seaman	—	Yes	—	—
All Recruits (Seaman) on Categorisation	Yes	—	—	—
b. *RANR Personnel*				
All Seaman Sailors on promotion to Ordinary Seaman	Yes	—	—	—
All Seamen in passing professionally for Leading Seaman	—	Yes	—	—
All Subordinate Seaman Branch Officers on first appointment	Yes*	Yes	—	—
All Seaman Officers on confirmation as Sub-Lieutenant	—	—	Yes	Yes
Seaman Branch Sub-Lieutenant (SD) on first appointment	—	—	Yes	Yes

* If not already issued

c. *Ships and Establishments*				
Officers Reference Libraries	Yes	Yes	Yes	Yes
For issue on loan	—	†	—	†
HMAS CERBERUS—for Recruit School	—	100	—	—
HMAS LEEUWIN—for JR TE	—	100	—	—

† Scale of 20 per cent of able seamen on complement

d. *RANR Training Establishment*				
HMAS ENCOUNTER	15	12	5	5
HMAS HUON	10	10	5	5
HMAS LEEUWIN	20	15	10	10
HMAS LONSDALE	20	15	10	10
HMAS MORETON	20	15	10	10
HMAS WATSON	20	15	10	10
e. *Navy Office*	19	20	19	17

4. All volumes are available for issue on repayment.

5. Application for copies, free or on repayment, should be made to the Supply Officer.

(465/52/1623 D of T)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 512/70-522/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
2 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Handau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

23989/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

512/70—Commissioning

The following commissioning has been effected:

HMAS HAWK .. .. 18 September 1970
(1211/251/200 AS (NS))

UNCLASSIFIED

513/70—Naval Historical Society

1. The Naval Historical Society of Australia is affiliated with the Royal Historical Society of Australia and the United States Naval Institute.

2. The object of the Society is to research, record and collate the histories of all Navies, but more particularly that of the Royal Australian Navy. The Naval Historical Society of Australia supports and assists the establishment of a National Naval Museum and a National Maritime Museum in Australia. The Society is also pledged to preserve and promote the traditions of the Royal Australian Navy.

3. Membership of the Society is open to all with an interest in Naval History and serving personnel are encouraged to participate in its activities.

4. In addition to maintaining a reference library, other activities of the Society include:

a. Monthly lectures on Naval historical topics.
b. Publication of a monthly bulletin and an annual Naval Historical Review.
c. Field expeditions and excursions.
d. Specialised historical project teams.

5. The annual subscription to the Naval Historical Society is currently $1.00. Life subscriptions, subject to approval by the Societys Management Committee is $10.00.

6. As the Society is providing a valuable service to the Royal Australian Navy, Commanding Officers and Heads of Establishments are encouraged to provide assistance whenever possible to the Society in the pursuit of its objects.

7. Further particulars may be obtained from:

The Honorary Secretary,
The Naval Historical Society of Australia,
HMA Naval Dockyard,
GARDEN ISLAND, NSW 2000. Tel 3579267.

(37/51/445 CNS)

Section 2

PERSONNEL

UNCLASSIFIED

514/70—Charges for Victualling and Accommodation in HMA Ships and Establishments

The following amendments, operative from 1 September 1970, are to be made in manuscript in Annex A to Navy Order 207/70:

Heading of first column:

Delete 'Personal', *insert* 'Personnel'.

Under General Mess—Victualling and against Personnel Categories A (i), A (ii), B (i)(c), B (ii)(b) and B (ii)(c):

Delete $0.96, *insert* $0.98.

(201/58/98 DNA)

(*Navy Order 207/70*)

UNCLASSIFIED

515/70—Vietnam Medal—Award for Service in South Vietnam

1. Her Majesty the Queen has approved the award of a medal in recognition of Service by Australian and New Zealand Forces in repelling aggression in Vietnam since 29 May 1964. This medal is to be known as the Vietnam Medal.

Design

2. The medal is to be of cupro-nickel and circular in shape. It will bear on the obverse side the crowned effigy of the Queen and on the reverse the word 'Vietnam' inscribed above a symbolic representation of the ideological war in Vietnam, depicting the figure of man in the centre of the medal standing between spherical shapes.

3. The ribbon is 1¼ inches wide and is yellow surmounted by three thin red vertical stripes in the centre, flanked by red stripes of a deeper hue, with broad dark blue on the left and broad light blue on the right. The design incorporates the colour of the national flag of South Vietnam and the colours traditionally symbolic of the three Services.

Qualifying Service

4. The qualifying conditions for the award of the Vietnam Medal are common to all three Services, from 29 May 1964 to a date yet to be determined, and are as follows:

a. Service of twenty-eight days, continuous or aggregated in ships or craft employed in operations on inland waters or off the coast of Vietnam.

b. Service of one day or more on the posted strength of a unit or formation on land in Vietnam; or

e. One operational sortie over Vietnam or Vietnamese waters by aircrew on the posted strength of a unit allocated for direct support of operations in Vietnam.

d. Service of thirty days either continuous or aggregated on official visits, inspections or other occurrences of a temporary nature or duty by members of Australian or New Zealand Navies or Armies or Air Forces in Vietnam or in ships or craft engaged in operations off the Vietnamese coast.

5. In order to qualify under condition 4a a member must be on the posted strength of a ship or craft allotted for Special Duty in the Special Areas of Vietnam and/or the waters adjacent thereto—*see* Navy Order 472/68. The crews of Naval vessels which visit Vietnam for the purpose of transporting personnel and equipment are not so allotted but may count actual time spent in harbour in Vietnam as qualifying service under d of the above conditions.

6. The qualifying service as described in Sub-paragraphs 4a and d will be waived where a members service is brought to an end because of death or evacuation owing to wounds or other disability due to service, or the member is awarded a British Honour, Decoration or Medal of the status of the British Empire Medal or above, a Mention in Dispatches or a Queens Commendation for gallantry on a specific occasion during the uncompleted qualifying period.

7. The manufacture and issue of the medal will be undertaken as soon as possible. In the meantime the ribbon will be supplied and is to be worn by eligible members.

8. It is the responsibility of officers and sailors, who carry out service in Vietnam under 4d above as individuals rather than as members of Naval Units, to ensure that Navy Office is advised of such service including times and dates of arrival and departure.

9. A provisional list of HMA ships with the periods of qualifying service towards the Vietnam Medal will be promulgated by Confidential Navy Order. The list will be amended from time to time as additional details of qualifying service are received.

10. Navy Order 499/67 is hereby cancelled.

(38/201/32 HPB)

(*Navy Orders 499/67 and 472/68*)

UNCLASSIFIED

516/70—Vietnamese Campaign Medal Award for Service in South Vietnam

1. Approval has been given for members of the Australian Forces, who comply with the conditions laid down by the Vietnamese Authorities to qualify for the campaign medal issued by the Vietnamese Government for service in the Vietnam war.

2. The medal is a gold and white enamelled star with a green, red and gold centre motif. The medal ribbon to be worn is 1⅜ inches in width, green in colour with three vertical white stripes. The medal will be issued with a Service Ribbon Attachment Clasp for wearing with the medal and a Service Ribbon Attachment Emblem for wearing when the ribbon alone is worn.

3. The Service Ribbon Attachment Emblem is to be fixed on the ribbon by sewing or pinning as appropriate so that it is placed centrally on the ribbon with the straight sides of the scroll parallel to the vertical stripes of the ribbon. Diagrams showing the emblems affixed to the ribbon are shown at Annex A to this order.

4. The approved conditions for the grant of the award of the Medal to Australian servicemen are as follows:

a. Allotment for the special service in Vietnam (as defined by the Repatriation Special Overseas Service Act—*see* Navy Order 472/68) of a minimum of six months duration, either continuous or aggregated, with retrospective effect to 31 July 1962.

b. Allotment for special service in Vietnam of less than six months duration since 1962 if:

(1) killed on active service or wounded in action and evacuated;

(2) captured and later released or escaped.

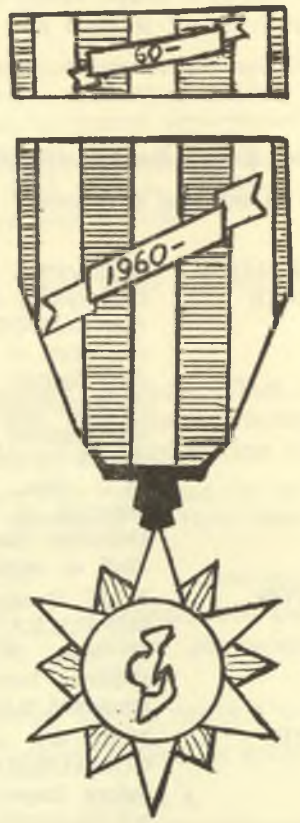
5. No provision such as that provided for in the Vietnam Medal is made for the award to be granted immediately to personnel awarded a decoration for gallantry or bravery in action prior to completion of the minimum qualifying period.

6. Some confusion exists regarding the order of wearing of the United Nations Service Medal and the Vietnamese Campaign Medal. The United Nations Service Medal is neither a British nor a foreign award, but is granted under the authority of the United Nations of which the United Kingdom and other Commonwealth countries are member nations. The United Nations Service Medal is therefore worn immediately after the British Korea Medal or if that medal has not been awarded, in order of date of award in the same way as an official war medal. The Vietnamese Campaign Medal is regarded as a foreign award and, as such, is worn in date order with other foreign awards after all other medals including Long Service and Good Conduct Medals.

7. Navy Order 500/67 is hereby cancelled.

ANNEX A

Positioning the Annual Clusters on the Ribbon of the Vietnamese Campaign Medal



(38/201/31 HPB)

(*Navy Order 500/67*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

517/70—Alteration and Addition Item—HMAS BANKS

The following Alteration and Addition Item is approved to be carried out in HMAS BANKS:

Class List Item No 19 (Ex TDL '3/70').

a. *Item:* '(1) To remove existing 19 gallon lubricating oil storage tank from brackets on Engine room Port bulkhead between frames 16 and 18; and

(2) to replace this item with a cupboard of steel or aluminium construction to be mounted upon the same existing brackets.'

b. Weight compensation for the proposal is not required.

c. *Reference:* NOIC SAs Form AS1182 (TDL '3/70') dated 23 March 1970.

(1236/53/136 DFM)

RESTRICTED

518/70—100 foot Patrol Boats—40/60 Gun Inspection

Navy Order 200/70 is to be amended as follows:

Paragraph 3 *to read:*

a. HMAS TARANGAU .. HMAS MELVILLE .. NOIC/PNG and/or NOIC/NA to signal CSS Sydney info FOCEA info COMAUSMINPABFOR at least one month before inspection is required. Combined SASO/INO Sydney team will be made available for approximately three weeks to carry out the required inspections and during this period the boats are to be brought in one at a time. Inspection of each gun is expected to take about four days. Base Ordnance Staff are to assist SASO/INO Staff as required.

b. HMAS MORETON .. NOIC Queensland to signal CSS Sydney info FOCEA info COMAUSMINPABFOR at least 14 days before inspection is required. Inspection will be carried out by combined SASO/INO Staff.

c. HMAS LEEUWIN .. NOIC/WA to signal NOIC/VIC info COMAUSMINPABFOR at least 14 days before inspection is required. Inspection will be carried out by combined team from Armament Weapon Equipment Depot BYFORD and INO Melbourne. Where possible inspections should coincide with INO/M periodic inspections at BYFORD.

d. HMAS LONSDALE .. Patrol Boats in the Victorian Area are to place requests for inspection on Armament and Weapon Equipment Depot, Maribyrnong. Requests by signal are to be forwarded to NOIC/VIC info COMAUSMINPABFOR.

e. HMAS WATERHEN .. Patrol Boats in the Sydney Area are to place requests for inspection on SASO, Garden Island. SASO will inform INO Sydney when inspection is required. Requests by signal are to be forwarded to CSS Sydney, info FOCEA, info COMAUSMINPABFOR.

(1234/51/112 DNOI)

RESTRICTED

519/70—4.5-inch Twin RP41 Mark 6 Series Mountings—Combined Control and Cut-off Valve Assemblies

1. Navy Order 423/70 provided information regarding the modification of combined Control and Cut-off Valve Assemblies to bring them to 4.5-inch Mark 6* Mod 3 Mounting configuration to improve performance and reliability.

2. Once modified, the Combined Control and Cut-off Valve Assemblies will be compatible with all 4.5-inch Mark 6 series mountings and not only the Mark 6* Mod 3 Mounting, as may have been inferred.

(736/259/72 DAS)

(*Navy Order 423/70*)

UNCLASSIFIED

520/70—Naval Stores (General) Adapter, Flash Gun, Camera, Stock No 6760/66/037/1282 and Meter Photographic Exposure Stock No 6760/66/026/6334 Introduction and Allowances

1. The following items have been introduced for use with Camera, Still Picture, Stock No 6720/66/026/4707 introduced by Navy Order 819/68:

Group/Class	*Catalogue No*	*Description*	*D of Q*	*Acctg Class*
6760	66/037/1282	Adapter, flash gun, camera	No	C
6760	66/026/6334	Meter, photographic exposure	No	P

2. Allowances of these items are listed in Annex A to this order.

3. Supply will be effected, without demand, by SNSO, Sydney.

ANNEX A

Ship/Establishment	*D of Q*	*Adaptor, Flash Gun, Camera Stock No 6760/66/037/1282*	*Meter, Photographic Exposure Stock No 6760/66/026/6334*
CVS, AP, DDG, DD, DE, AGS, AD, AO, MSC, MHC, AGOR (DIAMANTINA)	No	1	1
HMAS TARANGAU	No	1	1
HMAS ALBATROSS	No	1	1
HMAS PENGUIN	No	4*	4*
HMAS CERBERUS	No	1	1
HMAS WATERHEN (CDT 1 and 3)	No	2	2
HMAS LEEUWIN (CDT4 and DT7)	No	2	2
HMAS LONSDALE DT6 ..	No	1	1
HMAS MORETON DT8	No	1	1

* 2 No of each for Diving School.
1 No of each for CDT 2 and DT5.

(519/55/344 DSUS)

UNCLASSIFIED

521/70—Telegraphic Typewriters

Navy Order 101/70 is to be amended as follows:

Annex A *add:*

Minesweepers/Minehunters	1
Patrol Boats	1
PALUMA	1
BASS/BANKS	1
KIMBLA	1

(462/251/11 D of C)

(*Navy Order 101/70*)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

RESTRICTED

522/70—JSP (AS) 101—The Joint Services Staff Manual Volume I—Australian Joint Services Glossary and Abbreviation List

1. JSP (AS) 101, The Joint Services Staff Manual, Volume I—Australian Joint Services Glossary and Abbreviation List has been authorised for Australian Joint Services use.

2. The Glossary is designed to assist in reaching a common understanding of the meaning of terms of interest to the three Services. It includes terms which have been agreed for Australian Joint, or Single Service usage and all those which are incorporated in United Kingdom and United States Joint Services, NATO, SEATO and Air Standards Co-ordinating Committee Glossaries.

3. This publication is complementary to JSP (AS) 102—The Joint Services Staff Manual Volume II—Services Writing.

4. Copies of JSP (AS) 101 will be issued without demand.

(465/1/1510 DFSD)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 523/70-528/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
5 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

23988/70

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

523/70—Care of Hearing and Aural Standards for Naval Personnel

Navy Order 191/70 is to be amended as follows:

Paragraph 6b and c *add:*

(4) Mechanical or 'windy' tools.

(327/251/1 MDG)

(*Navy Order 191/70*)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

524/70—Course No 901448—Re-Title of ORO Course

1. Commencing with the 1970 course, the title of Course No 901448 is to be changed from DL Officers Course to ORO Course.

2. The aim of the course is to produce an officer capable of acting as Operations Room Officer of the Watch. Graduates will have no aircraft control skills.

3. As from 1 December 1970 all officers with the qualification 01448 will be titled 'ORO' instead of 'DL'. The ORO title will be retained until an officer either sub-specialises by long course or is promoted Lieutenant-Commander. Officers holding aircraft control qualifications in addition to 01448 will have those qualifications noted on their personnel record sheets.

4. Course training standards and other details of the course will be included in ABR 27 Volume 1 in due course.

(303/31/45 D of T)

RESTRICTED

525/70—Destroyer Gunnery Officers Course

1. A qualification of Destroyer Gunnery Officer (01381) has been introduced into the RAN.

2. Volunteers from junior non-sub-specialist Lieutenants of the General List and Supplementary List and from Junior Officers of the Special Duties List will be selected to undergo Course 901381 in HMAS CERBERUS. Officers who pass the course will be titled 'DGO'. The DGO title will be retained until an officer either sub-specialises by Long Course or is promoted Lieutenant-Commander

3. The course includes one week at sea and two weeks tactical training in HMAS WATSON.

4. Destroyer Gunnery Officers can normally expect to be posted as Gunnery Officers of River Class destroyer escorts.

5. A successful posting as a DGO will enhance the prospects of selection for the Long Gunnery Course in the United Kingdom for those officers who volunteer.

(303/2/38 D of T)

UNCLASSIFIED

526/70—Training of Supplementary List (Direct Entry) Weapon Electrical Engineer Officers

1. A description of the training course for the initial training of Supplementary List (Direct Entry) Weapon Electrical Engineer Officers is detailed in Annex A. These officers will be categorised as SLEN WEL.

2. Should subsequent transfer to the General List be approved, an officer will be designated GLEN WEL. Cross training to GLEN WE will then be required to the level of Course Training Standards detailed at Annex B. On completion of cross training an officer will be designated GLEN WE.

ANNEX A

Supplementary List (Direct Entry) WEL Officers (Course 901781) Training

Aim

1. To provide short service supplementary list WEL officers with sufficient background to fulfil the tasks of deputy or assistant WEEO in one of HMA ships. The course consists of:

a. 901340 New Entry Officers Indoctrination.

b. 901300X Preliminary NBCD.

c. WEE Familiarisation Section of SL Phase 1 Training.

d. ME Familiarisation Section of SL Phase 1 Training.

e. 964450 Organisation, Administration and Planned Maintenance.

f. PCT as appropriate to his first complement posting.

ANNEX B

Cross Training ENWEL to ENWE (Course 901360) Course Training Standards

Aim

1. a. To provide GLEN WEL officers with an ordnance/weapon background for re-categorisation to ENWE.

b. To provide SLEN WEL officers with an ordnance/weapon background for re-categorisation to ENWE, on transfer to the General List.

Cognitive Skills	*Attainment*
2. a. Comprehend the methods of gun construction employed in guns 40/60, and above, in RAN service	C
b. Comprehend the function and operation of breech mechanisms employed in 40/60 guns, and above, in RAN service	C

ANNEX B—*continued*

Cognitive Skills	*Attainment*
c. Comprehend the range and functions of valves, pipes and seals used in hydraulic applications in RAN weapon equipments ..	C
d. Comprehend the principles of operation of hydraulic machinery fitted in the following equipments—4.5-inch turret, 5-inch/54 gun mount, and Ikara handling equipment	C
e. Know the requirement for hydraulic cleanliness	A
f. Know the types of ammunition, fuzes, warheads and rocket motors in RAN service	C
g. Comprehend the safety arrangements in Ikara, Tartar and Seacat magazines in RAN service	C
h. Comprehend the principles of mechanical construction of the 4.5-inch Mark 6 Mod 3 and 5-inch/54 gun mountings on a comparison basis	C
i. Know the methods of weapon alignment employed in the RAN	B
j. Comprehend the principles of operation of hull outfits in RAN service and directing gear for Sonars 170 and 177	C
k. Comprehend the principles of testing weapon equipments with dummy director and error recorder	B
l. Comprehend the principles of missile aerodynamics, propulsion and structure	C
m. Comprehend the principles of operation of the Tartar and M44/Seacat weapon systems	C
n. Know the principles of operation of the M22 weapon system ..	C
o. Comprehend the principles of operation of the Sonar 177/Ikara weapon system	C

(312/3/139 D of T)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

527/70—Dressing Ship—Policy for HMA Ships

1. The international custom of dressing ship to honour special occasions and anniversaries is one which enables ships to indicate formal participation and to express goodwill.

2. It is intended that RAN ships should continue to take part in such ceremony, even though the design of modern warships may necessitate some changes to the conventional arrangements for dressing overall.

Ships Required to Dress Overall

3. With the exception of ships specifically exempted or designated for modified dress ship arrangements in the following paragraphs, all HMA ships in commission larger than patrol boats are to be capable of dressing overall.

Modified Dress Ship Overall

4. In view of structural difficulties Guided Missile destroyers, new construction River Class destroyers and Hydrographic ships are required to dress with foredown and masthead ensign only. The foredown is to be rigged using the stainless steel wire jackstay and snub-hook method described in Annex A to this order. Future modification plans for ships will take into account whether they will be capable of dressing overall after modification. Where structural conditions dictate these ships will be fitted for modified dress ship only.

Ships Required to Dress with Masthead Ensign Only

5. The following ships are required to dress with masthead ensign only:

HMAS SUPPLY
Submarines
Patrol Boats
Ships temporarily commissioned.

Method of Rigging Dressing Lines

6. The stainless steel wire jackstay and snub-hook method described in Annex A to this order is to become the standard method of rigging dressing lines in the RAN. It will be employed in all new construction dressing lines, and is to be introduced by ships when replacement of existing dressing lines becomes necessary in the normal course.

7. No time limit will be set for the replacement of existing dressing lines, but ships which were not previously required to dress are to be capable of doing so under the terms of this order from 1 March 1971.

Sizes of Flags to be Used

8. Destroyers and larger ships required to dress overall are to use Size 4 flags in their dressing lines.

9. Smaller ships should use flags of the size provided for signalling purposes.

10. All ships are to use 4-Breadth masthead ensigns for dressing ship.

Amendment of Publications

11. RI and RANCO will be amended in due course.

ANNEX A

Dressing Ship—Rigging Procedure

1. 1-inch circumference stainless steel wire jackstays, fitted with a thimble at one end and having a nylon tail attached to the other end, are to be rigged by shackling the thimble end to an eyeplate on the ensign staff/jackstaff. The nylon tail is to be led through one sheave of a double block positioned as high as practicable on the mast, down to and secured at weather deck level.

2. The dress ship flags are to be permanently attached to a 1-inch circumference right-hand lay nylon dressing line, with a spacing of approximately 2 feet 6 inches between flags. A RONSTAN stainless steel snub-hook is to be fitted between each flag. The dressing line is to be fitted with a thimble at one end, for attachment to an eyeplate on the ensign staff/jackstaff.

3. The free end of the dressing line is to be led through the double block on the mast and then down to deck level.

4. The snub-hooks on the dressing lines are to be clipped to the jackstay, with the flags bunched together at the ensign staff/jackstaff.

5. On the order DRESS SHIP, the dressing lines are run away and the flags slide up the jackstay.

6. A similar arrangement, embodying the foregoing principles, is to be fitted where a separate span of dress ship line is required between foremast and mainmast.

7. In RAN Guided Missile destroyers, where a foredown only is to be fitted and the whip aerial on the forward 5-inch/54 mounting precludes the fitting of a centre-line foredown, the arrangement is to be as specified in the preceding paragraphs, except that the attachment to the mast is to be to an eyeplate fitted on the upper yard approximately 10 feet 3 inches from the centreline Port and Starboard. The attachment at the jackstaff is to be to an eyeplate welded to the upper face of the stay support bracket at a height of approximately 100 inches above the deck.

5. RONSTAN stainless steel snub-hooks, RF 533—Naval Stores List 2040, and other necessary materials are to be drawn from Naval Stores.

(12/1/54 D of C)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

528/70—Lifting Appliances and Associated Equipment—Periodic Survey and Testing Requirements

Navy Order 318/69 is to be amended as follows:

Paragraph 7, line 2:

delete 'issue', *insert* 'acceptance'.

(400/201/152 DMED)

(*Navy Order 318/69*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

RESTRICTED

ANOs 529/70-542/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
18 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

24496/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

529/70—ACNB General Messages

1. In accordance with Navy Order 593/68, the state of ACNB General Messages as it 1 October 1970 is as shown in Annex A to this order.

2. Navy Order 365/70 is hereby cancelled.

ANNEX A

1. The following F message may now be withdrawn:

1970

087 *see* Navy Order 393/70.

2. As at 0001Z October the following F messages were in force:

1969

135, 137, 138, 140, 142, 143, 144, 146, 148, 149, 150, 151, 152, 153, 154, 155, 158, 160, 163, 165, 166, 167.

1970

002, 003, 004, 006, 007, 009, 010, 011, 012, 013, 015, 016, 017, 018, 019, 020, 021, 022, 023, 026, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 048, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 062, 063, 064, 065, 066, 068, 071, 072, 073, 074, 075, 076, 078, 079, 080, 081, 082, 083, 084, 085, 086, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130.

(77/1/14 AS (NS))

(*Navy Orders 593/68, 365/70 and 393/70*)

UNCLASSIFIED

530/70—Air Travel Between Eastern States and Western Australia and Vice Versa During December and January—Use of Chartered Aircraft

General

1. For some years past aircraft have been chartered from both internal airlines for the transport of Naval personnel, including Wrans, from the Eastern States to Western Australia and vice versa during the months of December and January, ie, generally for Christmas leave travel.

2. The approved conditions for the Naval use of these chartered aircraft provide that the overall cost is not to be greater than the cost of normal public transport (ie, rail) and that both internal airlines be given an opportunity to quote for the charter flights.

3. In general the Naval Board consider that the WA air charter system during December/January is more convenient than travel by rail and that an overall saving in 'lost' service and instructional time has resulted. Subject to Paragraph 2, it is, therefore, intended that this air charter system continue and the conditions for its future operation are promulgated as follows:

4. The air charter system is to be used for:

a. The return transport of the following to/from WA:

(1) Personnel from Eastern States ships and establishments taking Christmas leave in WA.

(2) HMAS LEEUWIN sailors and junior recruits and personnel from WA based ships taking Christmas leave in the Eastern States.

b. The transport of the following to WA:

(1) January junior recruit intake from Queensland, NSW, Victoria and Tasmania for HMAS LEEUWIN.

(2) January SGCE and Topmen candidates from the Eastern States for HMAS LEEUWIN.

c. The transport of the following from WA:

(1) January Naval Artificer Apprentice intake from WA for HMAS NIRIMBA.

(2) January General Service and WRANS intake from WA for HMAS CERBERUS.

Operating Arrangements

5. Action to seek quotations from both internal airlines will be taken in Navy Office but as the quotations will be on an 'all-up' basis, with no reduction for unused seats, the importance of using all seats in each aircraft must be realised; the cost of any unused seats renders it almost impossible to keep the overall cost of air charter travel below the cost of rail travel and this factor could jeopardise the successful operation of future air charters.

6. In order to prevent disruption to course programmes and reduce inconvenience to personnel travelling to and from WA for Christmas leave the following fixed 'basic' dates for air charter operation are promulgated:

(1) *December*		(2) *January*	
Friday	11 Dec 70	Friday	8 Jan 71
	10 Dec 71		7 Jan 72
	15 Dec 72		12 Jan 73
	14 Dec 73		11 Jan 74
	13 Dec 74		10 Jan 75

The above dates are those on or about which future air charter flights will be arranged. The number of flights will depend on aircraft size and the number of passengers but under present conditions the normal pattern consists of three return flights Sydney/Perth/Sydney and two return flights Melbourne/Perth/Melbourne in December and again in January. It is not expected that all flights would take place on the Fridays shown above but that depending on airline operating conditions a variation of one or two days may be necessary. The above dates are based on a four week leave period commencing at the end of the second week in December. Authorities concerned are to plan annual course programmes which will permit Christmas leave travel to and from WA to be undertaken on or about the above dates with a minimum of inconvenience. So that air charter travel may be used, postings between the Eastern States and WA and vice versa during December and January will be arranged about the above dates when this is possible. One flight ex Sydney and Melbourne will depart two days earlier than the dates in column (2) above to transport the January Junior Recruit intake for HMAS LEEUWIN *see* Paragraph 4b (1) above and return with personnel undergoing instruction in Schools in the Eastern States.

7. The flight plan for each of the chartered aircraft will be for a direct 'two-way' flight by the same aircraft; all flights will originate in the Eastern States and aircraft will depart from either Sydney or Melbourne about 2000, arrive in Perth about 2300, depart from Perth about 0100 and arrive back in Sydney or Melbourne about 0600 on the following day, all times local. The airlines have stated that only by operating the same aircraft to the above flight plan can they keep the charges for chartered aircraft to a minimum thus ensuring that the overall cost is below that for rail travel.

Numbers Requiring Air Charter Travel

8. Detailed arrangements to charter the aircraft will be made between Navy Office and the airlines. In order that this can be done all ships and establishments are to report the initial numbers requiring travel to the Director Movements Division, Navy Office, Melbourne, by 30 September each year in accordance with the specimen form in Annex A. Care is to be taken that personnel serving in attached small craft and outlying stations are not overlooked, and that posting lists and posting forecasts are checked to ensure that the numbers requiring travel from each ship or establishment are as accurate as possible. Nil returns are required.

9. The following should not be included in this return:

a. Entitled personnel who do not intend to visit the Eastern States or WA for leave.

b. Personnel who intend to travel to and from WA by own transport.

10. After the initial numbers requiring travel have been forwarded to DMD any amendments are to be advised to DMD by letter; this procedure is to apply until the number of reserved seats is received from Navy Office (Paragraph 15 below refers). After the number of reserved seats has been received the procedure in Paragraph 16 is to be followed.

11. It must be appreciated that all flights can only take place when adequate loading is available and it is, therefore, most important to ensure that all leave travel to and from WA about the relevant dates (*see* Paragraph 5 above) is by chartered aircraft.

12. Air charter flights will involve leave adjustments; however, as the dates of the charter flights are planned to meet overall Naval requirements these adjustments must be accepted.

13. There is the necessity for the utmost co-operation by the Fleet, Shore Establishments and Training Schools in the operation of the air charter. In particular there should be little need for any WA natives (including the few 'Key' personnel (NPI 228/1 (f)) to travel on dates different from those of the chartered aircraft and they are not normally to be sent on advanced or retarded leave.

14. Arrangements for the personnel in Paragraphs 4b. and c. to travel by chartered aircraft will be made in Navy Office and the number of reserved seats forwarded to the relevant authorities. Local Movements Officers are to ensure that chartered aircraft are used for duty travel to and from WA where possible, names and flight details being signalled to Navy Office and relevant authoritites.

Arrangements for Reservations

15. After receipt of the total numbers travelling referred to in Paragraph 8 above, the aircraft will be chartered and seat reservations made. A flight programme showing the number of reserved seats, name of airline, type of aircraft, flight number and times of travel will be forwarded from Navy Office to each ship and establishment early in November. It should be noted that this notification will be for a 'block reservation' of the numbers reported *see* Paragraph 8 from each ship or establishment, ie, seats will not be reserved by name for each individual requiring travel.

16. Should the number of seats required by ships or establishments subsequently differ from the number allocated *see* Paragraph 15 above Navy Office is to be informed immediately by signal asking for an amendment to the allocation; this signal is to include all the addressees involved and refer to the Navy Office letter advising the number of reserved seats.

Nominal Lists

17. a. *Personnel in Paragraph 4a (1)*. By 1 December nominal lists of personnel travelling in each particular charter aircraft are to be prepared by each ship and establishment for both forward and return journeys and forwarded to the Movements Officer at the departure city, ie, either Sydney, Melbourne or Perth. These lists are to be copied to the Movements Officer at the destination city, HMAS LEEUWIN and DMD and are to contain the following information:
(1) Name.
(2) Rank and personal number.
(3) Address on leave and phone number if available.
(4) Date on which leave expires.

b. *Personnel in Paragraph 4a (2)*. By 1 December nominal lists of personnel travelling in each particular charter aircraft are to be prepared by each ship and establishment for both forward and return journeys and forwarded to the Movements Officer at the departure city, ie, either Perth, Sydney or Melbourne. These lists are to be copied to the Movements Officer at the destination city and DMD.

c. *Personnel in Paragraph 4b (1) and 4c*. Recruiting Officers are responsible that lists of personnel are supplied to the Movements Officer at the departure city.

d. *Personnel in Paragrah 4b (2)*. Names and travel details will be advised when selections are announced from Navy Office.

18. The Movements Officers at the departure city are to provide the relevant Airline with a co-ordinated flight list of the passengers in each flight; these lists are also to be copied to the Movements Officer at the destination city and DMD.

19. Ships and establishments concerned are to exert every effort to ensure that personnel allotted seats in a charter flight travel as arranged; empty seats have to be paid for.

20. All personnel in Paragraph 17a above, ie, personnel from Eastern States ships and establishments taking Christmas leave in WA are to be instructed to report to HMAS LEEUWIN personally by telephone or reply paid telegram, on completion of their leave for further instructions. HMAS LEEUWIN is to render a report at the end of the air charter period showing the disposal of these personnel—whether employed or dispatched on further leave pending a return charter flight to the Eastern States. This report is to be addressed to the sailors ship or establishment and copied to the Secretary, Department of the Navy, Navy Office, Canberra, ACT 2600.

Warrants

21. Leave concession warrants are not required for the actual air charter flights. Ships and establishments concerned may issue leave concession warrants to entitled personnel for travel between their locality and the departure city of the air charter as appropriate and for towns beyond the destination city of the air charter. Arrangements for this travel are to be made with relevant Movements Officers in accordance with normal procedures.

Baggage

22. Each passenger will be allowed free baggage of one bag linear measurement not to exceed 56 inches, eg, 28 inches × 18 inches × 10 inches.

Ground Transport

23. Arrangements for ground transport to and from airports will not be made by the airlines.

Reporting Time

24. Personnel are to be at the appropriate airport one hour prior to aircraft departure.

Dress

25. All sailors and Wrans travelling on charter aircraft to and from WA are to wear uniform.

Refreshments

26. A substantial supper will be served on all West-bound flights and breakfast on East-bound flights.

Escorts

27. a. For Junior Recruits, HMAS LEEUWIN is to detail an officer to travel in each plane transporting Junior Recruits.

b. Others. The Senior Officer or sailor travelling in each charter plane is to be detailed by the relevant Movements Officer to take charge.

Administrative Arrangements

28. The Flag Officer Commanding, EAST AUSTRALIA AREA, the Naval Officer Commanding, WEST AUSTRALIA AREA, and the Naval Officer-in-Charge, VICTORIA, are responsible that arrangements are made for personnel to be dispatched by the charter aircraft in accordance with the above instructions and for the dispersal of personnel after travel by charter aircraft. The Movements Officers at Sydney, Melbourne and Perth, are to be present at the airport during the loading and unloading of the aircraft and adequate staff are to be provided.

Movements Officer, Perth

29. It should be noted that the term 'Movements Officer Perth' means the Western Command Detachment, 1 Movement Control Group, Swan Barracks, Perth, WA, Signal Address 'Army Movements Perth' (RI 1761 refers).

30. Navy Order 229/69 is hereby cancelled.

SPECIMEN

ANNEX A

WA Air Charter Travel Requirements—HMAS ANZAC

The following personnel should not be included in this return:

a. Personnel who do not intend to visit WA or the Eastern States for leave.

b. Personnel who intend to travel to and from WA by own transport.

Line	*Officers*	*CPO's*	*Sailors Other Than CPO's*	*WRANS*	*Forward Journey*			*Return Journey*		*Leave Expires on Board*		*Remarks*
					From	*To*	*Date*	*From*	*To*	*Date*	*Place*	
	(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)*	*(g)*	*(h)*	*(j)*	*(k)*	*(l)*	*(m)*
1	2	3	6	—	Sydney	Perth	11 Dec	Perth	Sydney	11 Jan 71	Sydney	—
2	—	1	4	—	Sydney	Perth	11 Dec	Perth	Sydney	5 Jan 71	Sydney	—
3	—	—	3	—	Sydney	Perth	11 Dec	Perth	Melbourne	5 Jan 71	Mel-bourne	For HMAS CERBERUS
4	—	—	2	—	Sydney	Perth	11 Dec	—	—	11 Jan 71	Perth	For HMAS LEEUWIN

Note 1: Amendments to numbers requiring travel (quoting column and line number) are to be notified in accordance with Navy Order 530/70, Paragraph 10.

Note 2: For WA based personnel the forward journey is from Perth to Sydney or Melbourne and the return journey is from Sydney or Melbourne to Perth.

.....

Captain

The Director
Movements Division
Navy Office
MELBOURNE VIC 3004

(187/51/255 DMD)

(*Navy Orders 229/69 and 530/70*)

UNCLASSIFIED

531/70—RAN School of Underwater Medicine Functions and Courses of Instruction

Navy Order 245/69 is to be amended as follows:

Paragraph 1. *Add* 'All research is controlled and co-ordinated by the Scientific Policy Committee, advised by the Medical Director-General.'

(1246/51/384 MDG)

(*Navy Order 245/69*)

Section 2
PERSONNEL

UNCLASSIFIED

532/70—Officers—Zones for Promotion With the Royal Australian Navy

1. The system of zonal promotion in the RAN was adopted from the Royal Navy. Under this system it is planned that promotions can be spread over as wide a field as possible, whilst ensuring equality of opportunity for successive years. In the Royal Navy officers in the rank of Lieutenant-Commander and Commander enter zones at certain seniorities, which are periodically varied to meet changing requirements, and leave the zones (then becoming 'over zone') at higher seniorities. Whilst there is an avenue for over zone promotion in exceptional cases promotions are generally made only from officers in the zones.

2. In the RAN, due to differing circumstances, upper zonal limits similar to the Royal Navy would be too restrictive. All officers will, therefore, enter zones at the minimum seniorities specified in this Navy Order and will remain eligible for promotion until reaching the retiring age for rank, as laid down in RI Article 0344, but not during extended service *see* Paragraph 2 of that Article. However as it is likely that the majority of promotions will be made from those officers whose seniority is within the previous zonal limits the former upper limits of zones are shown in parentheses where applicable.

Reports

3. Occasions and dates for half-yearly reports are specified in RI Article 1052. It should be noted, however, that reports on Lieutenant-Commanders of the Special Duties List, in the zone for promotion to Commander, are to be rendered by 15 May and 15 November, ie, with the General List reports. RI will be amended.

Zones

4. The zones for promotion for the half-yearly selections of RAN officers are shown below:

a. *Promotion to Rear-Admiral*

(1) There are no fixed zones for promotion of Captains to Rear-Admiral and it its expected that normal periodical reporting will provide the data required to enable selections to be made. Promotions are not normally made below nine years seniority. Special reports will be called for if required.

b. *General and Supplementary List Officers (EX, EN, SU)*

(1) To Captain—four years seniority as Commander to age 50.

(2) To Commander—three years seniority as Lieutenant-Commander to age 45.

(Former upper limits of zones were—to Captain EX eight years EN, SU, 12 years. To Commander eight years.)

c. *Instructor Branch*

(1) To Instructor Captain—eight years seniority as Instructor Commander to age 52.

(2) To Instructor Commander—four years seniority as Instructor Lieutenant-Commander to age 48. (Former upper limit of zone 10 years.)

d. *Medical Branch*

(1) To Surgeon Captain—five years seniority as Surgeon Commander to age 55.

(2) To Surgeon Commander—six years seniority as Surgeon Lieutenant-Commander to age 48.

e. *Dental Branch*

(1) To Surgeon Captain (D)—six years seniority as Surgeon Commander (D) to age 55.

(2) To Surgeon Commander (D)—six years seniority as Surgeon Lieutenant-Commander (D) to age 48.

f. *Naval Ordnance Inspection Branch*

Selections for promotion to Commander and Captain will be made as vacancies occur and zones are not set. Special reports will be called for if required.

g. *Special Duties List Officers (All Branches)*

(1) To Commander—three years seniority as Lieutenant-Commander to age 55 years (formerly 54 years).

(2) To Lieutenant-Commander—nine years seniority as Lieutenant to age 55 years except that officers with seniorities listed below will enter/have entered the promotion zone on the dates indicated:

Officers of seniority 1.10.64—five years seniority.
26.12.63-26.1.64—six years seniority
26.2.64-26.4.64—seven years seniority
26.5.64-26.6.64—eight years seniority
(former upper zone limit was 52½ years).

(3) To Lieutenant—promotions are made after two years service, subject to recommendation. For officers not promoted at that time recommendations are to be forwarded with those of Lieutenants (SD) for Lieutenant-Commander (SD). *See also* RI 1042 (6).

h. *Naval Dockyard Police*

(1) To Chief Inspector—all officers of Inspector rank are eligible for consideration for promotion.

(2) To Inspector—as for promotion to Lieutenant (SD). *See* g (3). Eighteen months reports are required under the conditions of RI 1042 (6).

j. *WRANS*

(1) To Superintendent—selection will be made as a vacancy occurs and a zone is not set. Special reports will be called for if required.

(2) To Chief Officer—minimum age of 30 years and three years seniority as First Officer.

(3) To First Officer—minimum age of 27 years and four years seniority as Second Officer.

(4) To Second Officer—minimum age of 23 years and two years seniority as Third Officer.

k. *Royal Australian Naval Nursing Service*

(1) To Matron—selection will be made as a vacancy occurs and a zone is not set. Special reports will be called for if required.

(2) To Superintending Sister—three years seniority as Senior Sister.

(3) To Senior Sister—four years seniority as Sister.

5. Except in the cases of SD officers selected for promotion to Lieutenant-Commander and Inspectors NDP selected for Chief Inspectors, promotions are made on a six-monthly forecast basis. Reports are therefore to be made on all officers six months junior to the zones as they would apply to the next promotion announcement date. However, promotions can be made without observing the forecast period and reports are therefore required also on officers who will reach the retiring age for rank in the six months period following the announcement date.

6. Navy Orders 81/67 and 170/68 are hereby cancelled.

(316/4/21 DAPO)

(*Navy Orders 81/67 and 170/68*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

533/70—Alteration and Addition Item—100-foot Patrol Boats

The following Alteration and Addition Item is approved to be carried out in 100-foot Patrol Boats as Class List:

Item No 10 (Ex TDL 'C').

a. *Item:* 'To modify the Arma Brown Gyro Compass System in accordance with Navy Office Drawing 1121/58 to provide:

(1) An Emergency Power Supply.

(2) A Power Supply Failure Alarm.'

b. No weight compensation would be required. The addition of approximately 60 lb in the engine room would increase stability.

c. *Reference:* HMAS WATERHENs Form TM168 (AS1182) dated 21 February 1969 forwarded under cover of FOCAF Memorandum dated 25 March 1969.

(1234/51/198 DFM)

RESTRICTED

534/70—Alteration and Addition Item—Fleet Ships

Navy Order 472/70 is to be amended as follows:

Under the heading 'Ship' 'Minesweepers Coastal and Minehunters Coastal' should be *inserted in lieu* of 'Ton Class Minesweepers/Minehunters'.

In Paragraph b TCMS should be *deleted* and MSC/MHC *inserted in lieu.*

(1211/251/79 DFM)

(*Navy Order 472/70*)

UNCLASSIFIED

535/70—Alteration and Addition Item—HMAS OXLEY

The following Alteration and Addition Item is approved to be carried out in HMAS OXLEY:

Class List Item No 28 (Ex TDL 'NOK').

a. *Item:* 'To reposition HMAS OXLEYs Control Room D, O, R and Q Tank Contents Gauges from above the OMC position to adjacent the auxiliary blowing panel.

To reposition Contents Gauges Hull Gland JB, above the TGCU 1 frames 59/60, to a more accessible position.

To reposition Sonar Starboard Transducer 185 Hull Gland JB, starboard side behind the main run carrier plate frames 58/59, to a more accessible position.

To reposition Hull Gland JB, Starboard side behind the Sonar 197 frames 58/59, to a more accessible position.'

b. Additional weight is negligible.

c. *Reference:* Form TM168 (AS2022) Serial No HMAS OXLEY LA 3/68 dated 5 October 1968.

(1218/59/25 DFM)

UNCLASSIFIED

536/70—Alteration and Addition Item—River Class Destroyers

The following Alteration and Addition Item is approved to be carried out in River Class Destroyers:

a. *Item:* 'To fit a 2-inch bore three-way cock in the make-up/reject line from each turbo generator, between the turbo generator controller and the main feed tank, with discharge to bilge to allow continued operation of either turbo generator when its condensate is contaminated.'

b. The estimated weight increase is 60 lb per ship.

c. *Reference:* Navy Order 590/69.

(1224/51/395 DFM)

(*Navy Order 590/69*)

UNCLASSIFIED

537/70—Bathythermograph Observations

Introduction

1. The provisions of Navy Order 399/70 are to be read in conjunction with the following order.

2. The fitting of Expendable Bathythermograph Systems in ships of the Fleet will provide information concerning water temperature with depth in a clear, concise format that can be used for tactical purposes at the time the observation is being recorded. As well as this immediate use, observations are essential to a number of departments concerned with studies embracing the thermodynamics of the oceans. The dual purposes for which BT observations are made requires careful and correct handling of equipment and the safe preservation of records.

Expendable Bathythermographs (XBT)

3. This system is a great improvement on the mechanical system used hitherto, but is not tamper proof. The recorder has a completely automatic programme which is initiated by inserting a probe and closing the breech of the probe launching device. This procedure completes a circuit between the probe and the recorder, locking the servo in the centre scale position and driving the chart for a few seconds. The chart drive then stops. It starts again when the probe is released and enters the water, completing a seawater trigger circuit to begin the measurement cycle. After 90 seconds the temperature/depth profile has been recorded and the chart drive stops, indicating completion of the cycle. The launcher is then ready for reloading. On no account must the breech of the launcher be opened and closed indiscriminately. Such action throws the cycle out of phase and necessitates the rcorder being re-set. This cannot be done automatically and so much time is wasted and effort expended.

4. It is imperative that each trace on the recorder roll has a corresponding entry in the BT Log (NODC-EXP-3167/10A (Rev 7-68)). Particulars must be entered in the log without fail, at the same time as the recorder roll is marked. Positions are required in degrees and minutes of Latitude and Longitude. Times are to be in GMT—to the nearest minute—at the moment the probe is released.

Mechanical BTs

5. Mechanical bathythermographs will remain in use to a very limited extent for research purposes. These instruments must not be roughly handled and must be kept in a shaded position when not actually in use. Before being stowed away they should be carefully cleaned and oiled in accordance with the BT Manual. Gold coated slides must be handled by the edges only and the utmost care taken to avoid damage to either surface or the glass itself. Immediately after making an observation they should be rinsed carefully in fresh water. Preferably they should be delivered by hand to the Hydrographic Office—AODC, but should circumstances necessitate dispatch through the mail, careful packing is required.

(161/201/24 Hydrographer)

(*Navy Order 399/70*)

RESTRICTED

538/70—Electric Cables—Use in HMA Ships and Establishments

1. The policy for the use of electric cables has been reviewed and shall be as stated herein for all future applications.

2. Silicone rubber insulated cables have exceptional heat resistant properties and an enhanced operational capability after fire damage. There are no flexible silicone rubber insulated cables.

3. Butyl rubber and CSP insulated cables, referred to throughout this order as butyl rubber insulated cables, are capable of withstanding oxidation and ageing enabling them to operate up to 85° C. In addition they are unaffected by sea water. There are flexible butyl rubber insulated cables.

4. Silicone rubber insulated cables require crimped terminations, hence their use is restricted to those equipments which have been designed for or can readily be modified for crimped terminations. Butyl rubber insulated cables are suitable for both crimped and soldered terminations.

5. Silicone and butyl rubber insulated cables are generally interchangeable in respect to current rating and physical dimensions and both are sheathed with chlorosulphonated polyethylene (CSP).

6. In all classes of existing ships it is essential to save weight whenever possible. To assist in this direction the greatest possible use must be made of CSP sheathed electric cables in preference to lead sheathed types. When lead cased cable is considered essential to make good defects in HMA ships, details should be reported by air mail letter to the appropriate dockyard as soon as the requirement is known.

7. It will be necessary to continue the use of lead sheathing for cables entering the type of watertight equipment where plumbing of the gland to the cable sheath is required. Although existing drawings or instructions may specify lead sheathed cables for other than the foregoing service, equivalent pattern cables in accordance with Paragraph 9 must be used as far as practicable.

8. Because of their higher cost, however, silicone rubber insulated cables are to be restricted in use to the following services:

a. All cables in or routed through areas subject to ambient temperatures in excess of 50° C, such as machinery spaces, boiler rooms, galleys, laundries and the like.

b. Permanently run emergency cables.

c. Degaussing cables.

d. Miniature silicone rubber insulated cables for all data transmission circuits.

e. All power cables for services essential to float and move the ship, whether or not such cables are routed through areas subject to high temperatures. These services include:

(1) All generator cables, including control cables.

(2) Power required for salvage and control of damage.

(3) Steering motors and associated control system.

(4) Ventilation and lighting to machinery compartments.

(5) Cables between the switchboards and Electrical Distribution Centres. In ships without EDCs, between the switchboards and first power panel for essential services.

9. Subject to age limitations as stated in Paragraph 11, the future policy for the use of the various types of cables shall be as follows:

a. **Ships built to Naval Standards**

(1) *Ships built before HMAS PARRAMATTA*

Existing stocks of rubber and varnished cambric insulated cables to be used up. Until these stocks are exhausted, butyl rubber insulated cable will be supplied only when it is stated on the demand that the use of such cable is essential for the service concerned. Thereafter the equivalent butyl rubber insulated cables to be used throughout, except for boiler room and engine room lighting circuits, where silicone rubber insulated cables are to be used, and circuits where special cables are specified (eg, DEF10 and Uniradio Series).

(2) *Ships built from HMAS PARRAMATTA onwards*

Existing stocks of rubber and varnished cambric insulated cables to be used up. Until these stocks are exhausted, butyl and silicone rubber insulated cables will be supplied only when it is stated on the demand that the use of such cable is essential for the service concerned. Thereafter the equivalent butyl and silicone insulated cables, as defined in Paragraph 8 above, are to be used throughout except where special cables are specified (eg, by DEF10 and Uniradio Series).

(3) *New Construction*

Butyl and silicone rubber insulated cables, as defined in Paragraph 8 above, are to be used throughout except where special cables are specified (eg, DEF10 and Uniradio Series).

(4) *Submarines*

Butyl rubber insulated cables are to be used throughout except where special cables are specified (eg, DEF10 and Uniradio Series and solid filled rubber insulated).

b. **Ships not built to Naval Standards**

This includes Patrol Boats and Support Craft. Butyl rubber insulated cables are to be used throughout except where special cables are specified (eg, DEF10 and Uniradio Series).

c. **Shore Establishments**

For the wiring of ship-type equipments in shore establishments, existing stocks of PCP (neoprene) sheathed cables shall be used provided that these cables meet the requirements of Paragraph 11 below. Thereafter cables are to be either butyl rubber insulated cables or special cables (eg, DEF10 and Uniradio Series).

10. The attention of all concerned is drawn to the necessity for using existing stocks of rubber and varnished cambric insulated cables. It is essential that the requirements of Paragraph 9a (1) and (2) and 9c are carried out. Until these existing stocks are exhausted the Superintending Store Officer is not to issue butyl or silicone rubber insulated cables for such services unless it is stated on the demand note that the use of such cable is essential for the service concerned. At the same time it is also the responsibility of Dockyard Officers and/or Overseers in charge of projects to ensure that the lowest rated cable age/type is demanded consistent with the end use of the cable.

11. In order to reduce to a minimum the possibility of failure of all types of cables in service and, at the same time, enable existing stocks to be expended wherever possible, the following policy is to be used to determine the permissible age of cables which may be installed in HMA ships and establishments:

a. The following cables have an expected life of 30 years hence such cables may be used for any installation provided that the age of the cable is consistent with the life (20 years) or half life expectancy of the ship, whichever is relevant. (For cable over 10 years of age an insulation resistance of not less than 75 per cent of that specified will be acceptable.):

(1) Silicone rubber insulated CSP Sheathed Cable.

(2) Butyl rubber insulated CSP Sheathed Cables.

(3) CSP Insulated CSP Sheathed Cables.

(4) DEF10 and Uniradio Series Cables.

(5) Mineral insulated, copper sheathed cables provided that the condition of the copper sheath is satisfactory.

(6) Paper insulated cables will be permitted for refits and conversions provided the insulation resistance is not less than 75 per cent of that specified and that examination of insulant and protective covering shows these to be in satisfactory condition.

b. For all other silicone rubber/neoprene sheathed cables, rubber or varnished cambric insulated type cables the following requirement shall be met:

(1) *New Construction and New Shore Installations*
Cable to be no more than five years old when the ship or installation is scheduled for completion.

(2) *Large Refits and Conversions*
Cable to be no more than five years old when ship has expected life of about 10 years or more.

(3) *Normal Refits and Defects.* As for 11b (2) except for:

(a) Local wiring for which cable up to eight years of age may be used.

(b) Unimportant services for which cable over 10 years of age may be used provided the insulation resistance is not less than 75 per cent of that specified and that examination of insulant and sheath shows these to be in satisfactory condition. This policy is based on an estimated service life of 15 years for these types of cables.

12. It has been decided that where the weight saved by the replacement of lead alloy sheathed cables in HMA ships is in excess of 200 lb, the figure is to be reported to Navy Office through the appropriate authorities.

13. To ensure the most economical use of cable in stock, Dockyard Officers and Overseers are to endorse the demand notes with the maximum age cable acceptable, when demanding cables from Naval Stores.

(519/273/15 DNEP)

UNCLASSIFIED

539/70—Naval Stores (General)—Group Class 3439 Eutectic Welding Kits and Eutectic Eutalloy Kits

1. Eutectic Welding Kits were introduced into service in HMA ships and establishments in accordance with Navy Order 174/68 and Navy Order 57/69. As a result of changes in Catalogue data, it has been discovered that some items were unobtainable and a revision of the composition of the kits was desirable.

2. The revised kits are detailed in Annex A and the allowances at Annex B.

3. Demands to complete to the revised list of items in the kit are to be placed on Superintending Naval Store Officer, Sydney.

4. Navy Orders 174/68 and 57/69 are hereby cancelled.

ANNEX A

Defence Stock No	*Description*	*Size*	*DQ*	*QTY*
3439–66–019–6339	Solder, aluminium-tin alloy, ALUTIN 51, 2 lb spool	$\frac{1}{8}''$	LB	2
3439–66–021–5576	Brazing alloy, silver, 18″, EUTECSIL 1020FC	$\frac{3}{32}''$	LB	1
3439–66–021–5562	Brazing alloy, aluminium, 18″, EUTECROD 21	$\frac{1}{8}''$	LB	5
3439–66–018–0643	Solder, silver alloy, 2 lb spool, EUTECROD 157	$\frac{1}{8}''$	LB	2
3439–66–018–0647	Brazing alloy, aluminium, 18″, EUTECROD 190	$\frac{1}{8}''$	LB	2
3439–66–018–0646	Solder, zinc alloy, 18″, EUTECROD 196 ..	$\frac{1}{8}''$	LB	5
3439–66–021–5571	Brazing alloy, aluminium, 18″, EUTECROD 1902	$\frac{1}{8}''$	LB	2
3439–66–025–9257	Rod, welding, 18″, EUTECBOR 9 ..	$\frac{3}{16}''$	LB	2
3439–66–021–5583	Brazing alloy, copper, 16″, EUTECROD 185FC	$\frac{1}{8}''$	LB	2
3439–66–021–5574	Brazing alloy, copper, 16″, EUTECROD 185FC	$\frac{3}{16}''$	LB	5
3439–66–021–5577	Flux, brazing, EUTECTOR 21	10 oz	JR	5
3439–66–021–5578	Flux, soldering, EUTECTOR 157 ..	4 oz	JR	1
3439–66–019–6343	Flux, brazing, EUTECTOR 190	9 oz	JR	1
3439–66–021–5579	Flux, soldering, EUTECTOR 196 ..	8 oz	JR	1
3439–66–021–5580	Flux, brazing, EUTECTOR 1902 ..	9 oz	JR	1
3439–66–025–9258	Flux, welding, EUTECTOR 9	8 oz	JR	1
3439–66–025–9259	Flux, soldering, EUTECTOR 51	6 oz	JR	1
3439–66–027–4133	Solder, paste, EUTECTINWELD 1 ..	2 lb	JR	1
3439–66–027–4129	Electrode, cutting, solid, 14″, CHAMFER-TRODE	$\frac{3}{32}''$	LB	1
3439–66–027–4130	Electrode, welding, 14″, EUTECTROD 680	$\frac{5}{32}''$	LB	2
3439–66–027–4132	Solder, paste, EUTECTINWELD 111 ..	2 lb	JR	1
3439–66–027–4128	Brazing, alloy, copper, 18″, EUTECROD 18FC	$\frac{1}{8}''$	LB	1

ANNEX A—*continued*

Defence Stock No	*Description*	*Size*	*DQ*	*QTY*
3439–66–026–2732	Brazing alloy, cast iron, 18″, EUTECROD 14FC	⅛″	LB	1
3439–66–026–2733	Brazing alloy, copper, 18″, EUTECROD 146FC	⅛″	LB	2
3439–66–024–4131	Solder, paste, STAINTIN 157 PA ..	20 oz	JR	1
3439–66–030–4296	Brazing alloy, copper, 16″, EUTECROD 185	⅛″	LB	½
3439–66–030–4298	Flux, welding, AUTOCHEMIC E100 ..	8 oz	JR	1
3439–66–021–5559	Flux, welding, AUTOCHEMIC, E200 ..	8 oz	JR	1
3439–66–030–4299	Cleaner set, welding and cutting tips, 645700	—	NO	1
3439–66–030–6100	Case, carrying, welding kit, 645270 ..	—	NO	1
3433–66–021–5553	Torch, welding, EUTALLOY BM ..	—	NO	1
3439–00–904–0814	Welding powder, metallic overlay; in modules, BOROTEC 10009	—	GM	550
3439–66–021–5554	Welding powder, metallic overlay; in modules, TUNGTEC 10112	—	GM	550
3439–66–021–5556	Welding powder, metallic overlay; in modules, CUPROTEC 10180	—	GM	550
3439–00–998–2193	Welding powder, metallic overlay; in modules, BRONZOCHROM 10185	—	GM	550
3439–66–030–4297	Welding powder, metallic overlay; in modules, NITEC 10224	—	GM	550

ANNEX B

Allowances of Eutectic Welding Kits

Ship/Establishment	*Allowance*	*Remarks*
CV	2 No Kits	1 No for Air purposes
AP, AO	1 No Kit	—
AD	4 No Kits	1 No for Ship 3 No for maintenance of ship in SM periods
DDG, DD, DE, AGS	1 No Kit	—
PLATYPUS	2 No Kits	For maintenance of attached craft
TARANGAU	1 No Kit	For maintenance of attached craft
WATERHEN	1 No Kit	For maintenance of attached craft

ANNEX B—*continued*

Ship/Establishment	*Allowance*	*Remarks*
NIRIMBA	1 No Kit	For instructional purposes
ALBATROSS	1 No Kit	For Air Workshops
CERBERUS	1 No Kit	For instructional purposes
KUTTABUL	1 No Kit	For Fleet Maintenance Party for emergency use of ships
RAN Air Workshops Randwick ..	1 No Kit	—
PENGUIN	1 No Kit	For use in the maintenance of diving equipment

(401/1/73 DSAP)

(*Navy Orders 174/68 and 57/69*)

UNCLASSIFIED

540/70—Naval Stores—Group Class 0243—Fire Extinguisher Equipment—Standardisation of Fire Extinguishers in HMA Ships and Commissioned Establishments

Navy Order 400/70 is to be amended as follows:

Paragraph 1, line 7:

amend 0243/12720 *to read* 0243/127270.

(505/87/22 DSUS)

(*Navy Order 400/70*)

UNCLASSIFIED

541/70—Uniform—WRAN Sick Berth Attendants—Nurses Caps

1. The scale of personal loan clothing for WRAN Sick Berth Attendants has been amended by the substitution of 4 No nurses caps for 4 yards organdie cloth.

2. Nurses caps will be identified by the following catalogue number and nomenclature—61113 Cap, Nurses Aid.

3. Requirements are to be demanded from the Superintending Victualling Store Officer, Royal Edward Victualling Yard, Sydney. The price to be charged for losses is $1.10 each.

4. Stocks of catalogue 10428 cloth, cotton, organdie, 42-inch, are to be returned to Royal Edward Victualling Yard.

5. ABR 93, Manual of Victualling Stores, Part I, Appendix 36, Paragraph 8, and Part II, Scale 6, will be amended.

(930/51/216 D of V)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

542/70—Custody Kits—Forms SA239

1. The procedure for the recording of and stocktaking of items recorded on 'Custody Lists' is to be varied as detailed in the following paragraphs. ABR 4 will be amended as follows:

2. 'Article 1203 (1). *Custody Lists.* Where the user of any item recorded on Forms SA208-5 (AD787H) in the List of Equipment, etc, is not the Accounting Officer, such items are to be issued into the custody of the user. All items on custody charge are to be recorded as follows:

a. The record for the Accounting Officer—In the remarks column of the List of Equipment (*See* Paragraph (2)).

b. The record for the user officer or sailor—On custody list, one copy only (*See* Article 1204).

(2) Items are to be issued on Form SX125/SX126 (AS549) and the remarks column of the List of Equipment, etc. Annotated "Custody List" No..... SX125 (SX126) No.....dated.....'

3. Article 1605 (e) Line 3, after (*See also* Article 1845).....*Insert* .....

'For List of Equipment Items and items on Custody Lists the "Range of items mustered" column on Form SS102 is to be divided to indicate:

(i) The actual range of items mustered by the Store Accounting Officer.

(ii) The Custody List items mustered by the custodian during the quarter.'

4. ABR 4 will be amended in due course.

(400/62/1933 DSAP)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 543/70-554/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
24 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

24536/70

CONTENTS

Section 2

PERSONNEL

UNCLASSIFIED

543/70—RAN Central Canteens Fund Report for Year Ended 31 July 1970

1. Financial statements covering the operations of the RAN Central Canteens Fund for the year ended 31 July 1970 are attached to this order for general information.

2. The Central Canteen Fund derives its income from a levy of 3⅓ per cent on all sales in all Service System Canteens, and from interest received from the investment of funds.

3. The fund was established within the authority provided by Navy (Canteens) Regulations under the Naval Defence Act. The Naval Board controls the activities of all Service Systems Canteens and imposes a levy on sales. The Central Canteens Board is responsible to the Naval Board for administration of the Central Canteens Fund.

4. The fund exists for the purposes of providing for the welfare and entertainment of Naval personnel. In particular its resources are devoted towards:

a. the provisions of amenities which will benefit Naval personnel generally, and which it would be inappropriate for an individual ship or establishment to provide;

b. assistance in providing desirable amenities for the benefit of individual ships and establishments which cannot be provided in full from their own resources;

c. contributing the Navy Share to funds for the benefit of Service or ex-Service personnel generally.

5. The RAN Central Canteens Committee, which includes representatives from areas and commands, is responsible for making recommendations to the Central Canteens Board in connection with major items of expenditure.

6. The major commitments of the fund are:

a. An annual grant of 1 per cent of total canteen sales to the RAN Relief Trust Fund. The majority of money in this fund is lent as interest free housing and furniture loans to members of the RAN. The grant for this year was $31,849 and a further grant of $5,853 is to be made.

b. A subsidy to Navy News which amounted to $4,849 this year.

c. An annual transfer of funds to the Long Range Projects reserve of $20,000. The Long Range Reserve Fund now stands at $190,000 which has been established to finance:

(1) Acquisition and setting up a holiday centre at Lake Burrill, NSW.

(2) Assist in improving the accommodation in RAN House, Sydney.

d. Financing the Family Services Scheme which this year cost $6,626.

e. Meeting the freight costs on recreational films which this year cost $5,627.

7. The RAN Central Canteens Board has decided not to proceed with the project of providing facilities in the Randwick sporting complex. The Board has been discouraged from building on Crown Land due to problems which could arise at future dates concerning compensation.

8. Grants made during the year totalled $53,979 and are listed on the attached statement.

9. The total amount on loan to Canteens, etc, at 31 July 1970 was $158,100, a decrease of $9,225 for the year.

10. The sum of $19,511, which represents approximately two months levies on sales in Service System Canteens, was donated by ships and establishments to the USS FRANK E. EVANS Fund.

11. During the year canteen sales rose from $3,699,540 to $3,770,200 and it is estimated that profits transferred to ships funds during the year exceeded $142,000.

12. This order will be reprinted for posting on notice boards.

ANNEX A

RAN CENTRAL CANTEEN FUND

Balance Sheet as at 31 July 1970

1969 $		$	$
	Accumulated Funds—		
283,813	Balance at 1 August 1969	300,738.36	
58,175	*Add* Surplus for year	53,965.37	
341,988		354,703.73	
	Less Transfer to—		
40,000	Long Range Project Reserve	20,000.00	
1,250	Canteen Insurance Reserve	1,250.00	
300,738			333,453.73
	Reserves—		
170,000	Long Range Project	190,000.00	
2,500	Canteen Insurance	3,750.00	
473,238			193,750.00
			527,203.73
	Represented By—		
	Current Assets—		
9,008	Cash at Bank—General Account	34,133.88	
642	—Rec. Film A/c	507.56	
1,289	—Family Services A/c ..	1,101.95	
235,000	—Fixed Deposits	250,000.00	
245,939			285,743.39
167,325	Loans to Canteens		158,100.00
—	Sundry Debtor Prime Ministers Department (Insurance of Films HMY Britannia) ..		31.50
413,264			
	Fixed Assets—		
—	Office Equipment (at cost)	165.00	
49	*Less* Provision for Depreciation	148.50	
			16.50

ANNEX A—*continued*

$		$
	Investments—	
59,925	Commonwealth Bonds (at cost)	84,925.00
473,238		528,816.49
	Less Current Liabilities—	
—	HMAS Vampire—Canteen funds held awaiting recommissioning of ship	1,612.76
473,238		527,203.73

ANNEX B

RAN CENTRAL CANTEEN FUND

REVENUE ACCOUNT

For Year Ended 31 July 1970

1969 $		$	$
	Revenue—		
123,318	Levy on sales in Service System Canteens including Chief Petty Officers' and Petty Officers' Canteens		108,224.95
10,559	Interest		14,290.22
464	Capital Gain on Investment		—
134,341			122,515.17
	Expenditure—		
33	Depreciation on Office Equipment ..	33.00	
70,313	Grants as per schedule	53,979.38	
970	Stationery	1,149.05	
—	Newspapers to Ships overseas	1,003.79	
3,848	Recreational Film Account Expenditure ..	5,627.98	
865	Family Services Scheme Expenditure ..	6,626.60	
130	Audit Fees	130.00	
7	Sundry Expenses	—	
76,166			68,549.80
58,175	*Surplus Transferred to Accumulated Funds* ..		53,965.37

We certify that we have audited the books and accounts of the RAN Central Canteen Fund for the year ended 31 July 1970, and in our opinion the Revenue Account correctly sets forth the transactions for the period under review and the Balance Sheet is properly drawn up and is in accordance with the books. We have received all the information and explanations that we have required.

GOODE & TONER
Chartered Accountants,
340 Little Collins Street,
Melbourne.

Melbourne 23 September 1970.

ANNEX C

RAN CENTRAL CANTEEN FUND

Schedule of Grants Made during the Year Ended 31 July 1970

	$	$
Welfare—		
Vietnam Amenities	897.38	
White Ensign Club, Melbourne	1,200.00	
HMAS LONSDALE Ship's Fund	1,114.75	
RAN Relief Trust Fund	31,849.30	
HMAS JEPARIT Amenities	400.00	
HMAS PENGUIN Ship's Fund	525.30	
East Hills Naval Citizens Association	723.00	
HMAS LEEUWIN CPO and PO Mess	2,000.00	
Naval Memorial House Hobart	600.00	
Navy News	4,849.04	
HMAS NIRIMBA (Snapper Island)	200.00	
Royal Sailors' Rest (Singapore)	500.00	
HMAS CRESWELL Canteen	2,000.00	
HMAS ENCOUNTER Ship's Fund	30.50	
Naval Memorial Club Queensland	1,000.00	
		47,889.27
Sport—		
HMAS CERBERUS (Inter-Service Sports)	2,000.00	
HMAS MELVILLE (Inter-Service Sports)	500.00	
HMAS NIRIMBA (Inter-Service Sports)	316.53	
HMAS ENCOUNTER (Inter-Service Sports)	30.80	
Combined Services Rugby	100.00	
RAN Communications Detachment (Singapore)	30.75	
		2,978.08
Entertainment—		
HMAS OTWAY (Film Subsidy)	735.08	
HMAS ASSAIL (Film Subsidy)	205.61	
HMAS KIMBLA (Film Subsidy)	480.00	
HMAS ATTACK (Film Subsidy)	325.46	
HMAS OXLEY (Film Subsidy)	343.33	
HMAS ADVANCE (Film Subsidy)	218.39	
HMAS PALUMA (Film Subsidy)	232.24	
HMAS LONSDALE Junior Sailors Club	75.11	
HMAS LONSDALE CPO and PO Mess	214.83	
HMAS LEEUWIN CPO and PO Mess	218.50	
HMAS WATSON CPO and PO Mess	60.00	
HMAS PLATYPUS CPO and PO Mess	23.04	
HMAS PLATYPUS Junior Sailors Club	20.00	
HMAS STALWART	27.36	
HMAS CERBERUS (Cinema Rental)	2.00	
		3,180.95
		54,048.30

ANNEX C—*continued*

	$	$
Less Grants Returned—		
Services Womens Committee	50.00	
East Hills Community Centre	18.92	
		68.92
		53,979.38

ANNEX D

RAN CENTRAL CANTEEN FUND

Schedule of Loans Outstanding 31 July 1970

	$
HMAS MORESBY	200.00
HMAS PENGUIN PO's Canteen	750.00
HMAS OVENS Canteen	1,000.00
HMAS CURLEW Canteen	50.00
HMAS ATTACK Canteen	67.00
HMAS ADVANCE Canteen	70.00
HMAS ASSAIL Canteen	133.34
HMAS BANDOLIER	183.34
HMAS BARBETTE	50.00
HMAS BARRACADE	183.34
HMAS BAYONET	133.36
HMAS BOMBARD	134.86
HMAS BUCCANEER	150.02
HMAS WATERHEN CPO and PO's Mess	434.00
HMAS WATERHEN Canteen	2,287.00
HMAS NIRIMBA Ships Fund	5,595.00
RAN House Sydney	9,000.00
White Ensign Club, Melbourne	5,000.00
HMAS HARMAN CPO and PO's	301.00
HMAS PLATYPUS	330.00
HMAS CRESWELL CPO and PO's	125.00
ASCO	100,000.00
HMAS PLATYPUS CPO and POs	1,010.00
RAN Ski Club	8,262.84
HMAS MELVILLE Ship's Fund	3,600.00
GREENWICH HOUSE Canteen	200.00
HMAS ONSLOW Canteen	1,000.00
RAN Gliding Association	1,500.00
HMAS SWAN Ship's Fund	916.67
HMAS SWAN Canteen	4,583.33
HMAS TORRENS Canteen	4,000.00
HMAS LEEUWIN CPO and PO's Mess	6,850.00
	158,100.10

UNCLASSIFIED

544/70—SGCE Social Studies—Introduction

1. It has been approved to increase the range of subjects in the Services General Certificate of Education Examination by the addition of the subject SOCIAL STUDIES.

2. The related course of study is designed to give the student an understanding of the structure of government in Australia. Comparisons are made with governments in UK, USA and USSR, and Australias international relations are discussed. In addition, studies are made of the cultural and socio-economic backgrounds of China, Japan, and a number of South East Asian countries.

3. The initial examination will be held in April 1971.

4. All essential study material is contained in the Social Studies Study Guide, copies of which may be demanded for nominated students from the Director of Naval Education Service.

(325/1/156 DNES)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

545/70—Issue of Driver Training Manual

1. The official text book of the Commonwealth for motor transport drivers is the Driver Training Manual. It has been decided to obtain copies of this publication for use in the Royal Australian Navy.

2. Copies of the Driver Training Manual will be issued without demand to establishments in accordance with Annex A to this order.

3. In addition to the distribution shown in Annex A, personal copies are to be issued to:

a. each sailor and WRAN holding qualification 02310;
b. each sailor holding qualification 02301 without 02310;
c. each sailor and WRAN who subsequently receives qualification 02310.

Ships and establishments are to demand copies for personal issues from the Royal Edward Victualling Yard.

ANNEX A

Distribution for Driver Training Manual

HMAS ALBATROSS	7	(6 for MTD School)
HMAS TARANGAU	2	(1 for hospital)
HMAS MELVILLE	1	
HMAS COONAWARRA	2	
HMAS MORETON	2	
HMAS PENGUIN	5	(4 for hospital)
HMAS PLATYPUS	2	
HMAS WATERHEN	2	
HMAS NIRIMBA	2	

HMAS KUTTABUL	2	
HMAS WATSON	2	
HMAS CRESWELL	2	
HMAS HARMAN	2	
HMAS CERBERUS	5	(4 for hospital)
HMAS LONSDALE	1	
HMAS HUON	1	
HMAS ENCOUNTER	1	
HMAS LEEUWIN	3	
Navy Office (D of T)	1	

(177/1/60 D of T)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

546/70—Alteration and Addition Item—General Fleet Fitting

Navy Order 490/70 is to be amended as follows:

Class List Item No for River Class Destroyers *should read* 403.

(1211/51/721 (CNTS))

(*Navy Order 490/70*)

UNCLASSIFIED

547/70—Alteration and Addition Item—RAN Oberon Class Submarines

The following Alteration and Addition Item is approved to be carried out in RAN Oberon Class Submarines:

Class List Item No 25 (Ex TDL 'NLC').

a. *Item:* 'To modify the type "D" Distilling Plant in accordance with statement of Modification Requirement reference B13/M15/15 issue 1 dated March 1967 and Amendment No 1 dated October 1967.'

b. No weight compensation will be required.

(1218/51/717 CNTS)

UNCLASSIFIED

548/70—Alteration and Addition Item—Ton Class Minesweepers/Minehunters

The following Alteration and Addition Item is approved to be carried out in Ton Class Minesweepers/Minehunters:

Class List Item No 25 (Ex TDL 'M').

a. *Item:* 'Electric toaster Catalogue No 7310-66-034-0123 type to be fitted in the Cafeteria of all Ton Class Minesweepers/Minehunters.'

b. Weight compensation of 30 lb at No 2 deck level or above is required.

c. *Reference:* 16th Mine Sweeping Squadrons Form AS1182 TDL 'M' dated 27 October 1964 forwarded under cover of FOCAF Memorandum dated 10 November 1969.

(1227/51/171 CNTS)

UNCLASSIFIED

549/70—Ammunition—Pyrotechnics—Marker Manoverboard Smoke and Light Series 2—Introduction

(DCI (RN) 755/70)

1. *Authorities Concerned* HMA ships, ammunition replenishment ships, shore establishments and RAN depots.

2. *Purpose of Instruction* To notify all concerned that Marker Manoverboard Smoke and Light, Series 2 is being shortly introduced into service and has been allocated the following store reference number:

401067—Marker Manoverboard Smoke and Light Series 2

401080—Bracket Mounting (for Marker Manoverboard Series 2).

3. *Information* .. The Marker Manoverboard Smoke and Light Series 2, is similar in appearance to the Marker Manoverboard Smoke and Light Mark N3 except for the following:

a. The centre column is constructed of aluminium.

b. Separate ignition systems have been incorporated for the lights and smoke.

c. The lights are operated by water-activated batteries under each light in the float. The batteries remain sealed until the plastic lanyard is pulled when the marker is launched.

d. The smoke is activated mechanically by two uncocked strikers which actuate the igniters. These are operated when the weakened alloy T shaped cap nut breaks off on impact with the stop at the base of the mounting bracket when the lifebuoy is launched.

e. When launched orange smoke will be emitted for at least 15 minutes and the two electric lights will operate for at least 1½ hours.

f. The marker is classified Group 9 for stowage in HMA ships and Group 11 ashore.

g. The marker has been allocated a life of five years from the date of filling and will be packed two per Box N18.

4. *Mounting Instructions* a. The Mounting Bracket for the Series 2 Marker is of formed mild steel with spring holding clips at the top and bottom.

4. Mounting Instructions—*continued*

b. The marker is mounted in the bracket in the reverse position to previous markers with the lights facing downwards.

c. The bracket should be positioned outboard so that the marker will have a clear straight drop into the sea.

d. Before mounting the marker, remove the spacer bar from the bottom of the bracket by undoing the nut and bolt.

To fit the marker into the bracket, hold the marker horizontally placing the T shaped cap nut between the ring lugs on the bracket. Turn the marker slowly into a position opposite the spring clips, easing the spring clips away from the marker with one hand so that the T shaped cap nut is contained between the ring lugs.

Fit the spacer bar above the T shaped cap nut and bolt firmly into place. Push the marker home between the spring clips. Connect the marker from the ring provided to the lifebuoy by a 12-foot length of terylene line with a breaking strain of 250 lb, Naval Catalogue No 0472/2222. A lifebuoy weighing at least 9 lb must be used.

5. *Allowances* .. a.

Ships	*Outfit*	*Annual Practice Allowance*
HMAS MELBOURNE ..	3	—
HMAS SYDNEY ..	3	—
Replenishment Fleet Tanker HMAS SUPPLY ..	4	—
Destroyer Tender HMAS STALWART	4	—
Guided Missile Destroyers Destroyers and Escort Ships Frigates	4	—
Patrol Boats	1	—
Support Craft (as required)	1	—
Minesweepers .. .. Minehunters .. .. Survey Ships	2	—

b. Due to the relatively high cost of the markers they should not normally be used for exercise purposes, Markers Smoke and Flame N1 being used in lieu.

c. The Series 2 Marker Manoverboard when it becomes available will gradually replace the Mark N3 Marker Manoverboard as stocks are exhausted.

5. Allowances—*continued*

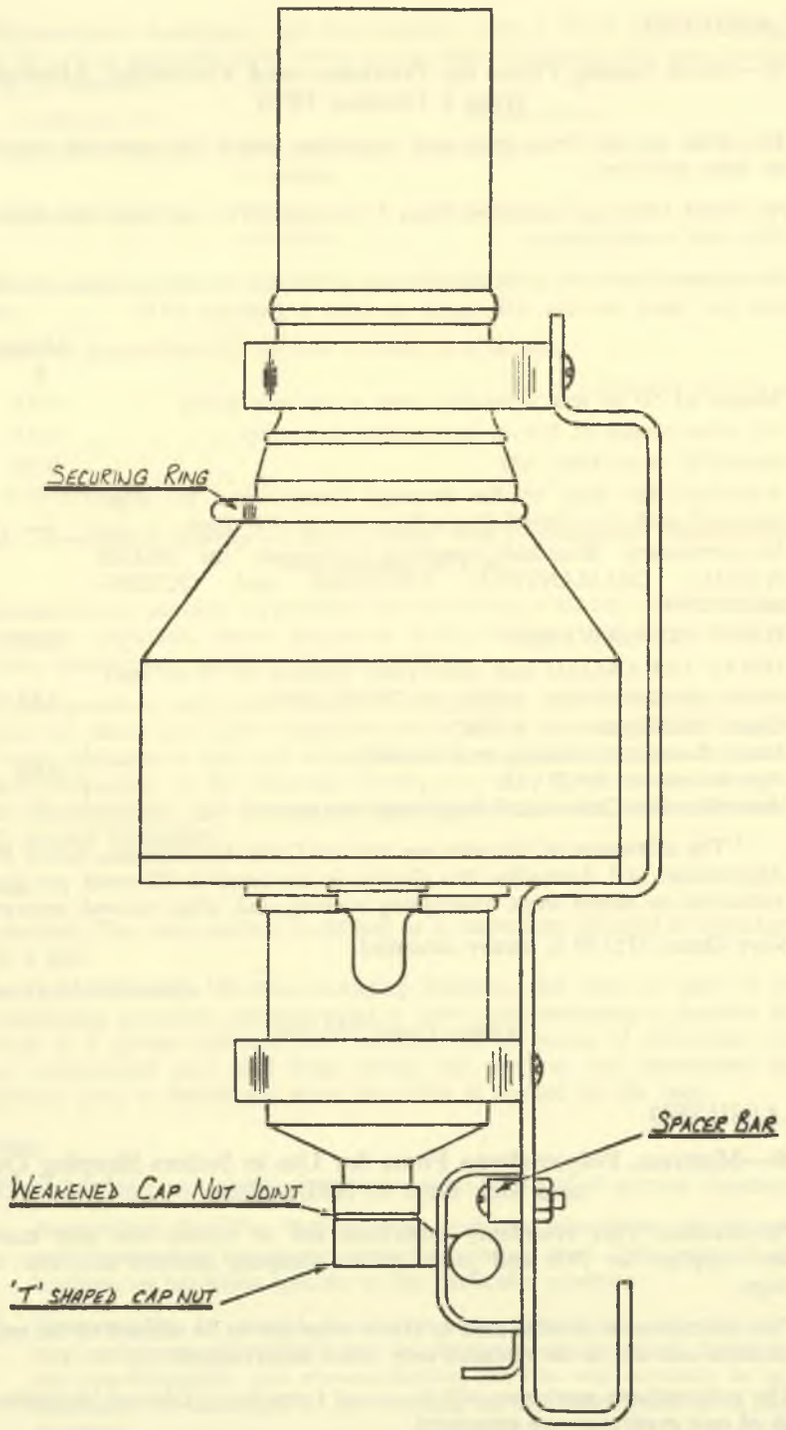
d. Ships when demanding Marker Manoverboard Series 2 are to ensure that the ship is fitted with the correct bracket mounting. If the correct brackets are not already fitted, brackets should be drawn from the RAN armament depot quoting store reference No 401080 and fitted by the ships staff.

e. Ships not included in the above allowances, but at present having an allowance of Markers Manoverboard Mark N3 will be supplied with the Marker Manoverboard Coastal Type which will be introduced into service later.

6. *Precautions to be taken*

a. Care is to be taken when handling, mounting and removing the Series 2 Marker from the Bracket mounting not to put any undue strain on the T shaped cap nut, also to avoid any pull being applied to the plastic cord, as this may break the seal to the batteries and render the lights unserviceable.

b. The Series 2 Marker cannot be fitted into the existing bracket for the Mark N3 Marker nor can the Mark N3 Marker be fitted into the Series 2 Marker bracket.



(728/51/86 DAS)

UNCLASSIFIED

550/70—Fixed Issuing Prices for Provisions and Victualling Allowances as from 1 October 1970

1. The price list for fresh fruit and vegetables which has operated since 1 July 1970 has been amended.

2. A revised price list, operative from 1 October 1970 has been distributed to all HMA ships and establishments.

3. Consequent upon the revision of those prices the following rates of victualling allowances per head per day will apply as from 1 October 1970:

	Ashore $	*Afloat* $
Messes of 50 or less victualled from a separate galley ..	0.83	0.85
All other messes of 300 or less messed separately	0.81	0.83
Messes of more than 300	0.79	0.81
Additional for ships of the Strategic Reserve and for ships deployed with the United States Navy in the Far East ..	—	0.04
Supplementary 'Broadside' messing allowance for HMAS ANZAC, DIAMANTINA, DUCHESS and QUEENBOROUGH	—	0.01
HMAS COONAWARRA	0.85	—
HMAS TARANGAU and small craft (messes of 50 or less) under the operational control of NOIC PNG	0.87	—
Cadet Midshipmen at RANC .. .. / Junior Recruits at training establishments .. .. .. / Apprentices at RANATE .. .. / Australian Sea Cadets attending camps and courses	0.90	*

* The allowance of 90 cents per day for Cadet Midshipmen, Junior Recruits, Apprentices and Australian Sea Cadets, is increased to 92 cents per day when victualled on board ships undergoing training and when messed separately.

4. Navy Order 375/70 is hereby cancelled.

(903/51/163 D of V)

(*Navy Order 375/70*)

UNCLASSIFIED

551/70—Mattress, Polyurethane Foam for Use in Sailors Sleeping Quarters and Sick Bays in HMA Ships

1. Polyurethane (fire retardant) mattresses are to replace the coir mattressess at present supplied for POs and junior sailors sleeping quarters and sick bays in HMA ships.

2. Coir mattresses at present held in HMA ships are to be utilised to the maximum extent possible and are to be replaced only when unserviceable.

3. The polyurethane mattresses will be issued from Royal Edward Victualling Yard as stocks of coir mattresses are exhausted.

4. Polyurethane mattresses will be supplied with a fixed cotton ticking cover enclosed in a fixed washable PVC cover, in two sizes, Standard and Long Length crews bed berth, as follows:

Catalogue No	*Nomenclature*
7210-66-037-1490	Mattress, bed, polyurethane, 72 inches × 24 inches × 4 inches
7210-66-037-1491	Mattress, bed, polyurethane, 75 inches × 24 inches × 4 inches

5. When necessary the outer PVC cover should be cleaned with warm water and detergent.

6. ABR 4, Appendices 23, 24 and 25 will be amended.

(514/51/113 D of V)

UNCLASSIFIED

552/70—Naval Stores—Class/Group 0442—Aerosol Dispensers—Precautions in Use

1. An increasing number of products are becoming available in aerosol dispensers. These include lubricants, water displacing fluids, cleaning and degreasing solvents, stencil inks, insecticides, lacquers, engine starters.

2. These products vary considerably in composition and characteristics depending on the end use. Some are highly flammable while others may contain toxic ingredients, or may cause irritation to eyes and skin. While it is not possible to give detailed instructions and precautions to be observed during the use of each one, all have some common characteristics and the precautions listed below are to be observed when using all aerosol dispensers.

Definitions

3. *Aerosol.* The term aerosol is defined as a suspension of solid or liquid particles in a gas.

Aerosol Dispenser. In the packaging industry, this term is used to define a dispensing container, incorporating a valve and containing a product which is kept at a greater pressure than atmospheric by means of propellant (liquified or compressed gas) and from which the product, and sometimes the propellant also, is discharged when the valve is opened by the user.

Precautions

4. The following precautions are to be observed in use of all aerosol dispensers:

a. *Instructions For Use.* Before using read the instructions on the container and ensure that the correct material is being used. Take note of any precautions or warnings specific to the particular product.

b. *Flammability.* In general, do not use near naked flames, hot elements, or on any equipment where there may be danger of electric shock. Some materials are non-flammable and non-conductive, but this will normally be noted on the label. In the event of no warning on the label, treat as a flammable material.

c. *Toxicity.* Avoid contact with the skin and eyes. Do not breathe in or swallow vapours. When used in confined areas, face and respiratory protection must be used. In the event of contact with skin or eyes causing irritation, or inhalation or swallowing of vapours causing any discomfort, medical advice must be sought immediately. Some materials may be cumulative in their toxic effects, so that short term exposure should be considered as dangerous.

d. *Storage.* The following precautions are to be observed in the storage of aerosol containers:

(1) Store in accordance with the regulations governing flammable materials.

(2) Only the minimum number of dispensers necessary for the work in hand should be held as 'ready use'.

(3) Aerosol dispensers must not be exposed to temperatures above 120° F at any time.

e. *Disposal.* Do not puncture or incinerate even when empty, as residual pressure may remain and an explosion may occur.

(400/1/849 (DNS)

UNCLASSIFIED

553/70—Planned Maintenance, Dockyard Component, Progress Chart (Surface Ships)

1. Form TM186, Dockyard Planned Maintenance Progress Chart (Fig 1) is intended as a permanent and authoritative record of the Dockyard component of Planned Maintenance.

2. The Progress Charts, bound in Form TM185 covers, are to be subdivided into sections in accordance with the departmental subdivision in which the planned maintenance system is utilised. The ships copy is to be known as the Master Copy.

3. Ships are to develop a programme according to their refit cycle, forward the programme section of the charts to their Administrative Authority for copying (if no shipboard or other local means is readily available) and distribute as in Paragraph 4c of Annex A. If programmes are sent to the Administrative Authority for copying, arrangements will be made by the Administrative Authorities for distribution.

Deferment or Omission of Routines

4. Routines, particularly mandatory items indicated by a black star, are to be deferred or omitted with concurrence of the ships Administrative Authority or Navy Office in conformity with current regulations. Generally deferment of routines will be discussed at the pre-refit conference and should any disagreement exist between the ship and Refit Authority, on the priority to be given to routines, the ships Administrative Authority is to arbitrate. At the same time, should deferment be recommended, consideration should be given as to whether part of the work could be undertaken by the ship and/or Fleet Maintenance Party, eg, 25 per cent of underwater valves.

5. Navy Order 685/69 is hereby cancelled.

ANNEX A

Instructions for Compiling and Using the Progress Chart

1. The Planned Maintenance Section of the Director of Fleet Maintenance, Navy Office, will prepare and issue to ships, Administrative and Refit Authorities (without demand) covers and charts completed with information under the headings of Schedule/Card No, Frequency and Equipment/Routine.

2. a. On receipt, Progress Charts are to be completed by the ship by transcribing in black ink (as shown in Fig 1 to this Navy Order) the following information:

(1) The respective years, relating back to the beginning of the last major refit, across the top of each sheet.

(2) Thick vertical lines against each equipment to indicate when each routine is due in the current refit cycle. For the purpose of this subparagraph, the word refit is to include Intermediate Docking and Mid Cycle Survey, however only those items specifically laid down to be carried out in these periods are normally to be undertaken.

(3) When the Progress Charts have been completed, action in accordance with Paragraph 3 of the order and Paragraph 4c of Annex A is to be taken.

b. *Ships Master and Working Copy*

(1) As soon as firm dates for the next and subsequent refits are made known, the refit start, and finish dates (in black pencil for easy erasure) are to be marked against the refit date heading on the charts. Vertical pencil lines representing the start and finish of the refit are to be marked on the chart. Routines due at any refit are those scheduled before, during or slightly after the refit period.

3. The ships working copy of the Progress Chart is to be forwarded with the Main Defect List to the Refitting Authority for advance information in planning the refit and also on other occasions of refit if the amount of time available in Dockyard hands shows this action to be appropriate.

4. a. On completion of the Main Refit the Master Copy of the Progress Chart is to be updated by the ship, in collaboration with the Refitting Authority, as follows and as shown in Fig 1:

(1) Completion of a routine by over printing a C on the appropriate vertical line.

(2) Partly completed routines by a figure representing percentage completed.

(3) Wholly or partly approved deferred routines of an arrowed line extending from the planned routine date line to the approved deferment date line.

(4) Approved omitted routines by the letter X over the appropriate vertical line.

(5) Routines partly or fully completed before the scheduled date by an arrowed line to the actual date with an appropriate C or percentage.

b. The ship is then to reprogramme on new charts the routines falling due up to the completion of the next main refit. It will not be necessary to fill in the schedule information on charts prepared for programme amendment, but care should be taken that ship name and sheet numbers are included on the top RH corner of charts before being copied (*see* Fig 1).

c. Single copies of the programme for the next refit cycle together with a report of routines (TM194) which were not carried out in the previous refit cycle are to be forwarded as follows:

(1) Director of Fleet Maintenance, Navy Office.

(2) Ships Administrative Authority.

(3) Refitting Authority.

(4) One master and one working copy to be retained by the ship.

Copies of the programme are to be attached to the schedule section of the chart as indicated in Fig 1.

d. Additional copies of the schedule particulars may be obtained on application to the Director of Fleet Maintenance, Navy Office.

Defects—Carrying out of Planned Maintenance Routines in Conjunction

5. a. When defects are made good or equipment is planned to be refitted or otherwise worked upon the associated Dockyard Planned Maintenance routines are to be undertaken concurrently together with any items of ships planned maintenance due.

b. When routines as in Paragraph 5a are carried out, the Ships Master and Duplicate Copy Progress Charts are to be updated by the ship by making the relevant notations as indicated in Paragraph 4a and reported to the Refitting Authority, Administrative Authority and Director of Fleet Maintenance, Navy Office, on Form TM194, deleting 'not' in Section 1 of the form and omitting the details required in Section 2.

Dockyard Planned Maintenance Routines Undertaken Other Than at the Scheduled Date

6. When Dockyard Planned Maintenance Routines are carried out other than at their scheduled date by a refitting authority, the procedure as outlined in Paragraph 5b is to be followed.

Definitions

7. Deferred items of Planned Maintenance are those which are deferred but are completed before the next occasion the item would normally become due. Omitted items are those which are approved not to be carried out until the item next becomes due.

TM186 (1969) FIG. 1 (ANO /70) (EXAMPLE ONLY) Programme section only to be copied after amendment H.M.A.S. SWAN REVISION NO. 1

H.M.A.S. SWAN NAVY OFFICE ISSUE No./DATE 1 MARCH 1970 SECTION MECHANICAL REFIT DATE 5th APRIL – 22th AUGUST, 1971 SHEET No. M.1

DOCKYARD PLANNED MAINTENANCE PROGRESS CHART

DO NOT PROGRAME IN THIS SPACE – TO BE USED FOR ATTACHING AMENDMENTS

Schedule/ Card No.	Frequency	EQUIPMENT/ROUTINE (ABRIDGED)		1970	1971	1972	1973	1974	1975	1976	1977	1978
ER1/ 6001	36M	MAIN ENGINE STBD.	Examine turbines, nozzle valves, plates, relief valves, etc.									
ER1/ 6002	36M	MAIN ENGINE PORT	As above			ROUTINE DUE						
ER2/ 6003	36M	MAIN GEARING STBD.	Examine gearing and turning gear									
ER2/ 6004	36M	MAIN GEARING PORT	Examine gearing and turning gear			ROUTINE COMPLETED						
ER3/ 6005	36M	MAIN THRUST BLOCK STBD.	Detailed examination									
ER3/ 6006	36M	MAIN THRUST BLOCK PORT	Detailed examination			ROUTINE DEFERRED						
ER4/ 6007	36M	PLUMMER BLOCKS STBD	Detailed examination									
ER4/ 6008	36M	PLUMMER BLOCKS PORT	Detailed examination			ROUTINE OMITTED						
ER5/ 6009	36M	SPHERICAL BULKHEAD GLANDS STBD.	Strip and examine									
ER5/ 6010	36M	SPHERICAL BULKHEAD GLANDS PORT.	Strip and examine		30%	70% ROUTINE DEFERRED						
ER7/ 6013	36M	REV. COUNTER AND INDICATOR	Refit See WE Schedule									
ER8/ 6014	36M	MAIN CONDENSER STBD.	Refit condenser relief valve									
ER8/ 6015	36M	MAIN CONDENSER PORT.	Refit condenser relief valve									
ER10/ 6018	36M	FORCED LUB. SYSTEM	Examine drain tanks, pressure test heater, test thermometers.									
ER11/ 6019	36M	STEAM SYSTEMS	Sonic test piping, examine flange bolts, pipe hangers, valves, gauges, etc.									
ER12/ 6020	36M	EXHAUST SYSTEMS	Examine and refit valves etc.									
ER14/ 6022	36M	FEED SYSTEM	Examine and refit tank valves									
ER2/ 6003	72M	MAIN GEARING STBD.	Detailed examination main gearing bearings									
ER2/ 6004	72M	MAIN GEARING PORT.	Detailed examination main gearing bearings		60%	40% ROUTINE OMITTED						
ER5/ 6009	72M	SPHERICAL BULKHEAD GLANDS STBD.	Strip and examine gauge.									
ER5/ 6010	72M	SPHERICAL BULKHEAD GLANDS PORT.	Strip and gauge.			ROUTINE COMPLETED AHEAD OF SCHEDULE						
						REFIT PERIOD						

(Navy Order 685/69) (1209/51/34 DFM) TM186

UNCLASSIFIED

554/70—Stores (General)—Demands for Stores on EDP—Revised Procedure

1. Navy Order 362/70 is to be amended as follows:

Paragraph 7—*Delete* existing paragraph and *insert* in lieu:

'The existing facilities to change Long Term Dues Out to Short Term Dues Out by input of either:

a. Dues Amendment Or Cancellation (Form SX34—DAC); or

b. Total Dues Cancellation Or Type Change Request (Form SD18—DCTC);

are still available (ABR 5063 Ch 5 App 17 and 20 respectively, refer). Input of these forms will have the effect of producing an Issue Voucher at the next computer run, provided the stock situation permits.

Paragraph 8—*Amend* the Form number shown in the second line for the CLOR to read 'SX31'.

Paragraph 9—*Add* new sentence:

'Where stores are required for delivery in remote localities by a nominated freightship/voyage No, such details are to be shown in the "Remarks" panel of the Stores Demand (Forms SX13 and SX15) and the "Date Required" block left blank.'

2. ABR 4, ABR 93 and ABR 5063 will be amended.

(400/1/1416 DSUA)

(*Navy Order 362/70*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 555/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
24 November 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

24696/70

Section 2

PERSONNEL

UNCLASSIFIED

555/70—Pay, Rent Norm and Table of Normal Living Expenses for Purpose of Payment of Temporary Rental and Temporary Accommodation Allowance

1. A table showing the pay, rent norm and normal living expenses used in the assessment of claims for payment of Temporary Rental and Temporary Accommodation Allowance is shown in Annex A attached to this Navy Order.

2. These rates are applicable from 11 September 1970.

3. Navy Order 246/70 is hereby cancelled.

24696/70—2

ANNEX A

Pay, Rent and Normal Living Expenses for Temporary Rental Allowances and Temporary Accommodation Allowances with Effect from 11 September 1970

Rank	*Pay Plus Allowances (MA $1.15, SA 70c, UA 28c, TOTAL = $2.13)*		*Rent Norms for TAA and TRA (15% of Pay and Allowances)*	*Normal Living Expenses*				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
Rear-Admiral	42.38	15,469.00	44.52	35.35	40.30	44.10	47.90	51.70
Commodore and Senior Captain	35.72	13,038.00	37.52	35.35	40.30	44.10	47.90	51.70
Midshipman	7.62	2,781.30	7.98	17.05	19.30	21.30	23.30	25.30
Midshipman (SL) less 6 months	7.62	2,781.30	7.98	17.05	19.30	21.30	23.30	25.30
Midshipman (SL) 6 months ..	8.30	3,029.50	7.98	18.15	20.70	22.90	25.10	27.30
Acting Sub-Lieutenant ..	10.57	3,858.05	11.13	20.35	23.50	26.10	28.70	31.30
Sub-Lieutenant O/P.. ..	11.83	4,317.95	12.39	21.60	24.90	27.60	30.30	33.00
0/1 year	12.19	4,449.35	12.39	22.85	26.30	29.10	31.90	34.70
0/2 years	12.55	4,580.75	12.39	22.85	26.30	29.10	31.90	34.70
0/3 years	12.92	4,715.80	12.39	22.85	26.30	29.10	31.90	34.70
0/4 years	13.34	4,869.10	12.39	24.10	27.70	30.60	33.50	36.40

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
Lieutenant O/P	13.77	5,026.05	14.49	24.10	27.70	30.60	33.50	36.40
0/1 year	14.61	5,332.65	14.49	25.35	29.10	32.10	35.10	38.10
0/2 years	15.82	5,774.30	14.49	26.60	30.50	33.60	36.70	39.80
0/3 years	16.42	5,993.30	14.49	26.60	30.50	33.60	36.70	39.80
0/4 years	17.03	6,215.95	14.49	27.85	31.90	35.10	38.30	41.50
0/5 years	17.63	6,434.95	14.49	29.10	33.30	36.60	39.90	43.20
0/6 years	18.23	6,653.95	14.49	29.10	33.30	36.60	39.90	43.20
0/7 years	18.83	6,872.95	14.49	30.35	34.70	38.10	41.50	44.90
0/8 years	19.44	7,095.60	14.49	30.35	34.70	38.10	41.50	44.90
0/10 years	20.04	7,314.60	14.49	31.60	36.10	39.60	43.10	46.60
Lieutenant-Commander O/P ..	20.04	7,314.60	21.07	31.60	36.10	39.60	43.10	46.60
0/1 year	20.72	7,562.80	21.07	31.60	36.10	39.60	43.10	46.60
0/2 years	21.41	7,814.65	21.07	32.85	37.50	41.10	44.70	48.30
0/3 years	22.09	8,062.85	21.07	34.10	38.90	42.60	46.30	50.00
0/4 years	22.78	8,314.70	21.07	34.10	38.90	42.60	46.30	50.00
Commander O/P	24.09	8,792.85	25.27	35.35	40.30	44.10	47.90	51.70
0/1 year	24.86	9,073.90	25.27	35.35	40.30	44.10	47.90	51.70
0/2 years	25.63	9,354.95	25.27	35.35	40.30	44.10	47.90	51.70
Captain O/P	27.11	9,895.15	28.49	35.35	40.30	44.10	47.90	51.70
0/1 year	27.96	10,205.40	28.49	35.35	40.30	44.10	47.90	51.70
0/2 years	28.81	10,515.65	28.49	35.35	40.30	44.10	47.90	51.70
Surgeon-Lieutenant O/P ..	20.59	7,515.35	21.63	31.60	36.10	39.60	43.10	46.60
0/1 year	21.38	7,803.70	21.63	32.85	37.50	41.10	44.70	48.30
0/2 years	22.18	8,095.70	21.63	34.10	38.90	42.60	46.30	50.00
0/3 years	22.97	8,384.05	21.63	34.10	38.90	42.60	46.30	50.00
0/4 years	23.77	8,676.05	21.63	35.35	40.30	44.10	47.90	51.70
0/5 years	24.76	9,037.40	21.63	35.35	40.30	44.10	47.90	51.70
Surgeon Lieutenant-Commander O/P	25.74	9,395.10	27.02	35.35	40.30	44.10	47.90	51.70
0/1 year	26.73	9,756.45	27.02	35.35	40.35	44.10	47.90	51.70
0/2 years	28.05	10,238.05	27.02	35.35	40.35	44.10	47.90	51.70
0/3 years	29.05	10,603.25	27.02	35.35	40.35	44.10	47.90	51.70
Surgeon Commander O/P ..	33.75	12,319.00	35.49	35.35	40.35	44.10	47.90	51.70
0/1 year	33.75	12,319.00	35.49	35.35	40.35	44.10	47.90	51.70
Surgeon Captain	36.50	13,323.00	38.37	35.35	40.35	44.10	47.90	51.70
SAILORS								
Group 1								
Able	8.02	2,927.80	8.40	17.60	20.00	22.10	24.20	26.30
Leading	8.85	3,230.25	9.31	18.70	21.40	23.70	26.00	28.30
PO	9.50	3,467.50	10.01	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	9.66	3,525.90	10.01	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.81	3,580.65	10.01	19.25	22.10	24.50	26.90	29.30
CPO	10.43	3,806.95	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.57	3,858.05	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	10.76	3,927.40	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	10.92	3,985.80	10.92	20.35	23.50	26.10	28.70	31.30

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 2								
Able	8.02	2,927.30	8.40	17.60	20.00	22.10	24.20	26.30
Leading	8.84	3,226.60	9.31	18.70	21.40	23.70	26.00	28.30
PO	9.50	3,467.50	10.01	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	9.66	3,525.90	10.01	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.81	3,580.65	10.01	19.25	22.10	24.50	26.90	29.30
CPO	10.43	3,806.95	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.56	3,854.40	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	10.76	3,927.40	10.92	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	10.92	3,985.80	10.92	20.35	23.50	26.10	28.70	31.30
Group 3								
Able	8.18	2,985.70	8.61	17.60	20.00	22.10	24.20	26.30
Leading	9.01	3,288.65	9.45	18.70	21.40	23.70	26.00	28.30
PO	9.63	3,514.95	10.08	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	9.80	3,577.00	10.08	19.25	22.10	24.50	26.90	29.30
PO 0/4 years	9.94	3,628.14	10.08	19.80	22.80	25.30	27.80	30.30
CPO	10.56	3,854.40	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.70	3,905.50	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	10.89	3,974.85	11.06	20.35	23.50	26.10	28.70	31.30
CPO 0/6 years	11.06	4,036.90	11.06	21.60	24.90	27.60	30.30	33.00

Group 4								
Able	8.43	3,076.95	8.82	18.15	20.70	22.90	25.10	27.30
Leading	9.23	3,368.95	9.66	18.70	21.40	23.70	26.00	28.30
PO	9.86	3,598.90	10.36	19.25	22.10	24.50	26.90	29.30
PO 0/2 years	10.02	3,657.30	10.36	19.80	22.80	25.30	27.80	30.30
PO 0/4 years	10.17	3,712.05	10.36	19.80	22.80	25.30	27.80	30.30
CPO	10.79	3,938.35	11.34	20.35	23.50	26.10	28.70	31.30
CPO 0/2 years	10.93	3,989.45	11.34	20.35	23.50	26.10	28.70	31.30
CPO 0/4 years	11.12	4,058.80	11.34	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.28	4,117.20	11.34	21.60	24.90	27.60	30.30	33.00
Group 5								
Able	8.65	3,157.25	9.20	18.15	20.70	22.90	25.10	27.30
Leading	9.46	3,452.90	9.94	19.25	22.10	24.50	26.90	29.30
PO	10.08	3,679.20	10.57	19.80	22.80	25.30	27.80	30.30
PO 0/2 years	10.25	3,741.25	10.57	19.80	22.80	25.30	27.80	30.30
PO 0/4 years	10.39	3,792.35	10.57	19.80	22.80	25.30	27.80	30.30
CPO	11.02	4,022.30	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.15	4,069.75	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.34	4,139.10	11.55	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.51	4,201.15	11.55	21.60	24.90	27.60	30.30	33.00
Group 6								
Able	8.91	3,252.15	9.38	18.70	21.40	23.70	26.00	28.30
Leading	9.72	3,547.80	10.22	19.25	22.10	24.50	26.90	29.30
PO	10.34	3,774.10	10.85	19.80	22.80	25.30	27.80	30.30
PO 0/2 years	10.50	3,832.50	10.85	20.35	23.50	26.10	28.70	31.30
PO 0/4 years	10.65	3,887.25	10.85	20.35	23.50	26.10	28.70	31.30
CPO	11.27	4,113.55	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.41	4,164.65	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.60	4,234.00	11.83	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.76	4,292.40	11.83	21.60	24.90	27.60	30.30	33.00

Rank	Pay Plus Allowances (MA $1.15, SA 70c, UA 28c, TOTAL = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 7								
Able	9.16	3,343.40	9.59	18.70	21.40	23.70	26.00	28.30
Leading	9.94	3,628.10	10.43	19.80	22.80	25.30	27.80	30.30
PO	10.56	3,854.40	11.06	20.35	23.50	26.10	28.70	31.30
PO 0/2 years	10.73	3,916.45	11.06	20.35	23.50	26.10	28.70	31.30
PO 0/4 years	10.87	3,967.55	11.06	20.35	23.50	26.10	28.70	31.30
CPO	11.50	4,197.50	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.63	4,244.95	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	11.82	4,314.30	12.11	21.60	24.90	27.60	30.30	33.00
CPO 0/6 years	11.99	4,376.35	12.11	21.60	24.90	27.60	30.30	33.00
Group 8								
Able	9.42	3,438.30	9.87	19.25	22.10	24.50	26.90	29.30
Leading	10.20	3,723.00	10.71	19.80	22.80	25.30	27.80	30.30
PO	10.82	3,949.30	11.34	20.35	23.50	26.10	28.70	31.30
PO 0/2 years	10.99	4,011.35	11.34	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.13	4,062.45	11.34	21.60	24.90	27.60	30.30	33.00
CPO	11.76	4,292.40	12.32	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	11.89	4,339.85	12.32	21.60	24.90	27.60	30.30	33.00
CPO 0/4 years	12.08	4,409.20	12.32	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.25	4,471.25	12.32	22.85	26.30	29.10	31.90	34.70
Group 9								
Able	9.68	3,533.20	10.15	19.25	22.10	24.50	26.90	29.30
Leading	10.46	3,817.90	10.99	20.35	23.50	26.10	28.70	31.30
PO	11.08	4,044.20	11.62	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.25	4,106.25	11.62	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.39	4,157.35	11.62	21.60	24.90	27.60	30.30	33.00
CPO	12.02	4,387.30	12.60	21.60	24.90	27.60	30.30	33.00
CPO 0/2 years	12.15	4,434.75	12.60	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.34	4,504.10	12.60	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.51	4,566.15	12.60	22.85	26.30	29.10	31.90	34.70
Group 10								
Able	9.94	3,628.10	10.43	19.80	22.80	25.30	27.80	30.30
Leading	10.72	3,912.80	11.27	20.35	23.50	26.10	28.70	31.30
PO	11.34	4,139.10	11.90	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.51	4,201.15	11.90	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.65	4,252.25	11.90	21.60	24.90	27.60	30.30	33.00
CPO	12.28	4,482.20	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.41	4,529.65	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.60	4,599.00	12.88	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	12.77	4,661.05	12.88	22.85	26.30	29.10	31.90	34.70
Group 11								
Able	10.19	3,719.35	10.71	19.80	22.80	25.30	27.80	30.30
Leading	10.97	4,004.05	11.55	21.60	24.90	27.60	30.30	33.00
PO	11.59	4,230.35	12.18	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	11.76	4,292.40	12.18	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	11.90	4,343.50	12.18	21.60	24.90	27.60	30.30	33.00
CPO	12.53	4,573.45	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.66	4,620.90	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	12.85	4,690.25	13.16	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	13.02	4,752.30	13.16	22.85	26.30	29.10	31.90	34.70

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 12								
Able	10.45	3,814.25	10.99	20.35	23.50	26.10	28.70	31.30
Leading	11.23	4,098.95	11.76	21.60	24.90	27.60	30.30	33.00
PO	11.85	4,325.25	12.46	21.60	24.90	27.60	30.30	33.00
PO 0/2 years	12.02	4,387.30	12.46	21.60	24.90	27.60	30.30	33.00
PO 0/4 years	12.16	4,438.40	12.46	22.85	26.30	29.10	31.90	34.70
CPO	12.79	4,668.35	13.34	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	12.92	4,715.80	13.34	22.85	26.30	29.10	31.90	34.70
CPO 0/4 years	13.11	4,785.15	13.34	22.85	26.30	29.10	31.90	34.70
CPO 0/6 years	13.28	4,847.20	13.34	24.10	27.70	30.60	33.50	36.40
Group 13								
Able	10.71	3,909.15	11.27	20.35	23.50	26.10	28.70	31.30
Leading	11.49	4,193.85	12.04	21.60	24.90	27.60	30.30	33.00
PO	12.11	4,420.15	12.74	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	12.28	4,482.20	12.74	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.42	4,533.30	12.74	22.85	26.30	29.10	31.90	34.70
CPO	13.05	4,763.25	13.72	22.85	26.30	29.10	31.90	34.70
CPO 0/2 years	13.18	4,810.70	13.72	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.37	4,880.05	13.72	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	13.54	4,942.10	13.72	24.10	27.70	30.60	33.50	36.40
Group 14								
Able	10.97	4,004.05	11.55	21.60	24.90	27.60	30.30	33.00
Leading	11.75	4,288.75	12.32	21.60	24.90	27.60	30.30	33.00
PO	12.37	4,515.05	13.02	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	12.54	4,577.10	13.02	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.68	4,628.20	13.02	22.85	26.30	29.10	31.90	34.70
CPO	13.31	4,858.15	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.44	4,905.60	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.63	4,974.95	14.00	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	13.80	5,037.00	14.00	24.10	27.70	30.60	33.50	36.40
Group 15								
Able	11.22	4,095.30	11.76	21.60	24.90	27.60	30.30	33.00
Leading	12.00	4,380.00	12.60	21.60	24.90	27.60	30.30	33.00
PO	12.62	4,606.30	13.23	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	12.79	4,668.35	13.23	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	12.93	4,719.45	13.23	22.85	26.30	29.10	31.90	34.70
CPO	13.56	4,949.40	14.21	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.69	4,996.85	14.21	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	13.88	5,066.20	14.21	24.10	27.70	30.60	33 50	36.40
CPO 0/6 years	14.05	5,128.25	14.21	24.10	27.70	30.60	33.50	36.40
Group 16								
Able	11.48	4,190.20	12.04	21.60	24.90	27.60	30.30	33.00
Leading	12.26	4,474.90	12.88	22.85	26.30	29.10	31.90	34.70
PO	12.88	4,701.20	13.51	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	13.05	4,763.25	13.51	22.85	26.30	29.10	31.90	34.70
PO 0/4 years	13.19	4,814.35	13.51	24.10	27.70	30.60	33.50	36.40
CPO	13.82	5,044.30	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	13.95	5,091.75	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	14.14	5,161.10	14.49	24.10	27.70	30.60	33.50	36.40
CPO 0/6 years	14.31	5,223.15	14.49	25.35	29.10	32.10	35.10	38.10

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 17								
Able	11.74	4,285.10	12.32	21.60	24.90	27.60	30.30	33.00
Leading	12.52	4,569.80	13.16	22.85	26.30	29.10	31.90	34.70
PO	13.14	4,796.10	13.79	22.85	26.30	29.10	31.90	34.70
PO 0/2 years	13.31	4,858.15	13.79	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.45	4,909.25	13.79	24.10	27.70	30.60	33.50	36.40
CPO	14.08	5,139.20	14.77	24.10	27.70	30.60	33.50	36.40
CPO 0/2 years	14.21	5,186.65	14.77	24.10	27.70	30.60	33.50	36.40
CPO 0/4 years	14.40	5,256.00	14.77	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	14.57	5,318.05	14.77	25.35	29.10	32.10	35.10	38.10
Group 18								
Able	12.00	4,380.00	12.60	21.60	24.90	27.60	30.30	33.00
Leading	12.78	4,664.70	13.44	22.85	26.30	29.10	31.90	34.70
PO	13.40	4,891.00	14.07	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	13.57	4,953.05	14.07	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.71	5,004.15	14.07	24.10	27.70	30.60	33.50	36.40
CPO	14.34	5,234.10	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.47	5,281.55	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	14.66	5,350.90	15.05	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	14.83	5,412.95	15.05	25.35	29.10	32.10	35.10	38.10

Group 19								
Able	12.25	4,471.25	12.88	22.85	26.30	29.10	31.90	34.70
Leading	13.03	4,755.95	13.65	22.85	26.30	29.10	31.90	34.70
PO	13.65	4,982.25	14.35	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	13.82	5,044.30	14.35	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	13.96	5,095.40	14.35	24.10	27.70	30.60	33.50	36.40
CPO	14.59	5,325.35	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.82	5,409.30	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	14.91	5,442.15	15.33	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	15.08	5,504.20	15.33	25.35	29.10	32.10	35.10	38.10
Group 20								
Able	12.51	4,566.15	13.16	22.85	26.30	29.10	31.90	34.70
Leading	13.29	4,850.85	13.93	24.10	27.70	30.60	33.50	36.40
PO	13.91	5,077.15	14.63	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	14.08	5,139.20	14.63	24.10	27.70	30.60	33.50	36.40
PO 0/4 years	14.22	5,190.30	14.63	24.10	27.70	30.60	33.50	36.40
CPO	14.85	5,420.25	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	14.98	5,467.70	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	15.17	5,537.05	15.61	25.35	29.10	32.10	35.10	38.10
CPO 0/6 years	15.34	5,599.10	15.61	25.35	29.10	32.10	35.10	38.10
Group 21								
Able	12.77	4,661.05	13.44	22.85	26.30	29.10	31.90	34.70
Leading	13.55	4,945.75	14.21	24.10	27.70	30.60	33.50	36.40
PO	14.17	5,172.05	14.91	24.10	27.70	30.60	33.50	36.40
PO 0/2 years	14.34	5,234.10	14.91	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	14.48	5,285.20	14.91	25.35	29.10	32.10	35.10	38.10
CPO	15.11	5,515.15	15.89	25.35	29.10	32.10	35.10	38.10
CPO 0/2 years	15.24	5,562.60	15.89	25.35	29.10	32.10	35.10	38.10
CPO 0/4 years	15.43	5,631.95	15.89	26.60	30.50	33.60	36.70	39.80
CPO 0/6 years	15.60	5,694.00	15.89	26.60	30.50	33.60	36.70	39.80

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 22								
Able	13.03	4,755.95	13.65	22.85	26.30	29.10	31.90	34.70
Leading	13.81	5,040.65	14.49	24.10	27.70	30.60	33.50	36.40
PO	14.43	5,266.95	15.12	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	14.60	5,329.00	15.12	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	14.74	5,380.10	15.12	25.35	29.10	32.10	35.10	38.10
CPO	15.37	5,610.05	16.10	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	15.50	5,657.50	16.10	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	15.69	5,726.85	16.10	26.60	30.50	33.60	36.70	39.80
CPO 0/6 years	15.86	5,788.90	16.10	26.60	30.50	33.60	36.70	39.80
Group 23								
Able	13.28	4,847.20	13.93	24.10	27.70	30.60	33.50	36.40
Leading	14.06	5,131.90	14.77	24.10	27.70	30.60	33.50	36.40
PO	14.68	5,358.20	15.40	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	14.85	5,420.25	15.40	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	14.99	5,471.35	15.40	25.35	29.10	32.10	35.10	38.10
CPO	15.62	5,701.30	16.38	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	15.75	5,748.75	16.38	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	15.94	5,818.10	16.38	26.60	30.50	33.60	36.70	39.80
CPO 0/6 years	16.11	5,880.15	16.38	26.60	30.50	33.60	36.70	39.80

Group 24								
Able	13.54	4,942.10	14.21	24.10	27.70	30.60	33.50	36.40
Leading	14.32	5,226.80	15.05	25.35	29.10	32.10	35.10	38.10
PO	14.94	5,453.10	15.68	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	15.11	5,515.15	15.68	25.35	29.10	32.10	35.10	38.10
PO 0/4 years	15.25	5,566.25	15.68	25.35	29.10	32.10	35.10	38.10
CPO	15.88	5,796.20	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.01	5,843.65	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	16.20	5,913.00	16.66	26.60	30.50	33.60	36.70	39.80
CPO 0/6 years	16.37	5,975.05	16.66	26.60	30.50	33.60	36.70	39.80
Group 25								
Able	13.80	5,037.00	14.49	24.10	27.70	30.60	33.50	36.40
Leading	14.58	5,321.70	15.33	25.35	29.10	32.10	35.10	38.10
PO	15.20	5,548.00	15.96	25.35	29.10	32.10	35.10	38.10
PO 0/2 years	15.37	5,610.05	15.96	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	15.51	5,661.15	15.96	26.60	30.50	33.60	36.70	39.80
CPO	16.14	5,891.10	16.94	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.27	5,938.55	16.94	26.60	30.50	33.60	36.70	39.80
CPO 0/4 years	16.46	6,007.90	16.94	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	16.63	6,069.95	16.94	27.85	31.90	35.10	38.30	41.50
Group 26								
Able	14.06	5,131.90	14.77	24.10	27.70	30.60	33.50	36.40
Leading	14.84	5,416.60	15.61	25.35	29.10	32.10	35.10	38.10
PO	15.46	5,642.90	16.24	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	15.63	5,704.95	16.24	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	15.77	5,756.05	16.24	26.60	30.50	33.60	36.70	39.80
CPO	16.40	5,986.00	17.22	26.60	30.50	33.60	36.70	39.80
CPO 0/2 years	16.53	6,033.45	17.22	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	16.72	6,102.80	17.22	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	16.89	6,164.85	17.22	27.85	31.90	35.10	38.30	41.50

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	*Annual*		*Member and Wife*	*Member, Wife and One Child*	*Member, Wife and Two Children*	*Member, Wife and Three Children*	*Member, Wife and Four Children*
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
SAILORS—*continued*								
Group 27								
Able	14.31	5,223.15	15.05	25.35	29.10	32.10	35.10	38.10
Leading	15.09	5,507.85	15.82	25.35	29.10	32.10	35.10	38.10
PO	15.81	5,770.65	16.52	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	15.88	5,796.20	16.52	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.02	5,847.30	16.52	26.60	30.50	33.60	36.70	39.80
CPO	16.65	6,077.25	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	16.78	6,124.70	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	16.97	6,194.05	17.50	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.14	6,256.10	17.50	27.85	31.90	35.10	38.30	41.50
Group 28								
Able	14.57	5,318.05	15.33	25.35	29.10	32.10	35.10	38.10
Leading	15.35	5,602.75	16.10	26.60	30.50	33.60	36.70	39.80
PO	15.97	5,829.05	16.80	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	16.14	5,891.10	16.80	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.28	5,942.20	16.80	26.60	30.50	33.60	36.70	39.80
CPO	16.91	6,172.15	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	17.04	6,219.60	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	17.23	6,288.95	17.78	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.40	6,351.00	17.78	27.85	31.90	35.10	38.30	41.50

Group 29								
Able	14.83	5,412.95	15.54	25.35	29.10	32.10	35.10	38.10
Leading	15.61	5,697.65	16.38	26.60	30.50	33.60	36.70	39.80
PO	16.23	5,923.95	16.96	26.60	30.50	33.60	36.70	39.80
PO 0/2 years	16.40	5,986.00	16.96	26.60	30.50	33.60	36.70	39.80
PO 0/4 years	16.54	6,037.10	16.96	27.85	31.90	35.10	38.30	41.50
CPO	17.17	6,267.05	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	17.30	6,314.50	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/4 years	17.49	6,383.85	18.06	27.85	31.90	35.10	38.30	41.50
CPO 0/6 years	17.66	6,445.90	18.06	29.10	33.30	36.60	39.90	43.20
Group 30								
Able	15.09	5,507.85	15.82	25.35	29.10	32.10	35.10	38.10
Leading	15.87	5,792.55	16.62	26.60	30.50	33.60	36.70	39.80
PO	16.49	6,018.85	17.29	27.85	31.90	35.10	38.30	41.50
PO 0/2 years	16.66	6,080.90	17.29	27.85	31.90	35.10	38.30	41.50
PO 0/4 years	16.80	6,132.00	17.29	27.85	31.90	35.10	38.30	41.50
CPO	17.43	6,361.95	18.27	27.85	31.90	35.10	38.30	41.50
CPO 0/2 years	17.56	6,409.40	18.27	29.10	33.30	36.60	39.90	43.20
CPO 0/4 years	17.75	6,478.75	18.27	29.10	33.30	36.60	39.90	43.20
CPO 0/6 years	17.92	6,540.80	18.27	29.10	33.30	36.60	39.90	43.20
NAVAL DOCKYARD POLICE								
Constable on entry ..	9.94	3,628.10	10.43	19.80	22.80	25.30	27.80	30.30
Constable 0/2 years ..	10.72	3,912.80	10.43	20.35	23.50	26.10	28.70	31.30
Constable 0/6 years ..	11.34	4,139.10	10.43	21.60	24.90	27.60	30.30	33.00
Constable 0/8 years ..	11.51	4,201.15	10.43	21.60	24.90	27.60	30.30	33.00
Constable 0/10 years ..	11.65	4,252.25	10.43	21.60	24.90	27.60	30.30	33.00
Sergeant II	12.28	4,482.20	12.88	22.85	26.30	29.10	31.90	34.70
Sergeant II 0/2 years ..	12.41	4,529.65	12.88	22.85	26.30	29.10	31.90	34.70
Sergeant I	12.60	4,599.00	13.23	22.85	26.30	29.10	31.90	34.70
Sergeant I 0/2 years ..	12.77	4,661.05	13.23	22.85	26.30	29.10	31.90	34.70

Rank	Pay Plus Allowances (*MA* $1.15, *SA* 70c, *UA* 28c, *TOTAL* = $2.13)		Rent Norms for TAA and TRA (15% of Pay and Allowances)	Normal Living Expenses				
	Daily	Annual		Member and Wife	Member, Wife and One Child	Member, Wife and Two Children	Member, Wife and Three Children	Member, Wife and Four Children
	$ c	$ c	$ c	$ c	$ c	$ c	$ c	$ c
Recruit	8.02	2,927.30	8.40	17.60	20.00	22.10	24.20	26.30
ORD, on promotion ..	8.02	2,927.30	8.40	17.60	20.00	22.10	24.20	26.30
ORD after 6 months in rank ..	8.65	3,157.25	9.10	18.15	20.70	22.90	25.10	27.30
AB 2nd class after total of 6 months service from PROM to ORD	8.65	3,157.25	9.10	18.15	20.70	22.90	25.10	27.30
CHAPLAINS								
Chaplain on appointment ..	15.82	5,774.30	16.59	26.60	30.50	33.60	36.70	39.80
Chaplain 0/1 year ..	16.42	5,993.30	16.59	26.60	30.50	33.60	36.70	39.80
Chaplain 0/2 years ..	17.03	6,215.95	16.59	27.85	31.90	35.10	38.30	41.50
Chaplain 0/3 years ..	17.63	6,434.95	16.59	29.10	33.30	36.60	39.30	43.20
Chaplain 0/4 years ..	18.23	6,653.95	19.11	29.10	33.30	36.60	39.30	43.20
Chaplain 0/6 years ..	18.83	6,872.95	19.11	30.35	34.70	38.10	41.50	44.90
Chaplain 0/8 years ..	19.44	7,095.60	19.11	30.35	34.70	38.10	41.50	44.90
Chaplain 0/10 years ..	20.04	7,314.60	19.11	31.60	36.10	39.60	43.10	46.60
Chaplain 0/12 years ..	20.72	7,562.80	19.11	31.60	36.10	39.60	43.10	46.60
Chaplain 0/14 years ..	21.41	7,814.65	22.47	32.85	37.50	41.10	44.70	48.30
Chaplain 0/16 years ..	22.09	8,062.85	22.47	34.10	38.90	42.60	46.30	50.00
Chaplain 0/18 years ..	22.78	8,314.70	22.47	34.10	38.90	42.60	46.30	50.00
Chaplain 0/20 years ..	24.09	8,792.85	25.27	35.35	40.30	44.10	47.90	51.70
Chaplain 0/22 years ..	24.86	9,073.90	25.27	35.35	40.30	44.10	47.90	51.70

Note: Where a member has a wife and five or more children, an amount equal to the difference between:

a. The scale of normal living costs for a member, wife and three children; and

b. The scale of normal living costs for a member, wife and four children,

is to be added to 'b' for each child in excess of four in assessing the scale of normal living costs.

(252/4/65 HPB)

(*Navy Order 246/70*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 556/70-563/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
25 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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24697/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

556/70—Official Rates of Exchange—South Vietnam

1. The Commonwealth of Australia is a party to an agreement with the Government of South Vietnam which extended the preferential rate of exchange (118 piastres = $US1), established by the Special Currency Fund, to all non-resident individuals of South Vietnam for their personal expenditure.

2. The normal rate of exchange for Government to Government transactions, or Government transactions with Vietnamese nationals or local residents, is approximately 80.6 piastres = $US1 (being subject to day to day variations).

3. Under the agreement, Australian personnel, both service and civilian, became personally entitled to purchase piastres at the preferential rate for their individual expenditure. The Australian Embassy and the Australian Forces Vietnam also became authorised to purchase and disburse piastres at the preferential rate for salaries, pay, allowances, reimbursements and similar entitlements of Australian personnel including persons on short term missions.

4. The preferential rate of 118 piastres = $US1, is accordingly the rate of exchange to be used in assessing members entitlements to travelling expenses in respect of official travel in South Vietnam. It is also the rate which is applicable in the event of South Vietnamese piastres being drawn for money changing transactions of ships companies.

5. Navy Order 545/67 is hereby cancelled.

(201/1/49 DNA)

(*Navy Order 545/67*)

Section 2

PERSONNEL

UNCLASSIFIED

557/70—Courses—Medical Officers Refresher Courses in Anaesthetics

Navy Order 315/70 is to be amended as follows:

Delete **Paragraph 6** and *insert* the following:

'A registration fee will be charged to Medical Officers who are not registered in any Australian State; otherwise no registration fee will be charged. A fee for a Medical Officers residence and training may also be charged by the teaching hospitals.'

Delete **Paragraph 7** and *insert* the following:

'These fees will be accepted by the Department as a charge to public funds and reimbursement will be made on production of the official receipt from the Board or Hospital concerned.'

(312/51/42 MDG)

(*Navy Order 315/70*)

UNCLASSIFIED

558/70—Report of the Operation of Naval Health Benefits Society 1969-70

1. The following is a report to NHBS contributors on the Naval Health Benefits Societys operation during the financial year 1969-70.

2. On 1 July 1969 the Society established a special account for both medical and hospital schedules. Briefly contributors who have received the maximum benefit allowed by the Society, in either hospital or medical schedules, or join with a pre-existing ailment, may with the approval of Department of Health be placed in Special Account for medical or hospital benefits. In Special Account Department of Health refund benefits paid by the Society in accordance with special account rules and similarly Department of Health is credited with the special account members contribution.

3. On 1 January 1970 the Commonwealth required all Societies to participate in the Subsidised Medical Services Scheme. The scheme allows low income families, persons receiving sickness and unemployment benefits and migrants to receive medical and hospital benefits without payment of a contribution to the Society. The amount of benefit paid by the Society is in accordance with rules prescribed by the Commonwealth and is refunded to the Society at monthly intervals.

4. In regard to the accounts the accumulated funds have risen from $92,165 to $95,065—a rise of $2,900. The gain was realised by a profit in the hospital schedules of $15,990 and loss in the medical schedules of $13,090. The medical funds now stand in the red at $447.

5. The gain in hospital schedules can be attributed to the Societys 100 per cent rule, and the increased membership of the higher hospital schedules, and to some degree the availability of Special Account.

6. The loss in the medical schedules was realised in MH 3/5 which can be attributed to:

a. An increase in membership in this schedule comprising of new members and members transferring from lower schedules.

b. The Societys 70 per cent rule for medical charges, other than consultations, did not protect it from rising costs. There were general increases in fees throughout Australia, particularly NSW on 1 July 1969 and no increase in contribution was made by the Society.

c. Administration costs for the operation of the Society were comparable with those of last year. Due to the increased activity in medical schedule 3/5 the administrative cost rose by $1,360 in that schedule.

7. Membership increased from 5,785 to 6,536—a rise of 751 and combined with the transfer of members to higher schedules caused an increase in contributions from $310,145 in 1968-69 to $375,425 in 1969-70 in the ordinary accounts.

8. Benefits (both Society and Commonwealth) paid out from the ordinary accounts totalled $498,982 compared with $420,616 in 1968-69.

9. In Special Account the Society paid benefits on behalf of the Commonwealth totalling $15,113 for 726 consultations and other services.

10. In the Subsidised Medical Services Schemes $128.50 was paid on behalf of the Commonwealth for three consultations and other services.

11. During the year 72,700 consultations and other services were paid compared with 63,000 the previous year. The consultations and other services when compared with the mean membership for the year shows that the medical service per member was 11.8 compared with 11.4 last year.

12. Contingent liability has risen from $57,800 last year to $70,625 this year. The main reasons for this increase are the transfer of members to higher schedules and the increased membership. Having regard to the accumulated funds totalling $95,065 the present financial situation is sound.

13. Operations in 1970-71 should arrest the decline in the Medical schedule due to the introduction of the reconstructed Health Scheme which has caused an increase in contributions and removed the 70 per cent rule for other services.

14. Special Accounts and the Subsidised Medical Service Scheme were not given any benefit of the interest on investment when the Administrative charges were calculated for each schedule.

ANNEX A

NAVAL HEALTH BENEFITS SOCIETY

Balance Sheet as at 30 June 1970

1969 $		*Hospital* $	*Medical* $	$
	Members Funds—			
92,165	Balance at 1.7.69	79,521.64	12,643.41	
	Add Profit for year Hospital Schedules..	15,990.55	—	
	Less Loss for year Medical Schedules ..	—	13,090.28	
		95,512.19	(446.87)	
92,165	*Members Funds at 30 June 1970*			95,065.32
	Represented by:			
	Current Assets—			
35,812	Cash at Bank	5,745.75	—	
6,000	Cash on Fixed Deposit	26,000.00	—	
41,812			31,745.75	
	Refunds due from Department of Health—			
7,626	Medical	9,354.60	—	
2,652	Hospital	2,994.00	—	
	Special A/c Medical	1,364.97	—	
	Special A/c Hospital..	9,569.31	—	
	Subsidised Medical Scheme	2.20	—	
10,278			23,285.08	

ANNEX A—*continued*

$		$	$	$
	Fixed Assets—			
122	Office Equipment (At cost)	202.49	—	
	Less Provision for Depreciation ..	120.00	—	
			82.49	
	Investments—			
39,952	Commonwealth Bonds (At cost) ..		39,952.00	
92,165				95,065.32

Contingent Liability—

A contingent liability exists in respect of claims not yet presented to the Society. This liability is estimated to be $70,626. The method of arriving at this figure is set out on an attached schedule.

ANNEX B

NAVAL HEALTH BENEFITS SOCIETY

Administration Account for Year Ended 30 June 1970

1969 $		$	$
	Income—		
2,588	Interest on Investments	—	3,238.80
	Expenditure—		
12,421	Wages	12,426.22	
1,044	Stationery	1,888.25	
1,602	Postage	1,460.00	
980	Audit Fees	980.00	
100	Stamp Duty	275.00	
100	Staff Superannuation	200.00	
102	Office Expenses	93.98	
429	Receipt Tax	93.70	
210	Advertising	93.00	
40	Depreciation Office Equipment	40.00	
19	Workers' Compensation Insurance	38.25	
15	Subscription to Victorian Health Insurance Council	30.00	
17,062		17,618.40	

ANNEX B—*continued*

$		$	$
	Less—		
	Subsidised Medical Services Expenditure Recouped Ex Department of Health—$7.60		
	Estimated Special Account Expenditure due Ex Department of Health—$165.03		
		172.63	
			17,445.77
14,474	Deficiency charged against Medical and Hospital Schedules		14,206.97

Auditors Report

We certify that we have audited the books and accounts of the Naval Benefits Society for the year ended 30 June 1970, and in our opinion the Administration Account correctly sets forth the transactions for the period under review and the Balance Sheet is properly drawn up and is in accordance with the books. We have received all the information and explanations that we have required.

GOODE and TONER
Chartered Accountants,
340 Little Collins Street,
Melbourne.

Melbourne,
15 September 1970.

ANNEX C

NAVAL HEALTH BENEFITS SOCIETY

Society Hospital and Medical Benefits Fund Accounts for Year Ended 30 June 1970

—	*Schedule MH 2/3*			*Schedule MH 3/4*		
	Medical	*Hospital*	*Total*	*Medical*	*Hospital*	*Total*
	$	$	$	$	$	$
Fund Balance at 1.7.69	(13,573.23)	27,184.21	13,610.98	5,335.02	6,387.38	11,722.40
Add Contributions received during year ..	7,123.24	8,868.76	15,992.00	34,075.69	37,254.28	71,329.97
Add Miscellaneous Adjustments	127.25	—	127.25	103.96	6.81	110.77
	(6,322.74)	36,052.97	29,730.23	39,514.67	43,648.47	83,163.14
Less Ancillary Benefits	362.70	389.45	752.15	3,180.40	1,923.50	5,103.90
Less Fund Benefit paid during year	6,056.40	5,664.40	11,720.80	28,402.70	29,378.50	57,781.20
Less Miscellaneous Adjustments	65.86	92.82	158.68	80.71	170.23	250.94
Fund Surplus	(12,807.70)	29,906.30	17,098.60	7,850.86	12,176.24	20,027.10
Less Administration Expenses 1969–70	598.05	262.40	860.45	1,963.70	876.26	2,839.96
Net Surplus at 30 June 1970	(13,405.75)	29,643.90	16,238.15	5,887.16	11,299.98	17,187.14

—	*Schedule MH 3/5*			*All Schedules*		
	Medical	*Hospital*	*Total*	*Medical*	*Hospital*	*Total*
	$	$	$	$	$	$
Fund Balance at 1.7.69	4,460.21	13,820.03	18,280.24	(3,778.00)	47,391.62	43,613.62
Add Contributions received during year ..	115,241.61	172,862.40	288,104.01	156,440.54	218,985.44	375,425.98
Add Miscellaneous Adjustments	440.94	2,104.02	2,544.96	672.15	2,110.83	2,782.98
	120,142.76	188,786.45	308,929.21	153,334.69	268,487.89	421,822.58
Less Ancillary Benefits	8,155.05	9,434.85	17,589.90	11,698.15	11,747.80	23,445.95
Less Fund Benefits paid during year	113,779.95	152,379.30	266,159.25	148,239.05	187,422.20	335,661.25
Less Miscellaneous Adjustments	648.20	936.70	1,584.90	794.77	1,199.75	1,994.52
Fund Surplus	(2,440.44)	26,035.60	23,595.16	(7,397.28)	68,118.14	60,720.86
Less Administration Expenses 1969–70	6,909.25	3,597.31	10,506.56	9,471.00	4,735.97	14,206.97
Net Surplus at 30 June 1970	(9,349.69)	22,438.29	13,088.60	(16,868.28)	63,382.17	46,513.89

	$
Net accrued surplus on all operating schedules at 30 June 1970	46,513.89
Net accrued surplus on all operating schedules at 30 June 1969	43,613.62
Net gain for year	2,900.27

ANNEX D

NAVAL HEALTH BENEFITS SOCIETY

Statement of Contingent Liability in Respect of Claims not presented at 30 June 1970

Total claims for the year ended 30 June 1970—

Medical	$159,937.20
Hospital	$199,170.00

Assessed period of delay between date of service and payment—

Medical	13 weeks
Hospital	8 weeks

Contingent Liability at 30 June 1970—

Medical .. .. $\frac{159,937.20}{52} \times 13 = \$39,984.30$

Hospital .. .. $\frac{199,170.00}{52} \times 8 = \$30,641.54$

$70,625.84

(271/51/10 DFSD)

UNCLASSIFIED

559/70—Travelling Allowance—Members on Short Term Duty Overseas

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119/70 as varied by Navy Orders 158/70, 319/70 and 488/70 have been further varied as follows:

Table A

Delete the rates for Brazil, Hong Kong, Peru, Philippines, Taiwan and Thailand and *insert* the following rates in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Brazil	$A ..	25.00	28.00	31.00
Peru	$A ..	23.50	27.00	30.00
Philippines ..	Pesos ..	115	154	168
Taiwan	$N.T. ..	760	840	920
Thailand ..	Baht ..	420	500	580

Table B

Delete the rate for South Korea and *insert* the following rate in its stead and add a new rate for Hong Kong:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Hong Kong ..	$HK ..	59	69	79
South Korea ..	Won ..	3,400	3,700	4,000

2. The effective date for the variation in these rates is as follows:

Brazil	7 August 1970.
Peru	31 July 1970.
Hong Kong	25 June 1970.
South Korea	25 June 1970.
Philippines	25 June 1970.
Thailand	25 June 1970.
Taiwan	25 June 1970.

(252/4/168 HPB)

(Navy Orders 119/70, 158/70, 319/70 and 488/70)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

560/70—Machinery Spares—Group 2010—Propellers Tailshafts—Base Spares—Annual Returns

1. Statements are to be forwarded annually to Director of Machinery and Spares and Superintending Machinery Spares Officer, Sydney, showing the following particulars of propellers and tailshafts held as spares at 31 December:

Propellers .. Number held and whether right hand or left hand, class of ship for which suitable, pitch, diameter and surface area. Condition and details of repairs necessary, if other than serviceable.

Tailshafts .. Number held, class of ship for which suitable, screw thread, right or left hand. Condition and details of repairs necessary if other than serviceable.

2. Navy Order 483/67 is hereby cancelled.

(1115/51/431 DMS)

(Navy Order 483/67)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

561/70—Form KC109—Receipt Note for Classified Correspondence

1. To facilitate the return of receipted Forms KC109, all forms currently held are to be amended by adding the following details to the top portion of the area of the form bounded by the dark line:

Return ....

to ....

(Sender) (Recipient)

2. Future re-prints of the form will incorporate the above details.

(465/54/466 CEO (GS))

UNCLASSIFIED

562/70—Form TW141 Equipment Movement Record

Navy Order 401/70 is to be amended as follows:

Paragraph 1, line 9. After 'for Record Purposes' *insert* new sentences:

'For submarine equipments, users of Form TW141 are to raise three copies, and the following distribution made:

Copy one .. Director of Submarine Maintenance and Repair.
Copy two .. Commander First Australian Submarine Squadron.
Copy three .. Ships record copy.

These instructions will be incorporated in ABR 1313/1969 in due course.'

(464/78/79 DSMR)

(*Navy Order 401/70*)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

563/70—Scales of Equipment in Shore Establishments—Floor Polishers

Navy Order 331/70 is to be amended as follows:

Paragraph 5:

Amend '0303' *to read* '0305'.

(519/77/151 DSUA)

(*Navy Order 331/70*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 564/70-567/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
27 November 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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24695/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

564/70—Radio Navigational Warnings—Revised Naming and Numbering

1. To provide a self-evident indication of the geographical area to which they refer and to simplify universal usage, radio navigational warnings of the 'W' message series will be renamed on 1 January 1971 as listed below:

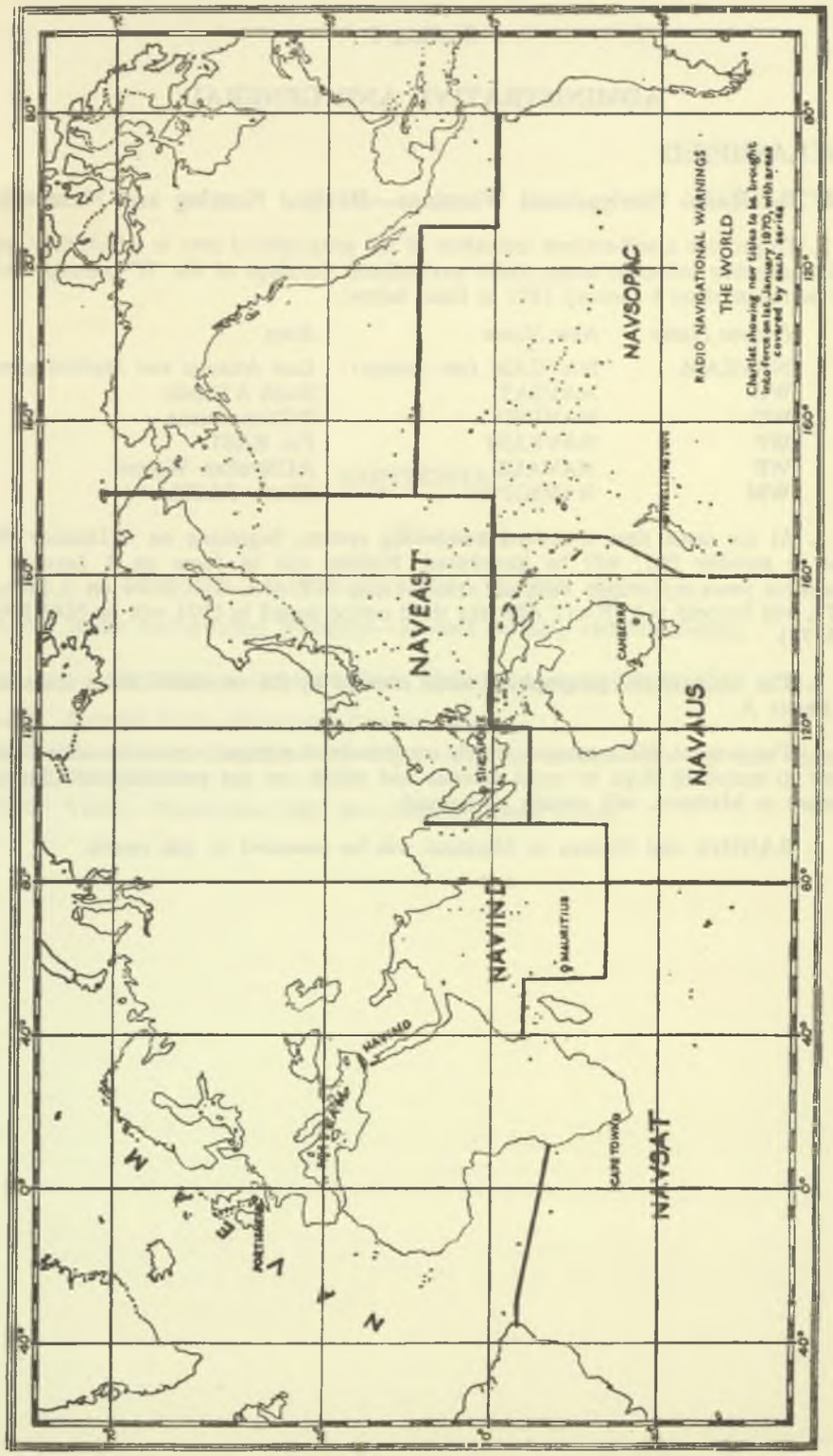
Present Name	*New Name*	*Area*
NAVEAM	NAVEAM (no change)	East Atlantic and Mediterranean
WU	NAVSAT	South ATlantic
WC	NAVIND	INDian Ocean
WP	NAVEAST	Far EAST
WF	NAVAUS	AUStralian Waters
WM	NAVSOPAC	SOuth PACific

2. At the same time a revised numbering system, beginning on 1 January each year at number 001, will be introduced. Notices still in force on 1 January of successive years will retain their old number (eg, WP 495, if in force on 1 January 1971, will become NAVEAST 495; the third notice issued in 1971 will be NAVEAST 003/71).

3. The limits of the geographical areas covered by the respective series are shown at Annex A.

4. The present WZ messages, which are broadcast without number or series designator to merchant ships by coast stations and which are not published in Admiralty Notices to Mariners, will remain unchanged.

5. RANOPS and Notices to Mariners will be amended in due course.



(77/1/32 D of O)

Section 4
EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

565/70—Support Craft—Robinsons Common Hook

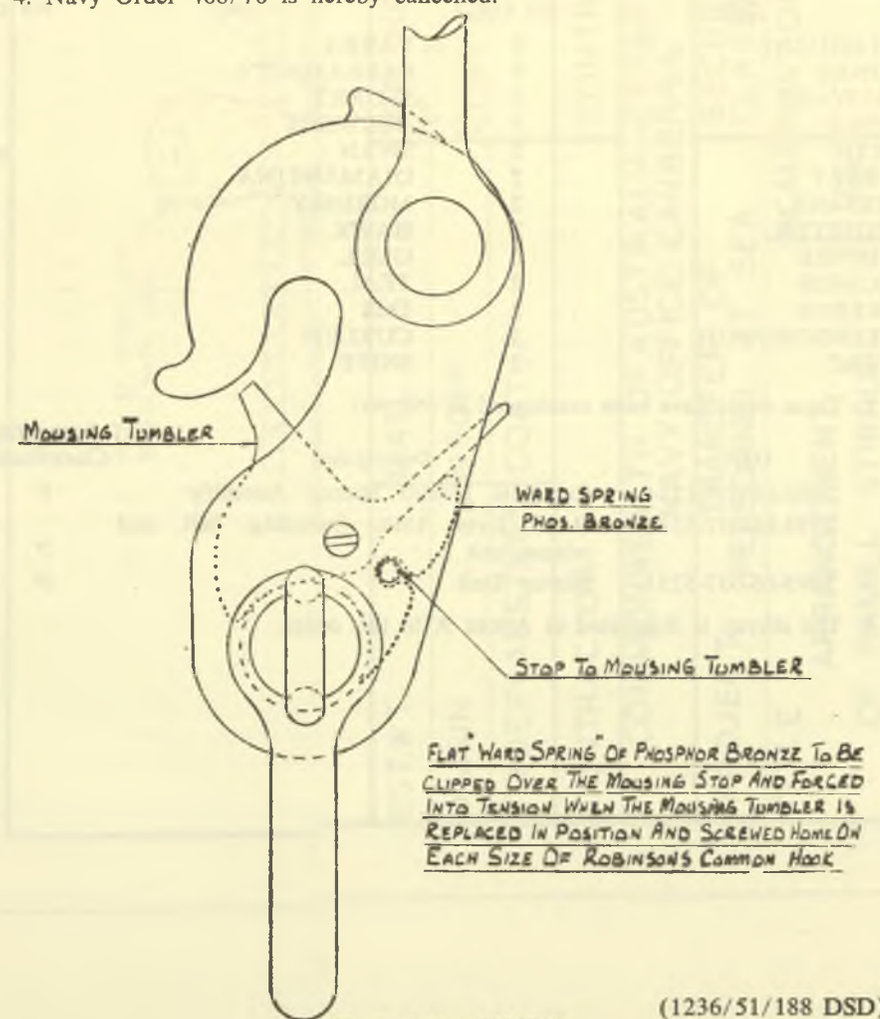
(DCI (RN) 637/70)

1. Modifications have been found necessary to Robinsons Common Hooks in service in the RN as a result of some of these hooks tending to disengage when hoisting boats in a seaway. The modification is to fit a flat Phosphor Bronze 'Ward Spring' in accordance with the sketch. The spring shall be clipped over the mousing stop and forced into tension when the mousing tumbler is replaced in position and screwed home.

2. Details of the modification is shown on Navy Office Drawing No 0/2409-1 Rev 1 and copies of the drawing are being forwarded to the Dockyards. All other drawings relating to Robinsons Common Hooks are now cancelled.

3. Commanding Officers of ships with boats hoisted on Robinsons Common Hooks should have an item inserted in their Defect List to cover the modification as mentioned in Paragraph 1 above.

4. Navy Order 468/70 is hereby cancelled.



(1236/51/188 DSD)

(Navy Order 468/70)

UNCLASSIFIED

566/70—Transfer of Personnel by Light Jackstay—Introduction of the Hamill Stirrup

1. It has been decided, in the interests of safety of personnel being transferred at sea by light jackstay, to replace the existing light jackstay stirrup by the Hamill Stirrup.

2. The Hamill Stirrup incorporates a quick release mechanism for the stirrup and waistband, allowing the person being transferred to free himself in the event of the light jackstay parting or loss of control of the rig.

3. Manufacture of the stirrup is to be in accordance with GID Drawing No 156/34, Rev 3.

4. Hamill Stirrups will be issued, when available, to each of the ships listed hereunder without demand. Each stirrup equipment issued will be supplied complete with one spare stirrup unit and one spare handgrip unit to allow for accidential or emergency loss of these detachable units:

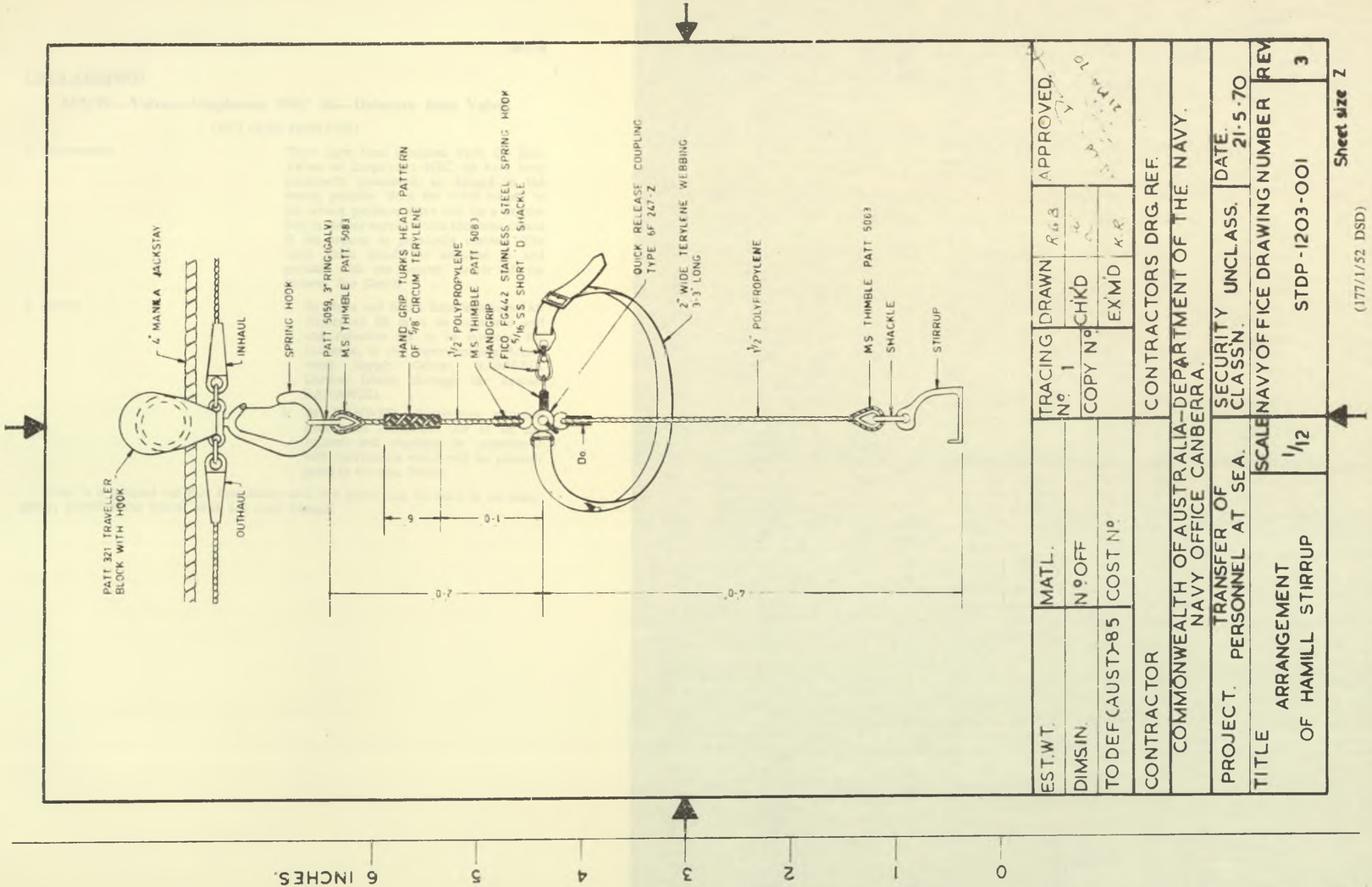
Ship	*No Off*	*Ship*	*No Off*
MELBOURNE	3	YARRA	2
SYDNEY	3	PARRAMATTA	2
STALWART	3	STUART	2
SUPPLY	3	DERWENT	2
PERTH	2	SWAN	2
HOBART	2	DIAMANTINA	1
BRISBANE	2	MORESBY	1
VENDETTA	2	HAWK	1
VAMPIRE	2	GULL	1
DUCHESS	2	TEAL	1
TORRENS	2	IBIS	1
QUEENBOROUGH	2	CURLEW	1
ANZAC	2	SNIPE	1

5. These items have been catalogued as follows:

DSN	*Description*	*Accounting Classification*
2090-66-035-1234	Complete Hamill Stirrup Assembly	P
2090-66-037-5232	Hand Grip Unit, including belt and release unit	P
2090-66-037-5233	Stirrup Unit	P

6. The stirrup is illustrated in Annex A to this order.

ANNEX A



UNCLASSIFIED

567/70—Valves—Respirators NBC S6—Defective Inlet Valves

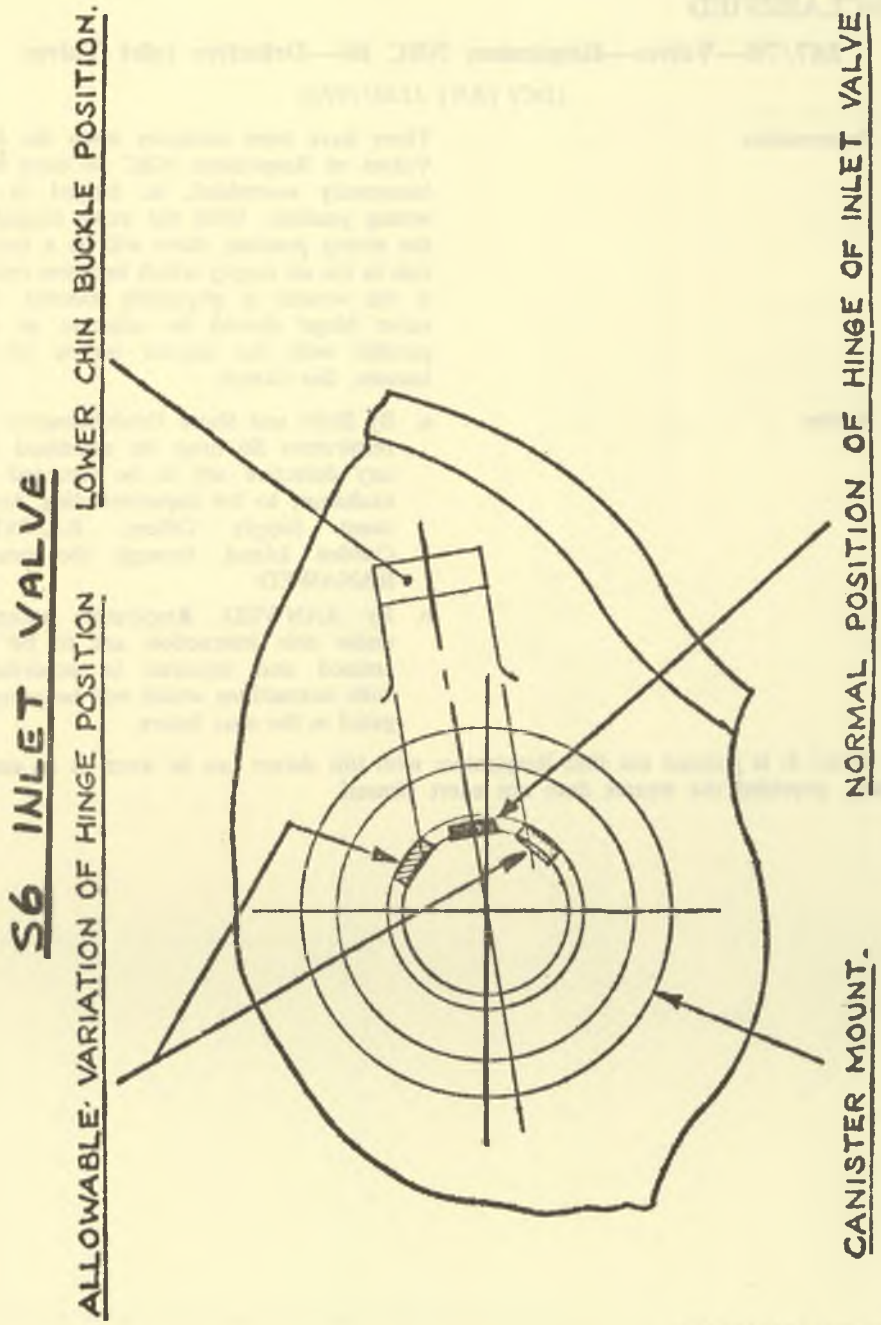
(DCI (RN) 1130/1970)

1. *Information* .. .. .. There have been instances when the Inlet Valves of Respirators NBC S6 have been incorrectly assembled, ie, hinged in the wrong position. With the valve hinged in the wrong position, there will be a restriction in the air supply which becomes critical if the wearer is physically exerted. The valve hinge should be adjacent to and parallel with the nearest buckle of the harness. *See* Sketch.

2. *Action* .. .. .. a. By Ships and Shore Establishments. All respirators S6 must be examined and any defective are to be returned for exchange, to the Superintending Armament Supply Officer, RANWED, Garden Island, through the nearest RANAWED.

   b. By RANWED. Respirators returned under this instruction are to be examined and repaired in accordance with instructions which will be promulgated in the near future.

Note: It is pointed out that Respirators with this defect can be worn in an emergency, provided the wearer does not exert himself.



(710/51/285 DAS)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANO 568/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
4 December 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

568/70—Sailors Course Programme 1971

1. The programme of sailor courses for 1971 is shown in Annex A to this order.

2. The duration of courses shown in the period specified in appropriate syllabus and actual course lengths may vary because of unknown commitments. Training establishments are to report changes in completion dates of courses in monthly returns, Form PE106 (AS3113), when such changes are known.

3. Re-engagement categories are currently as follows:

GROUP A—3 years.

GROUP B—2 years.

GROUP C—1 year.

GROUP D—No specific requirements. However, sailors will not be placed on course unless they have nine months to serve from date of completion of course.

GROUP E—No specific requirements, but sailors will not be placed on course unless they have six months to serve from date of completion of course.

Course completion dates are published in Annex A to this order and the period of service required on completion of a course commences on the day following. Re-engagement rules for sailors undergoing courses are laid down in RI Article 0824.

4. Applications to re-engage are to be forwarded on receipt of appropriate posting notes. Should a sailor posted to a course subject to re-engaging not intend to re-engage, this is to be signalled promptly in order that a replacement may be posted.

5. The EDP course numbers shown in Annex A are the designators used to identify each particular course.

6. Alterations and additions to the course programme will be promulgated by amendments to this order.

Amendment List

Amendment No	*Authority*	*Date*	*Inserted by*	*Date Inserted*

ANNEX A

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Start Date*	*Completion Date*	*Min/Max Nos*	*Remarks*
Recruits/New Entries	901700	Adult Male Recruits	CERBERUS ..	60	—	18.10.70	29.1.71	120	—
						15.11.70	26.2.71		
	901710	Junior Recruit ..	LEEUWIN ..	240	—	To be advised			—
						6.1.71	8.12.71	252	
						14.4.71	22.5.71	188	
						14.7.71	7.6.72	216	
						13.10.71	20.9.72	144	
	901730	Artificer Apprentices	NIRIMBA ..	3½ years	—	11.1.71	—	125	—
						5.7.71	—	125	
Seamen Promotion	902540	Coxswain Conversion	CERBERUS ..	40	D	4.1.71	26.2.71	4–12	
	911890	PO Coxn Promotion	CERBERUS and PENGUIN	40 (includes 10 NBCD 20 S Ship)	D	19.4.71	11.6.71	4–12	Applicable to LR PO and CPO Ranks
						18.10.71	10.12.71		Commence CERBERUS—length determined by prior experience
						22.2.71	16.4.71		
						5.7.71	27.8.71		
	911900	POPT	CERBERUS and PENGUIN	110 (includes 10 NBCD 20 S Ship)	C	11.1.71	11.6.71	4–8	Commences PENGUIN
	911910	POQMG.. ..	CERBERUS and PENGUIN	105 (includes 10 NBCD 20 S Ship)	C	10.8.70	25.1.71	6–12	Courses commence CERBERUS
						1.3.71	18.8.71		
						9.8.71	4.2.72		
						11.10.71	5.4.72		
	911920	POCD	PENGUIN and WATSON	120 (includes 10 NBCD 20 S Ship)	C	15.3.70	17.9.70	4–8	Commences PENGUIN
	911930	POSR	PENGUIN ..	90 (includes 10 NBCD 20 S Ship)	C	2.8.71	3.12.71	2–10	—
	911940	POUW	WATSON and PENGUIN	65 (includes 10 NBCD 20 S Ship)	D	15.3.71	12.6.71	6–10	Commences WATSON
						12.7.71	8.10.71		Commences PENGUIN

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Seamen Promotion—*continued*	911950	PORP	WATSON and PENGUIN	110 (includes 10 NBCD 20 S Ship)	C	4.1.71 12.7.71	11.6.71 10.12.71	6–9	Courses commence PENGUIN
	911960	POUC	WATSON and PENGUIN	105 (includes 10 NBCD 20 S Ship)	C	18.1.71 12.7.71	11.6.71 3.12.71	5–8	Courses commence WATSON
	911970	POFC	CERBERUS and PENGUIN	90 (includes 10 NBCD 20 S Ship)	C	10.5.71	1.10.71	5–12	Commences CERBERUS
	911980	POWM	CERBERUS and PENGUIN	110 (includes 10 NBCD 20 S Ship)	C	10.8.70 22.3.71	12.2.71 17.9.71	6–12	Courses commence CERBERUS
	911710	ABQMG ..	CERBERUS ..	25	—	24.3.71	30.4.71	8–12	—
						As required			
	911730	ABSR	PENGUIN ..	85 (includes 5 NBCD 20 S Ship)	—	11.1.71 12.7.71	7.5.71 5.11.71	4–10	—
	911740	ABUW	WATSON and PENGUIN	50 (includes 5 NBCD 20 S Ship)		11.1.71 8.2.71 29.3.71 9.8.71 13.9.71 4.10.71	19.3.71 16.4.71 4.6.71 15.10.71 19.11.71 10.12.71	6–10	Courses commence WATSON
	911750	ABRP	WATSON and PENGUIN	80 (includes 5 NBCD 20 S Ship)	—	— 11.1.71 2.2.71 15.2.71 15.3.71 5.4.71 27.4.71 10.5.71 5.7.71	6.3.71 7.5.71 28.5.71 11.6.71 31.7.71 13.8.71 3.9.71 17.9.71 22.10.71	6–9	Courses commence PENGUIN
	911760	ABUC	WATSON and PENGUIN	85 (includes 5 NBCD 20 S Ship)	—	19.7.71 9.8.71 23.8.71 8.11.71 9.11.70 11.1.71 5.4.71 13.4.71 7.6.71 16.8.71	5.11.71 26.11.71 10.12.71 18.3.72 19.3.71(2) 7.5.71 20.8.71(2) 27.8.71(2) 22.10.71 10.12.71(2)	7–13	Commences WATSON Commences PENGUIN Commences PENGUIN Commences WATSON Commences PENGUIN Commences PENGUIN
	911770	ABFC	CERBERUS ..	25	—	— 24.3.71	15.1.71 30.4.71	4–6	—
						As required			
	911780	ABWM	CERBERUS ..	50	—	— 24.3.71	12.1.71 4.6.71	10–16	—
						As required			
	911790	ABCD	PENGUIN and WATSON ..	85 (includes 5 NBCD 20 S Ship)	—	16.11.70 4.1.71 17.5.71 5.7.71 8.11.71	14.5.71 4.6.71 5.11.71 3.12.71 12.5.72	8–16	Courses commence PENGUIN
	911800	LSPT	CERBERUS ..	120	C	4.1.71 5.7.71	18.6.71 17.12.71	6–12	—
		Seaman Gunners ..	CERBERUS ..	50 (includes 5 NBCD 20 S Ship)	—	11.1.71(3) 8.2.71(3) 9.3.71 5.4.71 27.4.71(2) 5.7.71(2) 12.7.71 9.8.71(2) 6.9.71 11.10.71	23.3.71 21.4.71 21.5.71 7.7.71 26.7.71 13.9.71 20.9.71 27.10.71 24.11.71 12.1.72	9–12	—
		POUCSM ..	WATSON, PENGUIN and UK	60 (includes 20 S Ship 35UK)	B	To be decided		—	—

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Seaman Promotion—*continued*	908900	POUWSM ..	WATSON and PLATYPUS	25	B	30.8.71	1.10.71	4–9	—
	908910	LSUCSM ..	WATSON ..	10	—	As required		—	ABR 27 Vol II ART 1166
		LSRPSM ..	WATSON ..	3	—	As required		—	ABR 27 Vol II ART 1186
Seamen PCT	902490	Minor War Vessel Coxn	WATSON/Sea ..	20	E	1.3.71 2.8.71 13.9.71	26.3.71 27.8.71 8.10.71	4–8	—
	903290	ASAC	WATSON/Sea ..	15	E	2.2.71 15.3.71	19.2.71 2.4.71	4–6	—
	911630	SEACAT AIMER	CERBERUS/Sea..	15	E	29.3.71 26.7.71	20.4.71 13.8.71	4–10	—
		ASAC Refresher ..	WATSON ..	5	E	8.3.71 4.10.71	12.3.71 8.10.71	4–6	—
Communications Promotion	912910	CY	CERBERUS .. HARMAN WATSON PENGUIN	87 (includes 10 NBCD)	C	25.1.71 19.7.71	26.5.71 24.11.71	3–10	Courses commence CERBERUS
	912920	RS	CERBERUS .. HARMAN PENGUIN	92 (includes 10 NBCD)	C	25.1.71 19.7.71	4.6.71 3.12.71	3–10	Courses commence CERBERUS
	912930	RSS	CERBERUS .. PENGUIN HARMAN WATSON DSD	110 (includes 10 NBCD)	C	22.3.71	20.8.71	3–10	Commences CERBERUS
	912700	COCAT	CERBERUS ..	35 (includes 5 NBCD)	—	4.1.71 1.3.71 27.4.71 5.7.71 23.8.71 18.10.71	19.2.71 23.3.71 11.6.71 20.8.71 15.10.71 3.12.71	8–40	—
	912710	TO	CERBERUS ..	140	—	24.8.70 19.10.70 30.11.70 22.2.71 27.4.71 5.7.71 23.8.71 18.10.71 6.12.71	2.4.71 21.5.71 23.7.71 23.9.71 3.12.71 11.2.72 31.3.72 19.5.72 28.7.72	8–40	—
	912720	RO	CERBERUS ..	125	—	6.7.70 24.8.70 19.10.70 30.11.70 22.2.71 27.4.71 5.7.71 23.8.71 18.10.71 6.12.71	21.1.71 12.3.71 30.4.71 11.6.71 3.9.71 12.11.71 21.1.72 10.3.72 28.4.72 16.6.72	4–12	—
Communications PCT	912000	AB Refresher ..	CERBERUS ..	20	E	11.1.71 13.4.71 12.7.71 11.10.71	5.2.71 7.5.71 6.8.71 5.11.71	6–12	BTT not included
	912010	AB Refresher ..	KUTTABUL ..	20	E	As for 912000		6–10	BTT not included
	912222	Shore Radio Aquaint	HARMAN ..	5	E	15.5.71 11.10.71	19.5.71 15.10.71	—	—
	903560	Short	Army	55	—	2.71	4.71	3	—
		Indon	HARMAN ..	55	—	2.8.71	15.10.71	3–8	—
Marine Engineering Promotion	953080	CERA/CMECH ..	CERBERUS ..	85	C	25.1.71	21.5.71	} 6–15	Combined course
	953090	CERAD/CMECHD	CERBERUS ..	85	C	25.1.71	21.5.71		
	913990	CNS	NIRIMBA ..	40	D	8.3.71	30.4.71	3–6	—
	913930	Mechanician ..	NIRIMBA ..	2 years	A	12.7.71	16.6.73	5–10	—
	953930	Mechanician D ..	NIRIMBA ..	2 years	A	12.7.71	16.6.73	3–5	—
	913950	DE ERA ..	CERBERUS ..	95	—	4.1.71 5.7.71	14.5.71 12.11.71	6–15	Combined with 913960
	913960	DE ERAD ..	CERBERUS ..	95	—	4.1.71 5.7.71	14.5.71 12.11.71	6–15	Combined with 913950
	913910	POME	CERBERUS and PENGUIN	70 (includes 10 NBCD)	D	12.10.70 25.1.71 19.4.71 26.7.71 11.10.71	12.2.71 30.4.71 13.8.71 29.10.71 4.2.72	6–15	Courses commence PENGUIN
	913920	POMED ..	CERBERUS and PENGUIN	60 (includes 10 NBCD)	D	19.10.70 8.2.71 9.8.71	29.1.71 30.4.71 29.10.71	6–12	Courses commence PENGUIN
	913710	ME	CERBERUS ..	70 (includes 5 NBCD)	—	19.10.70 4.11.70 4.1.71	12.2.71 26.2.71 9.4.71	10–21	—

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Marine Engineering Promotion—*continued*						18.1.71	23.4.71		
						8.2.71	14.5.71		
						1.3.71	4.6.71		
						15.3.71	18.6.71		
						19.4.71	13.8.71		
						10.5.71	3.9.71		
						24.5.71	17.9.71		
						5.7.71	8.10.71		
						19.7.71	22.10.71		Navy Week
						2.8.71	5.11.71		Navy Week
						23.8.71	26.11.71		Navy Week
						6.9.71	10.12.71		Navy Week
						27.9.71	21.1.72		
						18.10.71	11.2.72		
	913720	MED	CERBERUS ..	65 (includes 5 NBCD)	—	4.11.70	19.2.71	10–15	—
						8.2.71	7.5.71		
						19.4.71	6.8.71		
						19.7.71	15.10.71		Navy Week
						13.9.71	10.12.71		Navy Week
Marine Engineering PCT	913660	Advanced welding..	NIRIMBA ..	60	D	25.1.71	16.4.71	–4	—
						10.5.71	30.7.71		
						23.8.71	12.11.71		
	913980	Mechanician Educational	CERBERUS ..	20	E	10.5.71	4.6.71	–10	Location under review
	913630	Bricklaying and Lagging	CERBERUS ..	20	E	18.1.71	12.2.71	4–8	—
						9.3.71	2.4.71		
						3.5.71	28.5.71		
						19.7.71	13.8.71		
						6.9.71	1.10.71		
						8.11.71	3.12.71		
	913620	TOW	CERBERUS ..	60	D	11.1.71	2.4.71	6–15	Combines with 914680, 917580, 916220
						5.7.71	24.9.71		
						20.9.71	10.12.71		
	902310	MTD	ALBATROSS ..	30	D	11.1.71	19.2.71	Combined 4–12	Combined with 907330 WRAN MTD
						22.2.71	3.4.71		
						13.4.71	24.5.71		
						5.7.71	13.8.71		
						16.8.71	24.9.71		
						4.10.71	13.11.71		
	913650	Artificer Diver ..	PENGUIN ..	20	—	18.1.71	12.2.71	6–12	—
						12.7.71	6.8.71		
	953040	Patrol Boat ME ..	WATERHEN ..	5	E	8.2.71	12.2.71	Combined 4–8	Combines with 953050
						31.5.71	4.6.71		
						30.8.71	3.9.71		
						29.11.71	3.12.71		
	953050	Patrol Boat ERA ..	WATERHEN ..	10	E	8.2.71	19.2.71		Combines with 953040
						31.5.71	11.6.71		
						30.8.71	10.9.71		
						29.11.71	10.12.71		
Weapon Electrical Engineering Promotion	954950	CSAP	CERBERUS and WATSON	70	C	15.2.71	21.5.71	5–12	—
	954960	CSAW	CERBERUS ..	115	C	—	16.4.71	5–12	—
						15.3.71	10.9.71		
	954970	CSAC	CERBERUS ..	75	C	—	19.2.71	5–12	—
						15.3.71	16.7.71		
	954810	DE SAP ..	CERBERUS and WATSON	225 (max)	—	4.1.71	—	—	—
				35 (max)	—	5.7.71	—		
	954820	DE SAW ..	CERBERUS ..	225 (max)	—	4.1.71	—	—	—
						5.7.71	—		
	954830	DE SAC ..	CERBERUS ..	315 (max)	—	8.2.71	—	—	—
						2.8.71	—		
	914920	POEP	CERBERUS and PENGUIN	110 (includes 10 NBCD)	C	4.1.71	4.6.71	4–12	Courses commence CERBERUS and combine with 917910 for a total maximum of 16
						22.3.71	10.9.71		
						5.7.71	3.12.71		
	914930	POEWE	CERBERUS and PENGUIN	130 (includes 10 NBCD)	C	3.8.70	19.2.71	4–12	Courses commence CERBERUS
						8.2.71	27.8.71		
						2.8.71	18.2.72		
	914940	POEWR ..	CERBERUS and PENGUIN	155 (includes 10 NBCD)	B	20.7.70	12.3.71	4–12	Courses commence CERBERUS and combine with 917920 for a total maximum of 16
						4.1.71	27.8.71		
						26.4.71	17.12.71		
						5.7.71	25.2.72		
	914950	POEC	CERBERUS and PENGUIN	145 (includes 10 NBCD)	B	3.8.70	12.3.71	4–12	Courses commence CERBERUS
						8.2.71	17.9.71		
						2.8.71	10.3.72		
	914710	EMP	CERBERUS ..	160	—	—	14.5.71	8–16	—
						—	11.6.71		
						As required			

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Weapon Electrical Engineering Promotion—*continued*	914720	EMWE	CERBERUS ..	175	—	— — —	22.1.71 26.2.71 16.2.71	8–16	—
						As required			
	914730	EMWE	CERBERUS ..	200	—	—	30.7.71	8–16	—
						As required			
	914740	EMC	CERBERUS ..	200	—	— —	26.2.71 21.5.71	8–16	—
						As required			
Weapon Electrical Engineering PCT	914160	JDA, PAB ..	CERBERUS ..	10	E	10.5.71 30.8.71 8.11.71	21.5.71 10.9.71 19.11.71	–6	—
	914180	1FF10	CERBERUS ..	10	E	15.2.71 24.5.71 2.8.71 13.9.71 22.11.71 6.12.71	26.2.71 4.6.71 13.8.71 24.9.71 3.12.71 17.12.71	–6	—
	914200	Auto Telephone Exchange	CERBERUS ..	5	E	1.2.71 26.7.71	5.2.71 30.7.71	4–8	—
	914260	MK19 YRO ..	CERBERUS ..	20	E	18.1.71 15.3.71 12.7.71	12.2.71 9.4.71 6.8.71	4–8	—
	914280	PB EMC ..	CERBERUS ..	40	E	15.3.71 7.6.71	7.5.71 20.8.71	2–8	—
	914290	PB EMWE ..	CERBERUS ..	20	E	8.2.71 15.3.71 3.5.71	5.3.71 9.4.71 28.5.71	2–8	—
	914300	SONAR 170B/MM10	CERBERUS ..	20	E	1.3.71 12.7.71	26.3.71 6.8.71	4–8	—
	914320	SONAR 176 ..	CERBERUS ..	5	D	29.3.71 9.8.71	2.4.71 13.8.71	4–8	—
	964510	Introductory DIGITAL IKARA	CERBERUS ..	20	E	4.1.71 5.7.71	29.1.71 30.7.71	4–8	—
	914330	SONAR 177M ..	CERBERUS ..	30	D	18.1.71	26.2.71	4–8	—
	914380	IKARA, Magazine Assembly Room Launcher	CAC	25	D	18.1.71 19.7.71	19.2.71 20.8.71	2–6	—
	914430	EXDAK ..	RANITE ..	50	D	19.4.71 27.9.71	25.6.71 3.12.71	6	Confidential Navy Order 21/70 Paragraph 5
	914510	691/CUH ..	CERBERUS ..	5	E	29.3.71 12.7.71	2.4.71 16.7.71	6	—
	914530	RATT	CERBERUS ..	10	E	15.2.71 9.8.71	26.2.71 20.8.71	4–12	—
	914540	Teletype (excludes RATT)	CERBERUS ..	25	D	1.3.71 23.8.71	2.4.71 24.9.71	4–12	—
	914550	AN/URC-58 ..	CERBERUS ..	10	E	5.4.71 19.7.71	9.4.71 23.7.71	6	—
	914560	KG14	CERBERUS ..	35	D	15.2.71 26.7.71	2.4.71 10.9.71	4–8	954010 Prerequisite
	914570	AN/URT 23V ..	CERBERUS ..	15	E	8.2.71 13.9.71	26.2.71 1.10.71	4–12	—
	914580	AN/URR 1051B ..	CERBERUS ..	10	E	1.3.71 4.10.71	12.3.71 15.10.71	4–12	—
	964500	Sea Crypto Revision	CERBERUS ..	5	E	5.7.71	9.7.71	4–6	—
	914680	TOW(L) ..	CERBERUS ..	55	D	11.1.71 5.7.71 20.9.71	26.3.71 17.9.71 3.12.71	6–15	Combines with 913620, 917580 and 916220
	954000	KW26C	HARMAN ..	45	D	11.1.71 12.7.71	12.3.71 10.9.71	4–8	—
	954010	KW37R	CERBERUS ..	30	D	24.5.71 15.11.71	23.7.71 14.1.72	4–8	—
	954020	KW37T	HARMAN ..	10	E	5.4.71 13.9.71	16.4.71 24.9.71	4–8	954010 Prerequisite
	954030	KW7	CERBERUS ..	30	D	12.4.71 4.10.71	21.5.71 12.11.71	4–8	—
	954040	KL7	CERBERUS ..	5	E	5.4.71 27.9.71	9.4.71 1.10.71	4–8	—
	954050	BID610	HARMAN ..	10	E	3.5.71 27.9.71	14.5.71 8.9.71	4–8	—
	954130	692/3	CERBERUS ..	10	E	11.1.71 5.4.71 11.10.71	22.1.71 16.4.71 22.10.71	–6	—
	954260	4.5″ MK6 ..	CERBERUS ..	15	E	8.2.71 23.8.71	26.2.71 10.9.71	4–8	—
	954340	MRS3	CERBERUS ..	50	D	18.1.71 12.7.71	26.3.71 17.9.71	4–8	—
	954410	IKARA System ..	RANITE ..	20	E	7.6.71 15.11.71	2.7.71 10.12.71	–6	Confidential Navy Order 21/70 Paragraph 5

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Weapon Electrical Engineering PCT—*continued*	954420	Test Room ..	RANITE ..	25	D	8.2.71 19.7.71	12.3.71 20.8.71	–6	Confidential Navy Order 21/70 Paragraph 5
	954430	Attack Console ..	RANITE ..	40	D	19.5.71 18.10.71	2.7.71 19.12.71	–6	Confidential Navy Order 21/70 Paragraph 5
	954440	Data Processing F2/F3	RANITE ..	65	D	22.2.71 2.8.71	21.5.71 29.10.71	–6	Confidential Navy Order 21/70 Paragraph 5
	954450	Guidance ..	RANITE ..	50	D	8.2.71 19.7.71	16.4.71 24.9.71	–6	Confidential Navy Order 21/70 Paragraph 5
	964510	Introductory Digital (IKARA)	RANITE ..	10	D	8.2.71 26.4.71 19.7.71 4.10.71	19.2.71 7.5.71 30.7.71 15.10.71	–6	Confidential Navy Order 21/70 Paragraph 5
	954600	M22/M44 RADAR	CERBERUS ..	105	C	1.2.71	16.7.71	4–8	—
	954610	M22/M44 COMPUTER	CERBERUS ..	100	C	2.8.71	10.12.71	4–8	—
	954620	M22/M44 Acquaint	CERBERUS ..	15	E	11.1.71 19.7.71	29.1.71 6.8.71	4–8	—
	954630	SEACAT ..	CERBERUS ..	15	E	3.3.71 10.5.71 26.7.71 1.11.71	23.3.71 28.5.71 13.8.71 19.11.71	4–8	—
	964010	975	CERBERUS ..	5	E	26.4.71 9.8.71	30.4.71 13.8.71	–6	Prerequisite 10 days radar theory
	964080	903	CERBERUS ..	20	E	8.2.71 10.5.71	5.3.71 4.6.71	4–8	—
	964230	601/602/603 ..	CERBERUS ..	5	E	4.1.71 29.3.71 4.10.71	8.1.71 2.4.71 8.10.71	–6	—
	964240	B40/41/62B ..	CERBERUS ..	5	E	8.3.71 13.9.71 22.11.71	12.3.71 17.9.71 26.11.71	–6	—
	964270	277/293	CERBERUS ..	5	E	19.4.71 9.8.71 18.10.71	23.4.71 13.8.71 22.10.71	–6	—
	964280	978/JUA ..	CERBERUS ..	5	E	26.4.71 16.8.71 25.10.71	30.4.71 20.8.71 29.10.71	–6	—
	964300	AC Generation and Distribution	CERBERUS ..	10	E	18.1.71 12.7.71	29.1.71 23.7.71	4–8	—
	964350	AN/SLR2/AN/WLR3	CERBERUS ..	10	E	1.2.71 26.7.71	12.2.71 6.8.71	–6	—
	964410	AN/UPN-12C ..	CERBERUS ..	5	E	15.2.71 9.8.71	19.2.71 13.8.71	–6	—
	964420	FM12	CERBERUS ..	5	E	25.1.71 19.4.71 25.10.71	29.1.71 23.4.71 29.10.71	–6	—
	964440	DC Generation and Distribution	CERBERUS ..	10	E	18.1.71 12.7.71	29.1.71 23.7.71	4–8	—
	964460	GDS5	CERBERUS ..	30	D	29.3.71 20.9.71	7.5.71 29.10.71	4–8	—
	964490	JYA	CERBERUS ..	30	D	15.3.71	23.4.71	–6	—
	954470	IKARA Missile ..	RANAD KINGSWOOD	3	—	1.2.71 3.5.71 2.8.71 1.11.71	3.2.71 5.5.71 4.8.71 3.11.71	2–4	Applications to FOCEA
Naval Airmen Promotion	915960	POACM	ALBATROSS .. WATSON PENGUIN	115 (includes 10 NBCD)	C	TBD Programmed with Helo OFS		—	—
	915910	POAAH	ALBATROSS and PENGUIN	35 (includes 10 NBCD)	D	6.9.71	22.10.71	4–12	Commences PENGUIN
	915920	POAMET ..	ALBATROSS and PENGUIN	40 (includes 10 (NBCD	D	11.10.71	3.12.71	2	Commences PENGUIN
	915930	POAPHOT ..	ALBATROSS and PENGUIN	75 (includes 10 NBCD)	D	26.7.71	5.11.71	2–4	Commences PENGUIN
	915940	POASE	ALBATROSS and PENGUIN	45 (includes 10 NBCD)	D	29.3.71	28.5.71	2–4	Commences PENGUIN
	915710	NAAH	ALBATROSS and PENGUIN	30 (includes 5 NBCD)	—	4.1.71 19.4.71 12.7.71 1.11.71	12.2.71 28.5.71 20.8.71 10.12.71	4–12	Courses commence PENGUIN
	915720	NAMET ..	ALBATROSS PENGUIN and WATSON	70 (includes 5 NBCD 10 NAV YEO)	—	8.2.71 7.6.71	14.5.71 1.10.71	—	Courses combine with 907300. Commences WATSON Commences PENGUIN

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Naval Airmen Promotion—*continued*	915730	NAPHOT ..	ALBATROSS and PENGUIN	85 (includes 5 NBCD)	—	1.2.71	28.5.71	2–4	Commences PENGUIN
	915740	NASE	ALBATROSS and PENGUIN	65 (includes 5 NBCD)	—	4.1.71 5.7.71 20.9.71	2.4.71 1.10.71 17.12.71	4–6	Courses commence PENGUIN
Naval Airmen PCT	902310	MTD	ALBATROSS ..	30	D	11.1.71 22.2.71 13.4.71 5.7.71 16.8.71 4.10.71	19.2.71 3.4.71 24.5.71 13.8.71 24.9.71 13.11.71	4–12	Combined with 907730 WRANMTD
	915370	SAR Diver ..	ALBATROSS and PENGUIN	40	D	15.2.71 11.10.71	15.4.71 6.12.71	3–5	Courses commence PENGUIN
	903250	Combat Survival ..	RAAF AMBERLEY	14	E	5.1.71 2.2.71 9.3.71 13.4.71 18.5.71 29.6.71	19.1.71 16.2.71 23.3.71 27.4.71 1.6.71 13.7.71	—	10 RAN per course
Air Engineering Promotion	916940	MECHW ..	NIRIMBA ..	230	A	To be decided 18.1.71	10.12.71	4–12	—
	916930	MECHAE ..	NIRIMBA ..	230	A	18.1.71	10.12.71	4–12	—
	916910	POAMW ..	ALBATROSS and PENGUIN	145 (includes 10 NBCD)	B	8.3.71	21.10.71	4–12	Commences PENGUIN
	916920	POAMAE ..	ALBATROSS and PENGUIN	205 (includes 10 NBCD)	B	18.1.71	26.11.71	4–16	Commences ALBATROSS
	916810	LAMW	ALBATROSS ..	50	D	11.1.71	19.3.71	4–12	—
	916820	LAMAE ..	ALBATROSS ..	60	D	15.2.71 30.8.71	5.5.71 19.11.71	4–12	—
	916710	NAMW	ALBATROSS and PENGUIN	65 (includes 5 NBCD)	—	18.1.71 12.7.71	16.4.71 8.10.71	4–12	Courses commence PENGUIN
	916720	NAMAE ..	ALBATROSS and PENGUIN	60 (includes 5 NBCD)	—	26.10.70 18.1.71 29 3.71 12.7.71 13.9.71	12.2.71 8.4.71 9.7.71 1.10.71 3.12.71	4–12	Courses commence PENGUIN
Air Engineering PCT	916220	TOW	CERBERUS and ALBATROSS	50	D	19.7.71	24.9.71	2–6	Combines with 913620, 914680 and 917580. Commences CERBERUS
	916430	Skyhawk AMC (Senior)	ALBATROSS ..	30	D	30.8.71	8.10.71	4–12	—
		Skyhawk AMC (Junior)	ALBATROSS ..	20	E	22.2.71 13.4.71 12.7.71	19.3.71 11.5.71 6.8.71	4–12	—
	916440	Tracker AMC (Senior)	ALBATROSS ..	20	E	8.3.71	2.4.71	4–12	—
		Tracker AMC (Junior)	ALBATROSS ..	15	E	13.4.71 19.7.71 4.10.71	14.5.71 6.8.71 22.10.71	4–12	—
	916450	Iroquois AMC (Senior)	ALBATROSS ..	10	E	1.3.71	19.3.71	4–12	—
		Iroquois AMC (Junior)	ALBATROSS ..	8	E	25.1.71 12.7.71	3.2.71 21.7.71	4–12	—
	916460	Wessex AMC (Senior)	ALBATROSS ..	15	E	1.3.71	19.3.71	4–12	—
		Wessex AMC (Junior)	ALBATROSS ..	10	E	19.7.71 4.10.71	30.7.71 15.10.71	4–12	—
	917470	Advanced Air Engineering Administration	ALBATROSS ..	10	E	25.1.71 8.2.71 26.7.71 13.9.71 25.10.71 15.11.71	5.2.71 19.2.71 6.8.71 24.9.71 5.11.71 26.11.71	4–12	—
Air Electrical Promotion	917910	POEAW ..	CERBERUS ALBATROSS and PENGUIN	125 (includes 10 NBCD)	C	— 5.7.71	12.2.71 22.1.72	4–8	Commences CERBERUS. Combines with 914920 for a total max of 16
	917920	POEAC	CERBERUS ALBATROSS and PENGUIN	170 (includes 10 NBCD)	B	— 4.1.71 5.7.71	27.3.71 17.9.71 17.3.72	4–8	Commences CERBERUS. Combines with 914940 for a total max of 16
	917810	LEMAW ..	ALBATROSS ..	75	C	11.1.71 5.7.71	23.4.71 15.10.71	4–12	—
	917820	LEMAC ..	ALBATROSS ..	75	C	11.1.71 5.7.71	23.4.71 15.10.71	4–12	—

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Air Electrical Promotion—*continued*	917710	EMAW	ALBATROSS and PENGUIN	90 (includes 5 NBCD)	—	18.1.71 2.8.71	28.5.71 10.12.71	4–12	Commences PENGUIN Commences ALBATROSS
	917720	EMAC	ALBATROSS and PENGUIN	90 (includes 5 NBCD)	—	18.1.71 2.8.71	28.5.71 10.12.71	4–12	Commences PENGUIN Commences ALBATROSS
Air Electrical PCT	917480	Skyhawk A4G Air Weapons	ALBATROSS ..	35	D	26.4.71 18.10.71	11.6.71 3.12.71	4–12	—
	917490	Tracker S2E Aircraft Air Weapons	ALBATROSS ..	35	D	26.4.71 18.10.71	11.6.71 3.12.71	4–12	—
	917500	Wessex 31B Aircraft Air Weapons	ALBATROSS ..	30	D	26.4.71 18.10.71	4.6.71 26.11.71	4–12	—
	917520	Skyhawk A4G AIRCOMMS	ALBATROSS ..	35	D	26.4.71 18.10.71	11.6.71 3.12.71	4–12	—
	917530	Tracker S2E AIRCOMMS	ALBATROSS ..	50	D	26.4.71 18.10.71	23.7.71 14.1.72	4–12	—
	917540	Wessex 31B Aircraft AIRCOMMS	ALBATROSS ..	35	D	26.4.71 18.10.71	11.6.71 3.12.71	4–12	—
	917580	TOW (AL) ..	ALBATROSS and CERBERUS	50 (includes 10 ALBATROSS)	D	19.7.71	24.9.71	2–6	Combines with 913620, 914680 and 916220. Commences CERBERUS
Supply and Secretariat Promotion	919910	POWTR ..	CERBERUS and PENGUIN	25 (includes 10 NBCD)	E	22.2.71 2.8.71	26.3.71 3.9.71	Combined 5–8	Courses combine with 907970 POWRWTR and Commence CERBERUS
	919920	POCK	CERBERUS and PENGUIN	30 (includes 10 NBCD)	E	15.2.71 19.4.71 5.7.71 16.8.71 18.10.71	26.3.71 28.5.71 13.8.71 24.9.71 26.11.71	Combined 3–6	Courses combine with 907910 POWRCK and commences CERBERUS
	919930	POSTD	CERBERUS and PENGUIN	25 (includes 10 NBCD)	E	4.1.71 26.7.71	5.2.71 27.8.71	Combined 6–10	Courses combine with 907990 POWRSTD and commences CERBERUS
	919940	POSN	CERBERUS .. PENGUIN	25 (includes 10 NBCD)	E	22.2.71 5.7.71	26.3.71 6.8.71	4–10	Courses commence CERBERUS
	919950	POSV	CERBERUS .. PENGUIN	25 (includes 10 NBCD)	E	4.1.71 5.7.71	5.2.71 6.8.71	Combined 6–11	Courses commence CERBERUS, and combine with 907980 POWRSV
	919820	LCK	CERBERUS ..	20	E	4.1.71 18.1.71 1.2.71 5.4.71 3.5.71 17.5.71 19.7.71 2.8.71 4.10.71 8.11.71	29.1.71 12.2.71 26.2.71 30.4.71 28.5.71 11.6.71 13.8.71 27.8.71 29.10.71 3.12.71	Combined 3–6	Courses combine with 907810 LWRCK
	919710	WTR	CERBERUS .. HARMAN	85 (includes 5 NBCD 20 EDP)	—	4.11.70 4.1.71 15.2.71 29.3.71 17.5.71 16.8.71 20.9.71	19.3.71 30.4.71 11.6.71 13.8.71 1.10.71 10.12.71 4.2.72	6–9	Courses commence CERBERUS
	919720	CK	CERBERUS ..	85 (includes 5 NBCD)	—	17.8.70 12.10.70 9.11.70 18.1.71 15.2.71 5.4.71 3.5.71 12.7.71 9.8.71 27.9.71 1.11.71	31.1.71 3.3.71 30.3.71 14.5.71 11.6.71 20.8.71 17.9.71 5.11.71 3.12.71 11.2.72 17.3.72	7–10	—
	919730	STD	CERBERUS ..	30 (includes 5 NBCD)	—	18.1.71 15.2.71 29.3.71 10.5.71	26.2.71 26.3.71 7.5.71 18.6.71	6–10	—

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Supply and Secretariat Promotion—*continued*						5.7.71	13.8.71		
						16.8.71	24.9.71		
						27.9.71	5.11.71		
						1.11.71	10.12.71		
	919740	SAN	CERBERUS ..	40 (includes 5 NBCD)	—	4.1.71	26.2.71	6–10	—
						12.4.71	4.6.71		
						2.8.71	24.9.71		
						18.10.71	10.12.71		
	919750	SAV	CERBERUS ..	45 (includes 5 NBCD)	—	25.1.71	26.3.71	Combined 4–8	Courses combined with 907780 WRSAV
						29.3.71	28.5.71		
						26.7.71	24.9.71		
						27.9.71	26.11.71		
Musician Promotion	921990	CPO MUSN ..	CERBERUS ..	210	A	11.1.71	26.11.71	—	—
	921920	PO MUSN ..	CERBERUS and PENGUIN	120 (includes 10 NBCD)	C	6.7.70	20.1.71	2–4	—
						4.1.71	4.6.71		NBCD 12.7.71
						5.7.71	3.12.71		NBCD 10.1.72
Sick Berth Promotion	918910	POSBA	CERBERUS and PENGUIN	25 (includes 10 NBCD)	E	3.5.71	4.6.71	2–8	Courses Commence CERBERUS
						18.10.71	19.11.71		
	918710	SBA	CERBERUS ..	185 (includes 5 NBCD)	—	13.4.70	19.2.71	3–12	—
						6.7.70	14.5.71		
						21.9.70	30.7.71		
						15.2.71	19.11.71		
						10.5.71	3.3.72		
						23.8.71	26.5.72		
						15.7.71	8.9.72		
	918730	DA	CERBERUS ..	85	—	12.10.70	2.3.71	1–6	—
						8.3.71	23.7.71		
						2.8.71	26.11.71		
Sick Berth PCT	918200 918210	LAB Assistant	CERBERUS and PENGUIN Army Public Hospital	280 (includes 80 RAAMC 140 Public Hospital)	A	8.2.70	14.5.71	1–2	—
						8.2.70	25.6.71		
						25.10.70	24.12.71		8 SQs
						19.4.71	23.6.72		
						27.9.71	8.12.72		
	918220 918230	X-Ray Assistant	CERBERUS and PENGUIN Public Hospital	190 (includes 130 Public Hospital)	B	17.8.70	11.6.71	2	—
						8.2.71	19.11.71		8 SQs
						16.8.71	5.6.72		
	918240 918250	Operating Room Attendant	CERBERUS and PENGUIN Public Hospital	140 (includes 80 Public Hospital)	B	17.8.70	19.3.71	1–2	6 SQs
						8.2.71	20.9.71		
						16.8.71	24.3.72		
	918260	Aviation Medicine	ALBATROSS	130	C	8.2.71	3.9.71	1–2	1 SQ
	918270 918280	Advanced Nurse	CERBERUS and PENGUIN Public Hospital	190 (includes 130 Public Hospital)	B	18.5.70	19.3.71	1–2	3 SQs
						5.10.70	10.7.71		
						17.5.71	20.3.72		
						4.10.71	14.7.72		
	918300	MASSEUR ..	CERBERUS	190	B	3.8.70	TBD	1	2 SQs
						26.4.71	25.2.71		
						To be decided			
	918330	Underwater Medicine	PENGUIN ..	130	C	27.7.70	TBD	1–2	3 SQs
						18.1.71	23.8.71		
						16.8.71	6.3.72		
	918380 918390	Dispenser	CERBERUS .. PENGUIN	190	B	17.8.70	11.6.71	1+	6 SQs
						8.2.71	19.11.71		
						16.8.71	26.5.72		
Miscellaneous	902340	PO Leadership ..	CERBERUS ..	20	E	4.1.71	28.1.71		—
						8.2.71	5.3.71	—	
						15.3.71	9.4.71		
						19.4.71	14.5.71		
						17.5.71	11.6.71		
						To be decided			
	902350	IT	CERBERUS ..	10	E	4.1.71	15.1.71	8–16	—
						25.1.71	5.2.71		
						15.2.71	26.2.71		
						9.3.71	19.3.71		
						29.3.71	8.4.71		
						19.4.71	30.4.71		
						10.5.71	21.5.71		
						31.5.71	11.6.71		
						21.6.71	2.7.71		At LEEUWIN only
						26.7.71	6.8.71		
						16.8.71	27.8.71		
						6.9.71	17.9.71		
						27.9.71	8.10.71		
						18.10.71	29.10.71		
						8.11.71	19.11.71		
						29.11.71	10.12.71		
Career and PCT	903200	Ships Diver ..	PENGUIN ..	15	E	11.1.71	29.1.71	4–12	—
						18.1.71	5.2.71		
						8.2.71	26.2.71		
						15.2.71	5.3.71		
						8.3.71	26.3.71		

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
Career and PCT—*continued*						15.3.7'	2.4.71		
						3.5.71	21.5.71		
						10.5.71	28.5.71		
						19.7.71	6.8.71		
						26.7.71	13.8.71		
						16.8.71	3.9.71		
						23.8.71	10.9.71		
						13.9.71	1.10.71		
						11.10.71	29.10.71		
						18.10.71	5.11.71		
						8.11.71	26.11.71		
						15.11.71	3.12.71		
	902410	Advanced NBCD ..	PENGUIN ..	10	E	11.1.71	—	—	—
						25.1.71	—		
						8.2.71	—		
						1.3.71	—		
						8.3.71	—		
						15.3.71	—		
						22.3.71	—		
						29.3.71	—		
						19.4.71	—		
						26.4.71	—		
						3.5.71	—		
						24.5.71	—		
						12.7.71	—		
						19.7.71	—		
						26.7.71	—		
						2.8.71	—		
						9.8.71	—		
						16.8.71	—		
						23.8.71	—		
						30.8.71	—		
						6.9.71	—		
						20.9.71	—		
						11.10.71	—		
						25.10.71	—		
						8.11.71	—		
						22.11.71	—		
						29.11.71	—		
	902390	Standard NBCD ..	CERBERUS ..	5	—	—	—	—	Programmed weekly internally
	902400	Standard NBCD ..	PENGUIN ..	5	—	11.1.71	—	6–24	—
						18.1.71	—		
						25.1.71	—		Reserved NAAs
						1.2.71	—		Reserved NAAs
						8.2.71	—		Reserved NAAs
						15.2.71	—		
						22.2.71	—		
						1.3.71	—		
						15.3.71	—		
						22.3.71	—		
						5.4.71	—		
						19.4.71	—		
						26.4.71	—		
						3.5.71	—		
						10.5.71	—		
						17.5.71	—		
						31.5.71	—		
						1.6.71	—		
						8.6.71	—		
						5.7.71	—		
						12.7.71	—		
						19.7.71	—		Reserved NAAs
						26.7.71	—		Reserved NAAs
						2.8.71	—		Reserved NAAs
						9.8.71	—		Reserved NAAs
						16.8.71	—		
						23.8.71	—		
						6.9.71	—		
						13.9.71	—		
						20.9.71	—		
						4.10.71	—		
						11.10.71	—		
						18.10.71	—		
						1.11.71	—		
						8.11.71	—		
						13.12.71	—		
	902500	SGCE Preparatory	LEEUWIN ..	95	C	11.1.71	24.5.71	—	—
						12.7.71	22.11.71		
	902510	Matriculation Preparatory	LEEUWIN ..	18 months	A	12.7.71	8.12.72	—	—

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
RANR ACTs	NN	POMS	WATSON/Sea ..	13	—	15.2.71 8.11.71	26.2.71 19.11.71	1–20	Sea 22–26 February Sea 15–19 November
		POQMG.. ..	CERBERUS ..	13	—	15.2.71 18.10.71	26.2.71 26.10.71	4–10	—
		CY	CERBERUS ..	13	—	17.5.71 16.8.71	28.5.71 27.8.71	3–10	—
		RS	CERBERUS ..	13	—	17.5.71 16.8.71	28.5.71 27.8.71	3–10	—
		ABMS	WATSON/Sea ..	13	—	15.2.71 8.11.71	26.2.71 19.11.71	1–20	Sea 22–26 February Sea 15–19 February
		ABRP	WATSON ..	13	—	19.7.71 22.11.71	30.7.71 3.12.71	1–9	—
		Divers	PENGUIN ..	13	—	22.3.71 24.5.71 20.9.71 22.11.71	2.4.71 4.6.71 1.10.71 3.12.71	4–12	—
		ABQMG Phase 2 ..	CERBERUS ..	13	—	10.5.71 19.11.71	21.5.71 10.12.71	4–10	—
		TPOP	CERBERUS ..	13	—	31.5.71 30.8.71	11.6.71 10.9.71	3–10	—
		Signalman ..	CERBERUS ..	13	—	31.5.71 30.8.71	11.6.71 10.9.71	3–10	—
		RO	CERBERUS ..	13	—	31.5.71 30.8.71	11.6.71 10.9.71	3–10	—
		ME	CERBERUS ..	13	—	TBD		—	—
		SAP1	CERBERUS ..	13	—	8.2.71	20.2.71	2–8	—
		SAC1	CERBERUS ..	13	—	22.2.71	6.3.71	2–8	—
		OA1	CERBERUS ..	13	—	22.2.71	6.3.71	2–8	—
		SAP2	CERBERUS ..	13	—	2.8.71	14.8.71	2–8	—
		SAC2	CERBERUS ..	13	—	6.9.71	18.9.71	2–8	—
		OA2	CERBERUS ..	13	—	16.8.71	28.8.71	2–8	—
		EMP	CERBERUS ..	13	—	4.1.71 5.7.71	16.1.71 17.7.71	2–8	—
		EMP Revision ..	CERBERUS ..	13	—	18.1.71 19.7.71	30.1.71 31.7.71	2–8	—
		EMC	CERBERUS ..	13	—	8.2.71 2.8.71	20.2.71 14.8.71	2–8	—
		SAP Patrol Boat ..	CERBERUS ..	13	—	19.4.71 11.10.71	1.5.71 23.10.71	2–8	—
		EMC/SAC Patrol Boat	CERBERUS ..	13	—	19.4.71 5.7.71 27.9.71	1.5.71 17.7.71 9.10.71	2–8	—
		EMP Patrol Boat ..	CERBERUS ..	13	—	15.3.71 3.5.71 6.9.71	27.3.71 15.5.71 18.9.71	2–8	—
		EMC Revision ..	CERBERUS ..	13	—	15.3.71 16.8.71	27.3.71 28.8.71	2–8	—
		POSV	CERBERUS ..	13	—	6.9.71	18.9.71	2–12	—
		LSAV	CERBERUS ..	13	—	6.9.71	18.9.71	2–12	—
		POSN	CERBERUS ..	13	—	6.9.71	18.9.71	2–12	—
		LSAN	CERBERUS ..	13	—	6.9.71	18.9.71	2–12	—
		POWTR ..	CERBERUS ..	13	—	13.9.71	25.9.71	2–12	—
		LWTR	CERBERUS ..	13	—	6.9.71	18.9.71	2–12	—
		POSTD	CERBERUS ..	13	—	4.10.71	16.10.71	2–12	—
		LSTD	CERBERUS ..	13	—	18.10.71	30.10.71	2–12	—
WRANS New Entry	907700	Recruit Part 1 ..	CERBERUS ..	22	—	12.1.71 23.2.71 30.3.71 18.5.71 13.7.71 24.8.71 5.10.71 9.11.71	13.2.71 26.3.71 7.5.71 18.6.71 13.8.71 24.9.71 5.11.71 10.12.71	20–40	—
WRANS Promotion	907910	POWRCK ..	CERBERUS ..	20	E	15.2.71 5.7.71	12.3.71 30.7.71	Combined 3–6	Courses combine with 919920 POCK
	907920	POWRRP ..	WATSON ..	40	D	Join PORPs as required with 919950		—	—
	907930	WRRST ..	CERBERUS ..	45 (includes IT)	D	22.2.71 23.8.71	30.4.71 29.10.71	3–10	—
	937940	WRRSM ..	HARMAN DSD	45 (includes 5 DSD)	D	1.3.71 18.10.71	7.5.71 17.12.71	3–10	Courses commence HARMAN
	907960	POWRSBA ..	CERBERUS ..	15	E	3.5.71 18.10.71	21.5.71 5.11.71	1–4	—
	907970	POWRWTR ..	CERBERUS ..	15	E	22.2.71 2.8.71	12.3.71 20.8.71	Combined 4–10	Courses combine with 919910 POWTR
	907980	POWRSV ..	CERBERUS ..	15	E	4.1.71 5.7.71	22.1.71 23.7.71	Combined 4–10	Courses combine with 919950 POSV

Branch or Group	EDP No	Course	Location	Duration in Days	Re-engagement Category	Start Date	Completion Date	Min/Max Nos	Remarks
WRANS Promotion—*continued*	907990	POWRSTD ..	CERBERUS ..	15	E	4.1.71	22.1.71	Combined	Courses combine
						26.7.71	13.8.71	4–10	with 919930 POWTR
	907810	LWRCK.. ..	CERBERUS ..	20	E	4.1.71	29.1.71	Combined	Courses combine
						18.1.71	12.2.71	7–10	with 919820 LCK
						2.2.71	26.2.71		
						5.4.71	30.4.71		
						3.5.71	28.5.71		
						17.5.71	11.6.71		
						19.7.71	13.8.71		
						2.8.71	27.8.71		
						4.10.71	29.10.71		
						8.11.71	3.12.71		
	907820	LWRRP ..	WATSON ..	40	—	8.2.71	2.4.71	4–6	—
						23.8.71	15.10.71		
	907830	LWRREG ..	CERBERUS ..	65	D	26.4.71	13.8.71	4–8	—
	907710	WRCK	CERBERUS ..	40	—	15.2.71	9.4.71	7–10	—
						16.8.71	8.10.71		
	907720	WRRP	WATSON ..	30	—	11.1.71	19.2.71	4–6	—
						3.5.71	11.6.71		
						12.7.71	20.8.71		
						1.11.71	10.12.71		
	907730	WRMTD ..	ALBATROSS ..	30	—	11.1.71	19.2.71	Combined	Combined with
						22.2.71	3.4.71	4–12	902310
						13.4.71	24.5.71		
						5.7.71	13.8.71		
						16.8.71	24.9.71		
						4.10.71	13.11.71		
	907750	WRWTRST ..	CERBERUS ..	40	—	29.3.71	21.5.71	—	—
						16.8.71	8.10.71		
						27.9.71	19.11.71		
	907760	WRSBA SECT1PT2	CERBERUS ..	60	—	15.2.71	7.5.71	3–20	—
						10.5.71	20.8.71		
						23.8.71	12.11.71		
						15.11.71	25.2.72		

	937760	WRSBA SECT2PT2	CERBERUS ..	60	—	28.9.70	22.1.71	3–20	—
						18.1.71	16.4.71		
						10.5.71	20.8.71		
						23.8.71	12.11.71		
						15.11.71	25.2.72		
	907770	WRWTR ..	CERBERUS ..	40	—	15.2.71	9.4.71	4–6	—
						29.3.71	21.5.71		
						17.5.71	30.7.71		
						16.8.71	8.10.71		
						27.9.71	19.11.71		
	907780	WRSAV ..	CERBERUS ..	25	—	29.3.71	30.4.71	2–4	—
						27.9.71	29.10.71		
	907790	WRSTD ..	CERBERUS ..	40	—	18.1.71	12.3.71	3–6	—
						29.3.71	21.5.71		
						17.5.71	30.7.71		
						5.7.71	27.8.71		
						16.8.71	8.10.71		
						27.9.71	19.11.71		
						8.11.71	21.1.72		
	937710	WRRO Section A..	CERBERUS ..	30	—	4.1.71	12.2.71	4–16	—
						15.2.71	26.3.71		
						29.3.71	7.5.71		
						10.5.71	18.6.71		
						5.7.71	13.8.71		
						16.8.71	23.9.71		
						27.9.71	12.11.71		
						15.11.71	14.1.72		
	937730	WRROT.. ..	CERBERUS ..	50	—	4.11.70	4.2.71	4–12	—
						4.1.71	12.3.71		
						15.2.71	23.4.71		
						29.3.71	4.6.71		
						10.5.71	6.8.71		
						5.7.71	10.9.71		
						16.8.71	29.10.71		
						27.9.71	10.12.71		
						15.11.71	11.2.72		
	937740	WRROM ..	HARMAN ..	105	—	19.8.70	12.2.71	4–10	—
						30.9.70	19.3.71		
						4.11.70	23.4.71		
						11.1.71	16.6.71		
						31.3.71	20.9.71		
						12.5.71	28.10.71		
						18.8.71	10.2.72		
						29.9.71	21.3.72		
						19.1.72	19.6.72		

Branch or Group	*EDP No*	*Course*	*Location*	*Duration in Days*	*Re-engagement Category*	*Start Date*	*Completion Date*	*Min/Max Nos*	*Remarks*
WRANS Promotion—*continued*	947700	OTC SUPPLY ..	CERBERUS ..	20	—	10.5.71 15.11.71	4.6.71 10.12.71	3–8	—
	947710	OTC COMMS PT1	CERBERUS ..	10	—	4.1.71 5.7.71	15.1.71 16.7.71	3–8	—
		OTC COMMS PT2	CERBERUS ..	10	—	12.4.71 11.10.71	23.4.71 22.10.71	—	—
	947720	OTC ADMIN ..	CERBERUS ..	40	—	18.1.71 19.7.71	4.4.71 1.10.71	3–8	—
	907510	OTC NBCD and First Aid	CERBERUS ..	5	—	5.4.71 4.10.71	9.4.71 8.10.71	3–8	—
	907500	OTC COMMS ..	CERBERUS ..	25	—	27.4.71 25.10.71	28.5.71 26.11.71	—	—
	907330	NCS Plotting ..	WATSON ..	30	—	As required		4–6	—
	907300	NAVYEOMAN ..	WATSON ..	20	—	8.2.71 5.7.71	5.3.71 30.7.71	2–8	Courses combine with 915720 NAMET

(312/21/118 D of T)

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HISTORIAN

ANOs 569/70-578/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
4 December 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

25181/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

569/70—Interdepartmental Oceanographic Meetings

1. Interdepartmental meetings between representatives of Departments of National Development, Navy and CSIRO agreed that there is a need for a national body to foster oceanography and that the aim should be the establishment of:

a. a high level advisory body representing governmental organisations with significant interests in oceanography; suggested title 'National Advisory Committee on Oceanography' (NACO); and

b. a supporting Technical Committee consisting of representatives from governmental and academic organisations engaged in oceanographic research; suggested title 'Technical Committee on Oceanography' (TCO).

3. Approval has been given to the setting up of the Technical Committee on the following basis:

a. **Composition**

In addition to the Chairman, up to two representatives will be provided by the following organisations:

Department of the Navy (representatives, Hydrographer and DSS)

Department of National Development (provides the Chairman)

CSIRO

Department of Supply

Department of the Interior

Department of Shipping and Transport

Australian Vice-Chancellors Committee

Australian Museums.

Each delegation may be accompanied by advisers as required.

b. **Functions**

(1) to collect details of the programmes of all hydrographic, oceanographic and other ships likely to provide assistance in Australian oceanographic studies. These are to include Navy hydrographic and research vessels, government oceanographic charter vessels, foreign oceanographic vessels, and vessels of mineral exploration companies;

(2) to assemble and disseminate all oceanographic programmes including triennial programmes where possible;

(3) to accept and consider requests for ship time from oceanographic groups working within Australia;

(4) to recommend apportionment of ship time among contenders so that the best national return is derived from the effort expended.

4. The first meeting of the TCO was held on 18 April 1967. Action has been taken to publicise the formation of the TCO in various journals, and copies of a publicity statement (Annex A) and of an Oceanographic Project Information Sheet (Annex B) have been forwarded to overseas Oceanographic Institutions.

5. A further notification regarding the establishment of the National Advisory Committee on Oceanography will be made when it is formed. In the meantime inter-departmental discussions on oceanography will continue to be held when necessary.

6. Navy Order 533/67 is hereby cancelled.

ANNEX A

Co-ordination of Oceanographic Work in the Australian Region—Technical Committee on Oceanography

1. The increased interest shown by governmental and academic groups in oceanographic work in Australia has underlined the need for co-operation between the various groups. Ship time for scientific work in the Australian region is mainly provided by the Royal Australian Navy and the allocation of the available ship time between oceanographic groups in the best national interest has become increasingly difficult for the Department of the Navy.

2. This has lead to the setting up of a Technical Committee on Oceanography whose prime function will be to assess the various requests for ship time and to advise the Department of the Navy on the optimum allocation. Represented on the Committee are the Departments of the Navy, National Development (Bureau of Mineral Resources), Interior (Bureau of Meteorology), Shipping and Transport, and External Affairs; the Commonwealth Scientific and Industrial Research Organisation (Division of Fisheries and Oceanography); and the Australian Vice-Chancellors Committee, Representation may be extended later to other bodies interested in oceanography.

3. The Committee will also seek to assist in the co-ordination of oceanographic work on other than naval ships. Oceanographic vessels in the Australian region, both Australian and foreign, are sometimes in a position to offer facilities to Australian workers and it is hoped that such offers will come to be channelled through the Committee to ensure the best use is made of the facilities available.

4. The Technical Committee aims to collect and disseminate data on the programmes of all oceanographic ships likely to undertake oceanographic studies in the Australian region and on the programmes of oceanographic groups in Australia. This will assist Australian groups in formulating their requests, and on the basis of this information, the Committee will recommend to the Department of the Navy the best allocation of available time on Naval vessels and will assist in the co-ordination of work on other than Naval ships.

5. Oceanographic groups in Australia are being asked to provide information and requests to the Committee through their representatives. Overseas organisations are cordially invited to forward details of their programmes in areas of oceanographic interest to Australia so that the Committee may assist in the dissemination of this information and in possible co-ordination of oceanographic work. Correspondence should be addressed either to the Committee members who will forward it to the Chairman, or directly to Dr N. H. Fisher, Chairman, Technical Committee on Oceanography, c/o Bureau of Mineral Resources, Box 378, Canberra City, ACT 2601, Australia.

ANNEX B

Oceanographic Project Information Sheet

(Intended to provide information on forthcoming oceanographic cruises in Australian waters)

1. Originator
2. Organisation undertaking project
3. Source of information
4. Vessel, including description
5. Outline of project including main objectives, track, dates, station spacing and station time
6. Equipment carried and capability
   (a) Seismic equipment
   (b) Magnetometer
   (c) Gravimeter
   (d) PDR
   (e) Winches
   (f) Navigation aids
   (g) Additional items
7. Availability of berths for Australian workers and types of work that can be undertaken
8. Project leader(s) and staff
9. Additional information, including co-operating organisations, others interested.

To be forwarded to the Chairman, Technical Committee on Oceanography, Bureau of Mineral Resources, PO Box 378, Canberra City, ACT 2601.

(161/1/249 DSS)

(Navy Order 533/67)

RESTRICTED

570/70—Salvage of Ditched Helicopters

1. Emergency flotation gear, if fitted, provides a helicopter with additional buoyancy on ditching, giving the crew maximum escape facilities and enables salvage operations to be carried out. In the case of the Wessex, the equipment includes a permanently inflated float secured by ropes within the tail cone, and an inflatable float unit installed on each main wheel axle. The main wheel floats are automatically inflated on ditching by cool gas generators, one being mounted in-board of each main wheel axle. The generators are activated by a salt water sensitive submersion actuator on each unit when either becomes immersed on ditching. Other helicopters may have similar systems which are designed to provide the helicopter with positive buoyancy.

Function of Flotation Equipment

2. The primary function of the Emergency Flotation equipment is to keep the helicopter afloat long enough for the crew to escape. The next most important function is to permit salvage of the aircraft so that accident investigation can determine the cause of the failure which resulted in the aircraft ditching. It is stressed that, once the

aircrew have been saved, salvage of the aircraft should not be attempted if any serious risk to personnel is likely to result and except for the rescue of injured occupants, no person should enter the aircraft until it is adequately supported. If the aircraft can be recovered and repaired or partially salvaged, this is a bonus, and if salvage is attempted, little consideration need be given to causing damage as in most cases this will be minor structural damage which must be accepted in the interest of recovering the aircraft for accident investigation.

3. The airframe is manufactured primarily of aluminium and magnesium alloys. When immersed in sea water some airframe components will be corroded at a very rapid rate. If the aircraft were to be repaired, it would be necessary to remove it from the water and take necessary anti-corrosion measures within two hours of entry.

4. Once in the water, and if the flotation bags have inflated correctly, the Wessex will float with the cabin floor about 12 inches below water level. Experience both in the RAN and RN has indicated that the aircraft will remain upright in heavy sea states as long as the three bags remain inflated.

Helicopter Recovery

5. In order to lift a helicopter completely from the water it would be necessary to have a high capacity crane. It is also necessary that special lifting equipment and a certain amount of expert knowledge is available. Recovery could only be achieved if an aircraft carrier or large ship were available or if the aircraft could be towed to a crane with sufficient lifting capacity.

6. Where it is possible to lift the aircraft onto a flight deck the following points are relevant:

a. The rotor blades should not be folded while the aircraft is in the water. This action takes time and may shift the centre of gravity too far aft. It is better to concentrate on getting the aircraft out of the water, accepting any damage to the blades which may result.

b. As the aircraft is raised from the water it will contain water which will run into the tail pylon and thus upset the equilibrium of the aircraft.

c. The flotation bags are made of reinforced rubberised fabric. If punctured, the aircraft will roll over and make recovery much more difficult. With sea motion the bags will not last indefinitely and the possibility of a bag bursting or coming adrift should be borne in mind during salvage operations.

d. Great care should be taken not to puncture a bag by ramming it with a seaboat or a sharp object during the salvage operation.

e. In the case of the Wessex, experience has shown that if the tail bag bursts, the aircraft will become fully immersed in a near inverted attitude with the nose of the aircraft approximately 45° past the vertical. Under these circumstances, only the wheel bags will protrude above the surface.

f. If one of the Wessex wheel bags bursts or becomes detached, the aircraft will roll over past the horizontal and become fully immersed with the possible exception of the tail rotor. If more than one bag bursts the aircraft will sink.

Helicopter Salvage

7. The helicopter may ditch in a position or at a time when no ship or crane is available to salvage the aircraft. Under these circumstances the first consideration should be the recovery of the crew. When this has been effected the next consideration should be the best means of keeping the aircraft afloat so that the cause of the ditching can be investigated and if possible some components salvaged.

8. The best course of action will depend on circumstances such as distance from shore, availability of a crane, sea state, weather, time of day, operational situation, etc, but the following action, in order of priority, should be taken:

a. Provide additional buoyancy to ensure aircraft does not sink. Do not attempt to fold the rotor blades as this action will result in wasting time and upsetting the balance (trim) of the aircraft. In any case, special tools are required which would not normally be available.

b. Seek the assistance of an aviation specialist and the assistance of ship fitted with a suitable crane and slinging equipment. When within help range, NAS Nowra can provide assistance and slinging equipment.

c. Having carried out a, and if no assistance can be provided, two alternatives are available. The aircraft can either be secured alongside by suitable aircraft strong points, or towed ashore.

9. Whatever action is taken the protracted immersion in sea water will most probably result in the aircraft being a total loss. Maximum consideration should therefore be given to salvaging components for accident investigation purposes. Structural damage to the airframe caused by the salvage operation must be accepted.

Additional Buoyancy

10. Additional buoyancy can be provided by inserting buoyant items inside the cockpit and cabin. Four modified mine lifting bags have been supplied to RAN Air Station Nowra for use as flotation bags to assist with the salvage of ditched helicopters.

11. These bags are primarily intended to augment existing flotation equipment. Whilst not suitable for recovery of helicopters from substantial depths of water the bags can be used for recovery from depths of about 100 feet or less.

Operating Instructions for Modified Mine Lifting Bag

12. a. On receipt of equipment charge air cylinder to 1,300 PSI and check security of all connections.

b. Place flotation bag in cockpit cabin or attach to external hoisting or picketing point.

c. Remove valise securing pin.

d. Open air cylinder control to inflate bag.

e. During inflation adjust position of bag as required.

13. If inflatable liferafts are used, they should be inserted prior to inflation and used in sufficient quantity to make them semi-rigid inside the aircraft structure. If the aircraft is inverted following the loss of one bag, it may be too late to insert items inside the cabin. Under these circumstances attempts should be made to secure the aircraft alongside (*see* Paragraph 15).

Towing

14. Under suitable conditions, when a recovery cannot be effected, it may be possible to tow the aircraft to a shore crane, or to a place where it can be beached. If such an attempt is made the best methods are:

a. Tail first from the tail wheel structure.

b. Nose first from a strop passed under the aircraft through both main oleo or cross-tube structures.

c. If the aircraft is inverted a tow would probably be unsuccessful. The best course of action under these circumstances would be to attempt to secure the aircraft alongside (*see* Paragraph 15).

Note: Speed of tow must be restricted as a strong possibility of bursting flotation bags exists.

Securing the Helicopter Alongside

15. The practicability of securing a ditched helicopter alongside a ship is open to dispute as it has not yet been attempted. However, it is considered that it would be possible to salvage essential evidence for accident investigation by attempting this course of action. Obviously the airframe would suffer considerable damage during the evolution, and the ships side may lose some paint but under suitable sea conditions it is considered that the scheme would be feasible.

16. The best means of attaching the helicopter to a ship is by a wire strop placed around the rotor head. Once alongside, the helicopter should be lifted by leading a strong wire rope from the strop to the most powerful winch available. Under most circumstances the best area would be alongside the forecastle where the capstan could be used. Heeling the ship slightly may assist this evolution.

17. It would obviously not be possible to lift the helicopter clear of the water. The aim should be to hoist it high enough in the water to prevent excessive buffeting, and to attach additional securing lines to suitable strong points on the aircraft.

18. The best points for securing the aircraft alongside are:

a. Rotor head.
b. Main wheel structure.
c. Through engine structure.
d. Tail wheel.
e. Through the cabin.
f. Tail rotor shaft.

Once secured and raised as high as possible, the ship would proceed at slow speed to the most suitable place for landing the helicopter.

19. Navy Order 476/67 is hereby cancelled.

(1362/201/36 DNAP)

(*Navy Order 476/67*)

Section 2

PERSONNEL

UNCLASSIFIED

571/70—Eastern Orthodox Denomination Holy Days, 1971

1. Subject to the exigencies of the Service, leave of absence may be granted to Royal Australian Naval personnel belonging to the Eastern Orthodox Denomination who may desire to observe the following Holy Days in 1971, in lieu of those observed by the other Christian Denominations:

Christmas Day	7 January 1971
Good Friday	16 April 1971
Easter	18 April 1971
Easter Monday	19 April 1971

(323/1/24 HPB)

UNCLASSIFIED

572/70—Life Assurance Policies—Extra Premiums for Aviation Risk

1. The following information is promulgated for the guidance of flying personnel.

2. The Life Offices Association for Australasia has advised that the member offices have agreed to a reduced scale of extra premiums to cover Aviation and war risks for Service members as follows:

Pilots	*Annual Extra Premiums for $1,000 Sum Assured initially at risk* $
All ranks (including Trainees) up to and including Sub-Lieutenant	10.00
Lieutenant	6.00
Lieutenant-Commander and Commander	4.00
Other Aircrew	
All ranks (including sailors and Trainees) up to and including Sub-Lieutenant	7.50
Lieutenant	2.50

These premiums do not reduce with promotion but continue at the initial figure for the periods prescribed.

3. In respect of the above it should be noted that:

a. The Life Offices are prepared to consider granting full aviation cover without extra for ranks not listed.
b. If premiums are payable more frequently than yearly a member office may increase them by a small percentage.
c. Whilst the scale is recommended to member offices an individual office is at liberty to quote different premiums to the above, particularly to take account of its treatment of war risks generally.
d. The extensions of aviation cover secured by payment of these premiums will not necessarily apply to such special additional benefits as those payable on accidental death or disablement.
e. In the case of a flying Service member posted for active service in a combat area in which hostilities are taking place a member office will usually quote a higher rate of extra premiums for the risk involved rather than issue a policy with the above scale of extra premiums or waive an aviation and/or war clause in respect of an existing policy.

4. The extra premiums at Paragraph 2 are payable on the following policies for the periods indicated:

Whole of Life Policies ..	10 years or two-thirds the premium paying term, whichever is the lower.
Endowment Assurance Policies and Decreasing Term Assurances ..	10 years or half the premium paying term, whichever is the lower.
Level Temporary Assurances ..	10 years or the full premium paying term, whichever is the lower.

Note: Fractional periods no not apply.

5. In addition to war risk these policies now cover any post service licensed civilian flying.

6. Each member office reserves the right to determine in each instance whether it will accept a proposal for a new policy or waive an aviation and/or war clause in respect of an existing policy, and also to determine the upper limit of the amount assured under any policy under which full cover is to be granted.

7. A list of members of the Life Offices Association of Australasia is attached at Annex A.

8. Members of the RAN concerned in this matter are recommended to ascertain in writing from their insurers the effect of the above provisions on existing policies.

9. This order will be reprinted for posting on notice boards.

ANNEX A

Member Offices

Australasian T and G Mutual Life Assurance Society Ltd, The
Australian Metropolitan Life Assurance Co Ltd*
Australian Mutual Provident Society
Australian Provincial Assurance Association Ltd, The
Business Mens Assurance Company of Australia Ltd*
City Mutual Life Assurance Society Ltd, The*
Colonial Mutual Life Assurance Society Ltd, The
Dominion Life Assurance Office of New Zealand Ltd, The†
Equitable Life and General Insurance Co Ltd*
Friends Provident and Century Life Office*
Legal and General Assurance Society Ltd*
Mutual Life and Citizens Assurance Co Ltd, The
National Mutual Life Association of Australasia Ltd, The
Norwich Union Life Insurance Society
Phoenix Life Assurance Co of Australia Ltd*
Producers and Citizens Life Insurance Co Ltd
Provident Life Assurance Co Ltd, The†
Prudential Assurance Co Ltd, The
Royal-Globe Life Assurance Co Ltd
Scottish Amicable Life Assurance Society*
Security Life Assurances Limited*
South British United Life Assurance Co Ltd*
Switzerland Life Assurance Society Ltd*
Underwriting and Insurance Ltd*
Unity Life Assurance Ltd*

* Operating in Australia only.
† Operating in New Zealand only.

(271/1/76 HPB)

UNCLASSIFIED

573/70—Scale of Fees for Dental Treatment by Civilian Dentists

Navy Order 406/70 is to be amended as follows:

Paragraph 4a (3)

delete existing fee of $6.60 and *insert* $8.00

and *add* to **Paragraph 4a** the following:

	Item	*Fee*
4a (5)	Consultation and Examination of members stationed in outlying areas	$3.35
4a (6)	Examination of families prior to movement overseas	$3.35

2. These fees are operative on and from 1 July 1970.

(327/61/26 MDG)

(*Navy Order 406/70*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

574/70—Alteration and Addition Item—HMA Daring Class Destroyers

The following Alteration and Addition Item is approved for Daring Class Destroyers:

Class List Item No 71 (Ex TDL 'NDAA').

Item: 'To fit a ½ inch bore drain from the 5 inch bore main steam cross connection valve MS 5 in "A" Engine Room. A flanged connection is to be provided at the existing drain boss on MS 5 for a suitable isolating valve and the drain is to be led to the HP drain collector through a Clam 1500N steam trap fitted with a ⅜ inch by-pass valve.

(1215/51/120 DFM)

UNCLASSIFIED

575/70—Mortar—A/S Mortar Mark 10—Introduction of Barrel Mark 2 Mod 0 Assembly—Deferment

1. *Information* .. Navy Order 386/70 introduced the A/S Mortar Mark 10 Barrel Mark 2 Mod 0 Assembly into service. It has been decided that introduction of this assembly will be deferred at least until the RAN Modernisation programme trials have been conducted.

2. *Action Required* .. The requirements of Navy Order 386/70 are to be deferred for an indefinite period. Further instructions will be promulgated in due course.

(707/51/156 DAS)

(*Navy Order 386/70*)

UNCLASSIFIED

576/70—Naval Stores—(General)—Introduction and Allowances Teletype Tape Winders

1. Additional teletype tape winders and reels detailed hereunder, acquired to fulfil requirements arising from implementation of multi-channel fits and expansion of RAN tape relay facilities, are listed in relevant priority of issue to HMA ships and establishments:

Equipment	*D of Q*	*Group/Class/Cat No*
1. Tapewinder, Teletype TW-18	No	5815-66-035-9492
2. Reel	No	5815-00-053-3105
3. Reel	No	5815-00-594-9050

	Tape Winder 5815-66-035-9492	*Reel* 5815-00-053-3105	*Reel* 5815-00-594-9050
Establishments			
HMAS HARMAN	19	38	38
HMAS COONAWARRA	20	40	40
HMAS KUTTABUL	18	36	36
HMAS TARANGAU	4	8	8
RANAS NOWRA	4	8	8
HMAS LEEUWIN	4	8	8
Ships—Priority I			
HMAS MELBOURNE	4	8	8
HMAS SYDNEY	2	4	4
HMAS BRISBANE	1	2	2
HMAS HOBART	1	2	2
HMAS DUCHESS	1	2	2
HMAS PARRAMATTA	1	2	2
HMAS STUART	1	2	2
HMAS DERWENT	1	2	2
HMAS SWAN	1	2	2
HMAS TORRENS	1	2	2
HMAS ANZAC	1	2	2
HMAS QUEEN-BOROUGH	1	2	2
Ships—Priority II			
HMAS SUPPLY	2	4	4
HMAS STALWART	2	4	4
HMAS PERTH	1	2	2
HMAS VAMPIRE	1	2	2
HMAS VENDETTA	1	2	2
HMAS YARRA	1	2	2
HMAS MORESBY	1	2	2

2. Fitting of tape winders in HMA ships will be effected by General Manager, Garden Island Dockyard/General Manager, Williamstown Dockyard, as ships become available and by ships staff in shore establishments.

3. Items will be supplied by SNSO without demand as stores become available. As supply is likely to be protracted hastening action is not to be taken.

4. Updated 'as fitted' drawings are to be forwarded to Navy Office as soon as possible after completion.

(519/57/273 DSUS)

RESTRICTED

577/70—Oil Fuel Lighter 1207—Deployment to Darwin

1. OFL 1207 has been deployed to Darwin for use in fuelling RAN ships including HMA Ships MELBOURNE and SYDNEY.

2. The oil fuel lighter has a capacity of 925 tons of FFO and 275 tons DIESO which can be supplied at the rate of 250 tons per hour and 50 tons per hour, respectively.

(1211/51/667 D of O)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

578/70—Responsibility for Supply and Maintenance of Furniture and Fittings and Electrical and Mechanical Installations in Shore Establishments

1. Following investigations into a fire which caused extensive damage at a Naval establishment, it has been brought to notice that existing Regulations and Instructions do not clearly define the responsibility for supply and maintenance of furniture and fittings in uniformed shore establishments.

2. Annex A to this Navy Order lists those items of furniture and fittings in respect of which the Department of Works is responsible for supply and maintenance in uniformed shore establishments and Annex B lists those items in respect of which the Department of Navy is responsible.

3. Certain items similar to those for which Department of Works is responsible are carried in Naval stocks for issue to HMA ships. In the past, instances have occurred where issues of these items have been made to shore establishments. Such issues will not be authorised in future, except as allowed by Paragraphs 4 and 5.

4. It is normal procedure for items which are declared obsolete in the RAN to be offered to shore establishments for training purposes. As good value from otherwise unusable stores is derived from this arrangement, it will be continued, with the provisos, as at present, that such issues are for training purposes only and will be made on a 'no replacement, minimum maintenance' basis.

5. On occasions, stores of Navy origin (including those in Paragraph 4) are used during training courses for the manufacture of/or conversion into items of a type

which are the responsibility of Department of Works for supply, as set out in Annex A. Whilst it is not desired to discourage this type of training, it is to be ensured, before such items are taken into use, that the following action is taken:

a. Appropriate accounting action is applied, ie, Conversion Vouchers, Forms SS7, writing off charge the stores expended and taking on charge the items manufactured or converted, are to be prepared.

b. Items manufactured or converted in this way are to be inspected by a suitably qualified officer to ensure that they conform to appropriate specifications, eg, in the case of electrical appliances they should comply with relevant Australian Standard specifications and codes of practice and Electric Supply Authority regulations. The officer responsible is to certify on the relevant Conversion Voucher, Form SS7, that the articles comply with these requirements.

6. Local arrangements are to be made as necessary to ensure that any privately owned electrical appliances or equipment in use, or proposed to be used, in commissioned establishments conform to the specifications and standards referred to in Paragraph 5b above.

7. Whilst the Department of Works has the overall responsibility for maintaining the items listed in Annex A, there is an arrangement with Department of Works, as set out in RI Article 5633 which permits work of this nature being carried out, under certain stipulated conditions, by Naval personnel or employees. ABR 4 Article 3206 sets out the procedure for obtaining materials for such work. When repair work is carried out under this authority in future, the repaired items are to be inspected to ensure that they conform to appropriate specifications in the same manner as for items referred to in Paragraph 5b. This applies particularly to electrically operated appliances.

8. The lists of items, etc, included in Annexes A and B of this order are not necessarily exhaustive and items may be added or deleted from time to time in accordance with approved changes in the relevant allowances, eg, Scales and Standards of Accommodation of the Services in Peace. They are promulgated as an indication only of the demarcation of responsibility between the two Departments concerned and to provide guide lines for establishing responsibility for the supply and maintenance of these and any similar items.

9. This order is not to be quoted as the authority for requisitioning any of the items, etc, included in the Annexes.

10. RI and ABR 4 will be amended.

ANNEX A

Furniture, Fittings and Equipment for which Department of Works is Responsible for Supply and Maintenance in RAN Shore Establishments

a. *Furniture and Fittings (including built-in fitments)*

Air Circulators (floor standard, electric)
Altars
Beds
Benches
Billiard Tables and Accessories (subject to Ministerial approval)
Bins
Blackboards
Blinds
Boards
Bookcases
Bookshelves
Boxes
Cabinets

ANNEX A—*continued*

a. *Furniture and Fittings (including built-in fitments)*—continued

Carpets
Cases, show, map
Chairs
Chest of Drawers
Cigarette Butt Containers
Companion Sets
Coppers
Couches
Cupboards
Curbs, fire
Curtains
Curtain Fittings
Cushions
Desks
Dressing Tables
Fans, electric
Fittings, stair runner
Footrests
Forms
Ice Chests
Lamp Shades } (initial supply only)
Lamp Sockets } (initial supply only)
Lamps, standard
Lamps, table
Lecterns
Linoleum
Lockers
Lounges
Lowboys
Machines, washing
Mats
Mirrors
Protectors, head and arm
Racks
Radiators, electric
Rails, towel
Refrigerators, domestic
Rollers, blind
Rubber flooring
Rugs
Screens
Seats and Seating
Secretaires
Security Containers, Types A and B
Settees
Shelving
Sideboards
Sprayers, liquid
Stair Pads
Stands
Stools
Storage Units (including 'high density')
Sweepers, carpet
Tables
Tiles, floor
Trays, auto
Trays
Trestles
Trolleys, file
Underfelt
Urns, electric
Waggons, dinner
Wardrobes

b. *Engineering and Electrical Services and Plant*

Air Conditioning Systems
Air Compressor Systems
Basins, wash
Baths
Clothes Lines
Cooking and Ancillary Equipment
Includes:
Bain Maries
Cool Rooms
Deep Fat Fryers
Dish Washers
Food Mixers
Food Slicers
Griddle—Grilling Trays
Hot Water Systems
Ice Cream Cabinets
Mincing Machines
Ovens
Ranges
Refrigerators
Refrigerated Cabinets
Steamers
Stock Pots
Toaster Grillers
Urns
Vegetable Peelers
Water Fountains (Refrigerated)
Drainage Machinery and Pumps
Electric Generators (fitted) and Emergency Generators and Ancillary Equipment
Electrical Heating
Electric Light Installations
Electrical Ventilation and Exhaust

ANNEX A—*continued*

b. *Engineering and Electrical Services and Plant*—continued

Systems
Fittings, electrical, and Plumbing
Fuelling Lines on wharves, jetties and installations
Heaters, sink
Hot Water Storage Units and Systems
Lamps, reading (wall type)
Laundry Machinery
Lift Installations
Machinery for Services
Mechanical Heating
Mechanical Ventilation and Exhaust Systems
Oil Fuel Installations
Overhead Gantries and Hoists
Plant
Power Installations
Public Address Systems (fitted)
Pumping Plants
Refrigeration Plants and Compressors
Sewerage Machinery and Pumps
Sinks
Space Heaters (built-in)
Sprinkler Systems
Steam Heating Systems
Stoves and Accessories
Tanks
Troughs
Urinals
Water Closets
Water Heating Systems
Includes:
Boilers
Calorifiers
Exchangers and Associated Equipment
Water Supply Systems and Pumps
Wash Boilers
Winches for Slipways

c. *Fire Protection*

The supply and maintenance of fire protection systems and appliances for buildings and allied services for which the Department of Works is responsible, but excluding maintenance or replacement of portable fire extinguishers after initial supply to commissioned establishments.

ANNEX B

Furniture, Fittings and Equipment for which the Department of the Navy is Responsible for Supply and Maintenance in RAN Establishments

Agricultural Equipment
Aircraft Ground Electrical Supply Units
Autoclaves
Bins, garbage
Boat Davits
Cleaning Appliances
Includes:
Floor Polishers
Vacuum Cleaners
Civil Engineering Equipment
Includes:
Bulldozers
Concrete Mixers
Power Shovels
Road Graders and Rollers
Fire Tenders
Fork Trucks
Garage Equipment

ANNEX B—*continued*

Garden Tools and Equipment
Includes:
Axes
Forks
Hoes
Hoses
Rakes
Spades
Sprinklers, portable and mobile
Wheelbarrows
Instructional Equipment
'Lamping Up' of Light Fittings (other than street lighting)
Lamp Shades } (replacement only)
Lamp Sockets }
Load Carrying Road Transport Vehicles
Machine Tools
Maintenance and Replacement of Portable Fire Extinguishers in Commissioned Establishments (subsequent to initial supply)
Mattresses
Nets, mosquito
Office Machines (as defined in ABR 4, Article 3005)
Operational and Daily Running Maintenance of Laundry and Galley Equipment
Overcases
Pillows
Power and Pulling Boats
Printing Presses
Safes
Stationery and Office Requisites
Technical Trailers
Underlays, mattresses
Woodworking Machinery
Workshop Equipment
Any other special plant and machinery or equipment required for the establishment of special naval facilities.

(512/251/196 DSUA)

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HISTORIAN.

RESTRICTED

ANOs 579/70-597/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
15 December 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

25588/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

579/70—Precautions to be Observed to Prevent Fires in Ships and Floating Equipment Under Refit at HMA Naval Dockyards

The following amendments are to be made to Navy Order 521/68:

a. **Paragraphs 4b, 6, 7a (2), 8:**
amend 'inflammable' *to read* 'flammable'.

b. **Paragraph 4c first line:**
insert after 'compartments' ', piping and trunking'.

(464/70/330 DMED)

(*Navy Order 521/68*)

UNCLASSIFIED

580/70—RI List of Navy Orders Affecting

With reference to page iv of RI, the following list shows those Navy Orders in force on 31 October 1970 which amend or simplify RI (as corrected up to amendment No 23).

RI Article	*Navy Order*
Page xvi, 0235, 0236, 0237	470/70
0323	732/69
0468	477/69
0553	818/69
0558	80/70
0888	426/69, 631/69, 714/69, 64/70
0946, 0949	458/70
0957	426/69, 458/70
1003	404/70
1041	659/69
1051 (8), 1052 (table)	818/69
1063	426/69
Chap 10 Sec II	425/69
Chap 10 Sec IV	811/68
1301, 1305, 1307	141/70

RI Article	Navy Order
1452	192/70
1661	171/68
Chap 18-23	348/70 382/70
Chap 18 Sec VI and VIII	816/68
1832	281/70
1970 1972 1973	751/69
Chap 27 Sec II	802/69
2909	748/69
2981	385/69 535/69
3251 3252 3253	322/70
4505	111/69
4962 4963	218/70 330/70
5242	253/70
Chap 53	22/69
5605	443/70
5606	116/68

(465/3/4 CEO (GS))

RESTRICTED

581/70—Security Brief Cases

1. The combination locks fitted to Security Brief Cases Catalogue No 8460-66-027-7400 have been found to be insecure.

2. This type of brief case should be withdrawn and replaced by the new approved Samsonite Attache Case No 9905 secured with cam lock (Sidleen, Abloy or AVA).

(514/56/122 (SEO (S))

Section 2

PERSONNEL

UNCLASSIFIED

582/70—Travelling Allowance—Members on Long and Intermediate Term Duty Overseas

1. Certain rates of Travelling Allowance have been varied and accordingly the tables in Navy Order 231/70 are amended as follows:

TABLE A

Delete the rates for Brazil, Peru and Ireland and *insert* the following rates in their stead:

Country	Currency of Payment	Rates of Payment per Day		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	CAPT, CMDR, LCDR or Relative Rank	CDRE and Above
Brazil—				
Brazilia	$A	22.00	24.00	26.00
Elsewhere	$A	20.00	22.00	24.00
Peru	$A	14.60	14.80	15.00
Ireland	£IRISH	4.5.0	5.5.0	6.5.0

TABLE B

Delete the rates for Taiwan, South Korea, Philippines and Thailand and *insert* the following rates in their stead:

Country	Currency of Payment	Rates of Payment per Day		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	CAPT, CMDR, LCDR or Relative Rank	CDRE and Above
Taiwan	$NT	260	275	490
Philippines	PESOS	39	44	48
South Korea	Won	2,500	2,700	2,900
Thailand	Baht	150	160	170

2. The effective date for the changes in rates in the above table are as follows:
BRAZIL—7 August 1970
PERU—31 July 1970
TAIWAN, SOUTH KOREA, PHILIPPINES and THAILAND—25 June 1970
IRELAND—8 June 1970.

(252/4/177 HPB)

(Navy Order 231/70)

UNCLASSIFIED

583/70—Travelling Allowance—Members on Short Term Duty Overseas

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119/70 as varied by Navy Orders 158/70, 319/70, 488/70 and 559/70 have been further varied as follows:

TABLE A

Delete the rates for Thailand and *insert* the following in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT or Relative Rank, Officers of Lower Rank and Sailors	*CAPT, CMDR, LCDR or Relative Rank*	*CDRE and Above*
Thailand ..	Baht ..	420	500	580

TABLE B

Delete the rates for South Korea and *insert* the following in their stead:

South Korea ..	Won ..	3,400	3,700	4,000

2. These rates are effective from 25 June 1970.

(252/4/168 HPB)

(*Navy Orders 119/70, 158/70, 319/70, 488/70 and 559/70*)

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

584/70—Training and Courses in UK—Personnel Records and Security Certificate

Navy Order 270/70 is to be amended as follows:

Delete **Paragraph 3** and *insert* the following in lieu:

'Part I of Form KE104 is to be completed by the ship or establishment and two copies, together with two photographs for all personnel whose period of training is to be three months or more, are to be forwarded to the Secretary, Department of the Navy, Canberra, ACT, as soon as possible after receipt of the relevant Posting List or Posting Note. Photographs are to be of the passport type measuring 1⅝ inches square, showing head and shoulders, and below, a standard name plate bearing the initials and surname. Personnel are to be photographed in the uniform of their rank, without caps, against a height scale. Photographs are not required for personnel whose period of training is less than three months.'

(1617/201/60 HPB)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

585/70—Accounting for Fitted Equipment and Portable Fittings Recorded in Lists of Equipment, Etc

1. Recently an increasing number of instances have been noted of failure of ships to apply the provisions of ABR 4 Article 1602 (2), which details the action necessary in respect of lost, deficient or surplus items of fitted equipment or portable fittings which are recorded in Lists of Equipment, etc.

2. All personnel concerned with the maintenance of Lists of Equipment, etc, are reminded that the contents of the lists may only be amended in accordance with details included in Forms SD116 (AS197) which have been approved by the appropriate co-ordinating authority. In no circumstances are Stocktaking Discrepancy Reports, Forms SS1, or Losses Reports, Forms SA116, to be used to amend Lists of Equipment, etc.

3. Early action is to be taken to prepare Forms SD116 (AS197) in accordance with ABR 4 Article 1602 (2)(a)(ii) when a surplus is confirmed or when a deficiency is confirmed and replacement of the item is not required. Failure to raise Form SD116 in these circumstances may result in a further report of deficiency being raised for the same item at the next muster.

4. Similarly, in the case of deficient items requiring replacement, action to obtain replacement supply of the items as prescribed in Article 1602 (4) is to be taken as soon as possible after the deficiency is disclosed.

5. Prior to the raising of Stocktaking Discrepancy Reports, Forms SS1, or Losses Reports, Forms SA116, each discrepancy is to be thoroughly investigated to ensure that a draft or approved Form SD116 in respect of the discrepant item is not held awaiting processing, or that receipt of an approved Form SD116 for an item removed or fitted during a previous refit is not awaited following previous advice to a dockyard in the terms of ABR 4 1602 (2)(a).

(400/62/2120 DSUS)

UNCLASSIFIED

586/70—Allowance List of Office Machines for HMA Ships and Establishments RANAL (CAT) 46

1. RAN Allowance List of Office Machines for HMA ships and establishments has been revised and re-issued as RANAL (CAT) 46.

2. Distribution of RANAL (CAT) 46 and any subsequent amendments will be effected to ships and establishments concerned by the Superintending Victualling Store Officer, Sydney.

(462/51/35 DSUS)

UNCLASSIFIED

587/70—Alteration and Addition Item—HMAS SUPPLY

The following Alteration and Addition Item is approved to be carried out in HMAS SUPPLY:

Class List Item No 76 (Ex TDL 'CG').

a. *Item:* 'Resite forward Low Power Room Exhaust Fan from 01 Deck Port to 03 Deck Port.'

b. The weight change for the item is considered to be negligible.

c. *Reference:* HMAS SUPPLYs Form TM168 (AS1182) TDL 'CG' dated 31 July 1969 forwarded under cover of FOCAF Memorandum dated 29 September 1969.

(1246/51/257 DFM)

UNCLASSIFIED

588/70—Alteration and Addition Item—River Class Destroyers

The following Alteration and Addition Item is approved to be carried out in River Class Destroyers:

Class List Item No 401 (Ex TDL 'V').

a. *Item:* '(1) To fit a confidential book stowage in the Wardroom, suitable for the stowage of top secret and cryptographic material. The stowage is to be approximately 74 inches × 45 inches × 24 inches, situated in the front forward corner of the wardroom and built integral with the ship's structure. Material 12G aluminium alloy.

(2) A Chatwood Milner Mark III combination lock and associated locking arrangements are to be fitted generally in accordance with Navy Office Diagram No 209/2055 Fly 1. "Confidential Book Stowage".

(3) The Wardroom refrigerator and pistol cupboard are to be repositioned as necessary to allow the confidential book stowage doors to be opened fully.

(4) Three Pattern No 5297 combination safes and one steel cupboard now fitted in the wardroom are to be landed.'

b. Weight changes are to be reported.

c. *Reference:* HMAS STUARTs Form TM168 (AS1182) dated 30 May 1968 forwarded under cover of FOCAFs Memorandum dated 24 June 1968.

(1224/72/312 DFM)

RESTRICTED

589/70—Boilers—Register Fuel Hoses

1. The maintenance and care of boiler front flexible fuel hoses is a matter of great importance since the useful working life of a hose depends largely on the installation and treatment received during service. Instructions on the layout and fixing of hoses are given here, and will later be included in BR 3001:

a. On installation the hose must be free from any form of tension and the radius of bending must not be less than 5 inches.

b. Advancing and retracting the burner body must not induce a twist in the hose nor a bend of less than 5 inches radius.

2. Implementation of these requirements is, in many instances, made impossible by the disposition of the Oil Coupling Valves on the boiler front. Mal-alignment and poor positioning of the Oil Coupling Valves is to be rectified by defect action at the earliest opportunity.

3. Twisting of the hoses on advancing or retracting the burner body can be reduced to a minimum or eliminated by arranging the layout, as follows:

a. Before coupling up the fuel hose ensure that the burner body fuel connection is directed towards the Oil Coupling Valve hose connection, ie, the plane containing the centre line of the burner body passes through the centre of the valve discharge stub. Lock the burner body at this angle.

b. Before finally connecting the fuel hose to the burner body and the shut off valve, lubricate the threads and bearing surfaces of the nuts and tails to reduce the tendency for the hose to twist on finally bolting the nuts.

After carrying out the above procedure, it is recommended that the burner body handles be positioned horizontally, for ease in handling the burners.

4. New hoses have an interrupted yellow line along their length. This line is to be renewed if unclear or obliterated and will show whether or not a hose is subjected to torsion.

5. Failures in service can be attributed to one or more of the following defects:

a. Hoses bent to a smaller radius than 5 inches either through bad installation or mal-treatment.

b. Twisting of the hose through poor initial boiler front installation or hose setting up and fitting.

c. External damage to the hose caused by an external blow or it being used as an anchor or lever.

d. Incorrect hose in use.

6. A new type hose, AOF 69, is being introduced for River Class DEs and until these hoses are fitted, the existing A 1128 and AOF 67 hoses are to continue to be treated with great care. Any signs of incipient failure, ie, bubbling under the outer lining, external cracking, etc, are reasons for renewal of the suspect hose at the first available opportunity. The test pressure of ½ inch bore hose to specification A 1128 is to be 1,500 psig which is slightly greater than twice the working pressure.

7. Trials with locally manufactured double wire braided hoses are being conducted and results will be promulgated as soon as possible.

8. Ships carrying hose specification 1176 can use them when dieso, at ambient temperatures, is being burned but not when hot FFO is the fuel. Specification A 1128 is suitable for both dieso and FFO.

9. Navy Order 323/67 is hereby cancelled.

(1205/258/45 DFM)

(*Navy Order 323/67*)

UNCLASSIFIED

590/70—Communications—Radio—Type 689—Adjustment of Deviation

1. The following adjustment to all Types 689 is to be carried out within three months of the promulgation of this order. It will make Type 689 compatible with 25KHz channel-spaced equipment, by reducing the deviation from ± 15 KHz to ± 5 KHz.

2. The detailed instructions for this adjustment are listed below:

a. Disconnect the hand-set from the front panel of the 689, and connect the 600-ohm output of the CT 433 to pins A and B. Connect pin C to pin D. (This will put the 689 on transmit.)

b. Connect the CT 436 probe (6625-99-945-0506) to the slider of RV 5 (use of the probe is essential).

c. Set the CT 433 frequency to 1 KHz and adjust the output control until the CT 436 trace shows no increase in amplitude. This ensures that the amplitude limiter 1V8 is working.

d. Adjust RV 5 for 1-volt peak to peak as indicated on the CT 436, using the X10 setting on the oscilloscope to compensate for the 20 db attenuation of the probe.

3. Items in store will have been adjusted before issue.

4. The handbook will be suitably amended.

(8/1/177 DWED)

UNCLASSIFIED

591/70—General Mess Victualling—Use of Cooking Wines

1. In the interests of improved messing standards, the discriminate use of good, low priced wine in cooking for general mess victualling is approved.

2. Wine is, however, to be used only when the General Mess is in credit.

3. Stock is to be accounted for in the Provision Account, but stowed in the Wardroom Store.

4. Wine is to be issued only on the authority of the Supply Officer, and supplied by measure, in his presence, or in the presence of an officer detailed for victualling duties.

5. The cost of wine for cooking purposes should not exceed $3.60 nett, per gallon.

6. Supplies should be purchased in half-gallon flagons whenever possible and once the flagons are opened the contents should be used within two (2) weeks. Fresh wine should not be added to ullages as this causes spoilage.

7. On all occasions when food cooked in wine is served, a dish prepared without wine is to be provided as an alternative choice.

8. ABR 93, Manual of Victualling Stores, will be amended.

9. Navy Order 611/69 is hereby cancelled.

Appendix 15

Notes on Provisions

1. Wines—Use in Cooking

1. The discriminate use of good, low priced wines in cooking for general mess victualling is approved. Wine is, however, only to be used when the general mess account is in credit.

2. Wines are to be issued only on the authority of the Supply Officer and supplied by measure in his presence, or in the presence of the Officer detailed for victualling duties.

3. Stock is to be accounted for in the Provision Account but stowed in the wardroom store. The maximum price to be paid will be promulgated by Navy Order.

4. Supplies should be purchased in half-gallon flagons whenever possible and once the flagons are opened the contents should be used within two (2) weeks. Fresh wine should not be added to ullages as this causes spoilage.

5. On all occasions when food cooked in wine is served, a dish prepared without wine is to be provided as an alternative choice.

(912/60/53 D of V)

(*Navy Order 611/69*)

UNCLASSIFIED

592/70—Instructions for the Issue of Victualling Naval, Armament, Hydrographic and Medical Stores to the Australian Sea Cadet Corps and Naval Reserve Cadet Units in Schools

Navy Order 128/70 is to be amended as follows:

Re-number existing **Paragraph 95A** *to read* **Paragraph 95B.**

Insert new **Paragraph 95A** as follows:

'95A

Medical and Dental Stores will be supplied by the Department of the Army on Form AFG982E, two copies of which will be received by the demanding unit. No 3 Copy is an advice note that stores have been dispatched. No 4 Copy will accompany the stores and will be enclosed in the package which will be marked with a red corner. On receipt of stores the following procedure is to be followed:

a. Ensure that the quantity and description of packages agrees with the accompanying vouchers on consignment documents.

b. Check that containers are in good order and condition and that sealing labels, where used, are unbroken.

c. A delivery receipt is not to be given until verification has been completed.

d. Any damage or discrepancy disclosed is to be recorded on the consignment documents and the carrying agency representative is to be asked to sign the notation.

e. After checking stores against the No 4 Copy, both copies are to be receipted. The No 3 Copy is to be returned to the issuing Depot without delay. The No 4 Copy is to be used to post the store ledger and retained.

f. Any discrepancies discovered in supply of Medical and Dental Stores are to be reported to:

The RAN Medical and Dental Stores Liaison Officer
c/o No 2 Base Medical and Dental Stores Depot
Post Office Box 64
MAROUBRA NSW 2035.'

Amend existing **Paragraph 96** by adding the following after 'consignor' in line 3:

'(For Medical and Dental Stores *see* Paragraph 95A Sub-paragraph (f)'.

Delete existing Catalogue Number '66-019-9799' shown under the heading Medical Stores—Store Depot Code 0078 in Annex D, Page 56, and *insert* the following:

'66-019-9803'.

(400/1/831 DSUA)

(*Navy Order 128/70*)

UNCLASSIFIED

593/70—Stores Terminology—Clarification of Terms Repairable and Reparable

1. This Navy Order details the distinction between the US Navy terms REPAIRABLE and REPARABLE now being encountered in USN terminology.

2. A description of the terms is:

REPAIRABLE. This is the current physical state of an item and indicates stores not fit for use as originally intended, but capable of being restored economically to a serviceable condition.

REPARABLE. Denotes the logistic state of an item rather than the condition of an item and is somewhat similar in meaning to the RAN term of 'permanent'. It is an item which will be reconditioned or repaired when it is not in a serviceable condition.

3. From the above it will be seen that in USN terminology it is possible to have an item correctly described as a 'REPAIRABLE REPARABLE', ie, an item designated by the USN as a 'REPARABLE', which has been found on survey to be 'REPAIRABLE' (ie, in such a condition that repair is required and is economically feasible).

4. REPARABLE items in the USN Supply System are listed in the following publications:

a. NMDL (Navy Management Data List)—all Cognisances—denoted by the codes D, G, H, K, Q, R and X against the item under the columnar heading REPAIR.

b. MRLs (Master Repair Lists) issued by the various USN Inventory Managers, eg, ASO, ESO, SPCC, each list being relative to specific cognisances only.

c. CRIL (Consolidated Reparable Item List)—all cognisances except:

(1) R and V other than 4R & 5R.
(2) DSA (Defence Supply Agency) items, ie, 9 series cognisance codes.

5. It is emphasised that for internal RAN purposes and in dealings with MOD (N) the term REPARABLE is not to be used. REPAIRABLE indicating the current physical state of an item is to be used. The RAN definition of REPAIRABLE is:

REPAIRABLE. Stores not fit for issue, as originally intended, but capable of being restored economically to a serviceable condition.

(47/1/36 DSUA)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

594/70—Documentation of Reports of Medical Boards of Survey Form PM132, Revised and Form AF Med 23 (PM163)—Obsolete

Navy Order 494/70 is to be amended as follows:

Delete '69' in **Paragraph 4** and where showing as Navy Order reference in brackets, and *insert* '68'.

(464/99/198 MDG)

(*Navy Order 494/70*)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

595/70—Armoured Car Cash Delivery Service—Insurance

1. Attention is drawn to the provisions of Agreements covering Contracts arranged by the Chief Executive Officer, Commonwealth Stores Supply and Tender Board, for Armoured Car Cash Delivery Services in all States of the Commonwealth (except Northern Territory).

2. The Agreements provide, inter alia, that the Companies shall obtain from an insurance company approved by the Commonwealth a policy of an amount and in a form approved by the Commonwealth insuring the Commonwealth against the loss of any money delivered to the Commonwealth under the contract and not yet paid to the employees or other person ultimately entitled to receive the same, and shall pay premiums in respect of the policy and maintain the policy in force.

3. The Agreement further provides that in the event of a loss of any money from any cause whatsoever after delivery to a Department or Office and before payment to the employees or other person ultimately entitled to receive the same, an authorised officer shall as soon as practicable after discovery of the loss notify the Company thereof and furnish to the Company a certificate signed by two responsible officers of the Commonwealth setting forth the amount of the loss.

4. The insurance policies provide that any discrepancies or losses must be reported to the Contractor concerned within 72 hours of discovery. The Chief Executive Officer, Commonwealth Stores Supply and Tender Board, should also be informed of any discrepancies or losses.

5. Relevant extracts of the Agreement to the item of the contract covering the provisions of armoured car service, for transport of money from a bank to various Commonwealth departments or offices for payment of salaries and other purposes are attached at Annex A.

6. In regard to any deficiency or loss of money received per medium of the Armoured Car Cash Delivery Service for which a claim under the insurance provisions of the contract is considered appropriate, the authorised officer for purpose of rendering the claim is the 'Authorising Officer' of department in the State through which the cash advance was obtained.

7. Instructions contained in Navy Accounts Manual Article 90 (3)(b)(iii) refer to cash delivered for civilian payroll and requires the Authorising Officer as the accredited representative of the Chief Accounting Officer to undertake a full investigation. The Authorising Officer is to notify the Company and furnish a certificate signed by two responsible officers of the Commonwealth setting forth the amount of the discrepancy or loss within 72 hours of discovery.

8. In the event of any claim arising in respect of a deficiency or loss of cash delivered to a HMA ship or commissioned establishment by Armoured Car Cash Delivery Service the notification to the Company and furnishing of the certificate is to be arranged in conjunction with the investigation and preparation of report, as required by the Naval Board in accordance with Navy Accounts Manual Article 135 (3), and forwarded through the appropriate Authorising Officer in the State from whom the cash advance was obtained.

9. Copies of all claims rendered on companies for deficiencies or losses of money delivered under an Armoured Car Cash Delivery Service are to be forwarded to the Director of Navy Accounts for information.

10. Articles 120 and 135 of ABR 5018 should be noted pending issue of amendment sheets.

ANNEX A

Extracts of Agreement Between the Commonwealth and Armoured Car Cash Delivery Service Contractor

'1. In this agreement, unless the contrary intention appears; "Authorised Officer" means the Officer in Charge of the Commonwealth Sub-Treasury in the said States concerned or the Authorising Officer in that State of the Department or of the Office concerned: "Department" means a Department of the Commonwealth which, by arrangement with the Commonwealth Treasury, engages the services of the Company in respect of the Department within the said States concerned; and "Office" means an office, branch or section of a Department, by arrangement with the Commonwealth Treasury, engages the services of the Company in the said States concerned.

2. (1) .....

(2) .....

(3) For the purposes of the last preceding sub-clause references in the said General Conditions and in the Special Conditions to the "Contractor" and the "Supply Officer" shall be read as references to the Company and to the appropriate authorised officer respectively and other expressions which are defined in clause 1 of the General Conditions shall have the respective meanings attributed to them by that clause.

3. The Company undertakes whenever requested by an authorised officer of a Department or Office in the States aforesaid, so to do, to deliver to the Department or Office in the States concerned in strict accordance with the conditions hereinafter contained, money in such amounts as may from time to time be required by the authorised officer for payment of wages, salaries, overtime allowances, pensions, child endowment, Military, Naval and Air Force allotments and other disbursements.

4. .....

5. .....

6. (1) In the happening of any of the following events namely:

(a) a discrepancy between the amount of money actually delivered to a Department or Office of the Commonwealth and the amount stated in the cheque handed to the Company's representative as aforesaid;

(b) a similar discrepancy caused by the presence of counterfeit notes or coin in the money so delivered; or

(c) the loss of any money from any cause whatsoever after delivery to a Department or Office and before payment to the employees or other persons ultimately entitled to receive the same,

an authorised officer shall as soon as practicable after discovery of the discrepancy or loss as the case may be notify the Company thereof and furnish to the Company a certificate signed by two responsible officers of the Commonwealth setting-forth the amount of the discrepancy or loss.

(2) Subject to the succeeding provisions of this clause, the Company will on receipt of such certificate forthwith pay to the Company the amount of the discrepancy or loss.

(3) The Company shall obtain from an insurance company approved by the Commonwealth a policy of an amount and in a form approved by the Commonwealth, insuring the Commonwealth against the loss of any money delivered to the Commonwealth as aforesaid and not yet paid to the employees or other person ultimately entitled to receive the same, and shall pay the premiums in respect of the policy and maintain the policy in force.

(4) The Company shall be liable to make good a loss referred to in sub-paragraph (c) sub-clause (1) of this clause only to the extent, if any, to which the loss is recoverable or, if the insurance policy is not in force; would have been recoverable, under the insurance policy referred to in the last preceding sub-clause and where the Company has made good the loss it will be entitled to any moneys representing the loss that are recovered under the insurance policy.'

(465/59/12 DNA)

UNCLASSIFIED

596/70—Fire Precautions—Establishments

1. The incidence of fires caused by portable electrical heaters is increasing and it has been decided to eliminate this cause in Navy establishments, in accordance with Commonwealth Fire Board recommendations.

2. Accordingly, portable electric ceramic core type or infra red heaters are to be removed from establishments forthwith and be returned to Naval Stores.

3. Privately purchased heaters are not to be permitted in Naval establishments.

4. If climatic conditions are such that additional heating arrangements are considered necessary and are allowable under the 'Scales and Standards' within existing areas, proposals should be raised for the installation of fixed wall mounted heaters of the infra red type.

5. Heaters must be installed clear of combustible materials, particular attention should be given to distance from window curtains and the possible movement of curtains if a window is opened.

6. Action towards the provision of such supplementary heat sources as may be required should be commenced forthwith.

(1446/1/91 DNW)

Section 7

CANCELLED LIST

UNCLASSIFIED

597/70—Alteration and Addition Item—HMAS MELBOURNE

Navy Order 65/69 is hereby cancelled.

(1213/52/707 CNTS)

(*Navy Order 65/69*)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra

HISTORIAN

ANOs 598/70-608/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
18 December 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

25679/70

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

598/70—Telecommunication and Radar Equipment Inventories—Reports

1. The procedure of submitting annual returns showing the holdings of Telecommunication and Radar Equipment fitted in HMA ships and establishments has been found to be unsatisfactory.

2. Future schedules of Telecommunication and Radar Equipment fitted in HMA ships and establishments shall be produced from alternative sources, and issued annually.

3. Reporting of Telecommunication and Radar Equipment fitted is to cease forthwith. Confidential Navy Order 13/70 is hereby cancelled.

4. Accordingly Forms TC100 (AS1116), TC101 (AS1116a), TN103 (AS1117), TC102 (AS1118a), TC103 (AS1118b), TC104 (AS1118c), TC105 (AS1118d) and TC106 (AS1118e) are hereby cancelled and any stocks held should be destroyed.

(400/202/149 DFM)

(*Confidential Navy Order 13/70*)

Section 2

PERSONNEL

UNCLASSIFIED

599/70—Posting, Compassionate Leave and Discharge Procedure

Navy Order 278/70 is to be amended as follows:

Paragraph 10 *amend* to read:

The normal period of service in the following establishments is one year for unaccompanied personnel and two years for accompanied personnel:

HMAS COONAWARRA
HMAS MELVILLE
HMAS TARANGAU
} and patrol boats attached to these establishments.

Paragraph 36 *amend* to read:

The practice of volunteering for service is in the normal course limited to service in:

SUBMARINES
PNG PATROL BOATS
HMAS COONAWARRA
HMAS MELVILLE
HMAS TARANGAU
RAN COMMUNICATIONS DETACHMENT SINGAPORE.

(333/201/265 HPB)

(*Navy Order 278/70*)

UNCLASSIFIED

600/70—RAN Relief Trust Fund Financial Statement 1969-70

1. The Statement of Accounts of the RAN Relief Trust Fund for the period 1 July 1969 to 30 June 1970, and the Balance Sheet at 30 June 1970, are promulgated as Annex A to this order.

Assistance Rendered

2. The reasons for which loans have been made during the last two years are as follows:

Nature	*Loans Made* 1968-69	*Loans Made* 1969-70	*Percentage of Cases* 1968-69	*Percentage of Cases* 1969-70
Housing	323	269	22.1	17.7
Furniture	605	597	41.4	39.3
Medical, Dental, Funeral	78	68	5.3	4.5
Travelling and Removals	72	97	5.0	6.4
Domestic (Overdue Accounts)	369	427	25.2	28.1
Other Reasons	95	60	1.0	4.0
Total	1,542	1,518	100.0	100.0

3. The amounts advanced under the respective categories were:

	1969-70 $
Housing loans	225,959
Furniture loans	306,551
Other loans	51,766
	584,276

Grants

4. The grants shown in the Balance Sheet were made up as follows:

	$
a. To widows or dependants of personnel who died whilst serving	1,022
b. To dependants of deceased personnel whose outstanding Relief Trust Fund loans were written off	18
c. To ex-Naval men or their dependants	822
Total	1,862

ANNEX A

ROYAL AUSTRALIAN NAVY RELIEF TRUST FUND

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 30 JUNE 1970

1968-69 $	EXPENDITURE	$	1969-70 $	1968-69 $	INCOME	$	1969-70 $
	Administrative Expenses -				Interest -		
2,020	Salaries and Travelling	2,272.97		852	Investments	1,471.44	
2	Miscellaneous	24.67	2,297.64	1,266	Bank	1,639.88	3,111.32
17	Depreciation of Office Equipment		17.00	35,848	R.A.N. Central Canteens Fund Contributions -		
2,674	Grants		1,862.32		30 October, 1969	18,854.26	
641	Bad Debts		819.00		26 May, 1970	12,995.04	31,849.30
-	Donation Refunded		400.00		Donations -		
105,098	Surplus of Income Over Expenditure		82,910.84		MV Jeparit (difference between Civilian/Naval rates of pay)	53,346.01	
				72,486	Miscellaneous	.17	53,346.18
110,452			88,306.80	110,452			88,306.80

BALANCE SHEET AS AT 30 JUNE 1970

30 June 1969 $	LIABILITIES	$	30 June 1970 $	30 June 1969 $	ASSETS	$	$	30 June 1970 $
	Accumulated Funds -				Cash -			
	Balance as at 1 July 1969	665,787.39		15,145	Bank		68,744.53	
665,787	Add Surplus of Income Over Expenditure	82,910.84	748,698.23	66,746	Agency Advances		21,664.23	90,408.76
					Loans Outstanding -			
					Balance at 1 July 1969	551,474.06		
					Add New Loans 1969-70	584,276.41	1,135,750.47	
					Less Repayments 1969-70	509,040.71		
					Loans Converted to Grants	18.00		
				551,474	Bad Debts	819.00	509,877.71	625,872.76
				32,306	Investments - at cost			32,305.60
					Office Equipment - at cost		69.59	
				17	Less Depreciation		69.59	Nil
					Interest Accrued -			
				99	Investments			111.11
665,787			748,698.23	665,787				748,698.23

The above Balance-sheet and Statement of Income and Expenditure have been examined and are in agreement with the books and accounts. In my opinion they show fairly the financial operations for the year ended 30 June 1970 and the state of affairs of the Royal Australian Navy Relief Trust Fund as at that date.

(Sgd.) V.J.W. Skermer

(V.J.W. SKERMER)
AUDITOR GENERAL FOR THE COMMONWEALTH
7 October 1970

..... Rear Admiral
..... Captain, R.A.N.
..... Commander, R.A.N.
..... Supply Commander, R.A.N. R'td
)TRUSTEES R.A.N.)RELIEF)TRUST)FUND
SECRETARY

(212/54/16 DFSD)

UNCLASSIFIED

601/70—United Service Institution of New South Wales—Essay Competition 1970-71

1. The Naval Board have been advised that the United Service Institution of New South Wales conducts an annual essay competition in two Sections:

a. *Senior Section.* Open to all members of the United Service Institution of NSW and to all ranks of the Active and Reserve Lists of the Royal Australian Navy, the Australian Military Forces and the Royal Australian Air Force.

b. *Junior Section.* Open to all apprentices of the RAN, AMF and RAAF Apprentices Schools and all members of the RANR Cadets, the Australian Cadet Corps and the Air Training Corps.

Subjects

2. *Senior Section.* Discuss the kind of forces which should be developed in Papua/New Guinea to meet the needs of an emerging, independent community. Examine the Australian and indigenous contribution before and after autonomy is achieved.

or

Consider the role and purpose of an Australian tri-service academy.

or

In his statement on defence on 10 March 1970 the Minister for Defence stated:

> 'Australia cannot confront the Soviet Union but we must take account of her Indian Ocean activities in our defence policy and planning.'

Discuss the implications for Australia of a Soviet presence in the Indian Ocean.

3. *Junior Section.* Give your views on what part cadet organisations should play in meeting the needs of youth in the modern society.

or

What role should be played and what responsibility displayed by Cadets in our modern society?

Prizes

4. $75 will be awarded for the winning essay in the Senior Section and $25 for the winning essay in the Junior Section.

5. The referees are empowered to recommend that prizes not be awarded if, in their opinion, essays do not reach a sufficiently high standard.

6. In the case of two or more essays of equal merit from the same Section, the prize money for the Section may be shared.

Judging

7. Essays will be judged by at least three referees appointed by the President of the United Service Institution of New South Wales.

8. The decision of the referees will be final.

Submission of Essays

9. Essays are to be typewritten and submitted in quadruplicate. The Services have offered to provide typing assistance and this can be arranged direct with the appropriate Service.

Length of Essays

10. a. *Senior Section.* Not to exceed 10,000 words.
b. *Junior Section.* Not to exceed 4,000 words.

11. Authorship is to be strictly anonymous. Each competitor is to adopt a motto and enclose with his essay a sealed envelope with the motto and some identification typewritten on the outside and his name and address (unit address where applicable) inside.

12. The title and page number of any published or unpublished work to which reference is made in the essay must be quoted.

13. Essays are to be addressed to the Honorary Secretary, United Services Institution of New South Wales, History House, 8 Young Street, Sydney 2000. The envelope is to be marked 'United Service Institution of New South Wales Essay Competition'. Entries close on 31 March 1971.

Promulgation of Results

14. The results of the competition will be advised to the Services and will be promulgated as well in the United Service Institution Journal and Newsletter.

Publication

15. Essays submitted become the property of the United Service Institution of New South Wales and the Institution reserves the right to publish the winning essays.

(138/1/131 DNES)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

602/70—RANR Training—Instructions and Procedures for Sailing Training Craft

1. Local Naval Authorities are authorised to sail craft allocated for RANR training in accordance with RANOPs. They are to ensure that the officer posted in command is competent and qualified for the task in accordance with Paragraphs 5 and 6 and that minimum complements in accordance with Paragraphs 10, 11, 12 and 13 are carried.

Procedure Before Sailing

2. Before local Naval Authorities sail RANR training craft, they are to:
a. post, in writing, the officer selected to command the craft if the period of the cruise is less than 72 hours; or
b. request the Naval Board to post the officer selected to command, if the cruise is for more than 72 hours.

3. Approval is to be obtained from the Naval Board for the proposed annual RANR training programme, but approval is not required on each occasion that RANR training craft are sailed.

Sailing Intention Signal, PIM and Arrival Signal

4. Movements are to be reported and are to be in accordance with RANOPs, Articles 0126, 0127 and 0108 (d)(ii).

Minimum Qualifications to Command Craft in Bays, Estuaries or Sheltered Waters

5. a. Small Ships Command Certificate.
b. Experience in local training craft, not necessarily in command during the previous 12 months.

Minimum Qualifications to Command Craft on Ocean Passage

6. a. Small Ships Command Certificate.
b. RANR Restricted Bridge Watchkeeping Certificate.
c. Ocean Navigation Certificate.
d. Experience in local training craft, not necessarily in command, during the previous 12 months.

Wearing of Flags

7. Craft under way for short periods in bays, estuaries or sheltered waters are to wear the Australian white ensign but are not to wear a masthead pendant.

8. Craft approved to carry out ocean passage are to be regarded as commissioned ships, and appropriate flags and ensigns are to be displayed in accordance with the customs of the Service.

Victualling Arrangements

9. a. Meals are to be supplied in accordance with the provisions of Naval Reserve Regulations and Instructions, Article 227.
b. Provisions issued are to be accounted for as set out in ABR 93, Chapter 13.
c. Mess gear is to be accounted for as set out in ABR 93, Chapters 20 and 22.

Minimum Complements for RANR Craft

10. HMA GPVs, SDBs and MRLs, on Reserve training in bays, estuaries and sheltered waters:

Rank	*Officers*	*Chief Petty Officers or Petty Officers*	*Junior Sailors*	*Remarks*
Lieutenant ..	1	..	..	*See* Paragraphs 2 and 5
PO or LS ..	..	1	..	..
AB	..	..	2	..
ERA	..	1	.. }	With diesel experience
ME	..	..	1 }	
RO	..	..	1	..
Total ..	1	2	4	= 7

11. HMA GPVs and MRLs on Reserve training in the open sea outside bays, estuaries or sheltered waters:

Rank	*Officers*	*Chief Petty Officers or Petty Officers*	*Junior Sailors*	*Remarks*
Lieutenant(X) ..	1	..	..	*See* Paragraphs 3 and 6
Lieutenant(X) ..	1	..	..	13 days ACT at sea in the last 2 years
Sub-Lieutenant(X)	1	..	..	Qualified Seamanship and Nav 1
POSMN ..	..	1	..	..
LS	..	..	1	..
AB	..	..	3	..
ERA	..	1	..	With diesel experience
LME	..	..	1	
ME	..	..	2	
RO	..	..	1	..
CK	..	..	1	..
Total ..	3	2	9	= 14

12. Patrol Boats Allocated to RANR Training:

Rank	*OFFR*	*CPO or PO*	*JS*	*Remarks*
LEUT(X)	1	..	..	In command (To hold RANR RWKC and SSCC, and ONC for Ocean Passage)
LEUT(X)	2	..	..	2 for Ocean Passage, to hold RANR RWKC
LEUT/SBLT(X) ..	1	..	..	Not for Ocean Passage
Chief or PO(MASC) ..	..	1	..	2 for Ocean Passage
LS(MASC)	..	..	2	1 to be LSQMG when firings are scheduled
AB(MASC)	..	..	2	3 for Ocean Passage
RO	..	..	1	..
ERAD 1 or 2	..	1	..	Completed Patrol Boat PCT and in possession of ERWCD. (*See* Note)
ERAD 2	..	1	..	For Ocean Passage (may be POMED or MECHD)
LME	..	..	1	May be A/ERAD2
MED..	..	..	2	May be A/ERAD2
EMP..	..	..	1	May be A/SAP2
EMC	..	..	1	May be A/SAC2
CK	..	..	1	For Ocean Passage and as required
Total	2	2	10	Non-Ocean Passage
Total	3	4	12	Ocean Passage

Note: For Ocean Passages complement borne must include MCCD and ERWCD qualifications, or PNF ERA posted for Patrol Boat Charge Duties. Ocean passage is defined as passage in the open sea outside bays, estuaries or sheltered waters.

Minimum Complement to be Borne in RANR Patrol Boats for Restricted Waters Training Passage—Daylight Runnning Only Within Sight of Land

13.

Rank	*OFFR*	*CPO*	*PO*	*JS*	*Remarks*
LEUT RLEX	1	..	..	..	In Command—To hold RANR RWKC and SSCC
LEUT RLEX	1	..	..	..	To hold RANR RWKC
CPOSMN	..	1	..	..	
LS SMN	..	..	..	1	
AB SMN	..	..	..	1	
ERAD1	..	1	..	..	To hold ERWCD and completed Patrol Boat PCT
LME	..	..	..	1	
EMWE	..	..	..	1	And for 'P' duties
EMC	..	..	..	1	And for 'WR' duties
RO	..	..	..	1	
Total	2	2	..	6	= 10
Accommodation ..	3	2	2	12	= 19
Training Billets Available	1	2	..	6	= 9

Note: For weapon firings (Bofors and Browning MG) a Senior QMG and 1 LSQMG who have completed the PB Gunnery PCT are to be borne. The Commanding Officer is similarly required to have completed this PCT.

14. For the purpose of Paragraph 13, the following areas have been designated Restricted Waters Training Passage:

a. New South Wales
An area extending from Port Hacking to Broken Bay.

b. Western Australia
The waters inside Gage Roads and Cockburn Sound.

c. Victoria
An area extending from Port Phillip Bay to Westernport Bay.

d. Queensland
An area extending from Point Danger to Double Island Point (Laguna Bay).

15. Navy Orders 412/69 and 96/70 are cancelled. RANOPS is being amended.

(311/52/74 DRNP)

(*Navy Orders 412/69 and 96/70*)

25679/70—2

Section 4

EQUIPMENT, STORES AND SERVICING

RESTRICTED

603/70—Ammunition—Demolition Stores—Introduction of New Range

(DCI (RN) 969/70)

Navy Order 420/70 is to be amended as follows:

Annex B

Delete Sub-paragraph 2b in its entirety.

Insert new Sub-paragraph 2b:

b. Trials carried out have established that the safety fuze will operate satisfactorily down to 300 feet provided that all connections are watertight. The burning rate in air is 120 ± 12 seconds per yard, but this will increase as soon as the safety fuze is immersed and will become progressively faster as depth is increased. The following table gives a guide to the burning rates which may be expected if the safety fuze is in water:

Depth (Feet)	*Approximate Burning Times (Seconds per Yard)*
0	100
60	80
120	70
180	65
240	60
300	55

(715/51/380 DAS)

(Navy Order 420/70)

UNCLASSIFIED

604/70—HMA Ships (Excluding Submarines)—Marking of Pipes and Gear Rods

1. The colour marking of pipes, flanges and gear rods is currently carried out in accordance with a chart included under Article 8003 in ABR 19 (RAN Painting Manual). It is no longer considered practical for Ships Companies to remember the meaning of the 38 different colour combinations involved.

2. In future, the only pipes identified with colours will be as follows:

RED (BS 537)	Firemain
YELLOW (BS 356)	Main Suction Lines
ORANGE (BS 557)	AVGAS Lines
BLUE (BS 104)	Fresh Water Lines
BROWN (BS 414)	FFO, AVCAT and DIESO Lines.

These pipes are to be coloured throughout.

3. Gear rods and all remaining pipes are to be painted with a topcoat colour appropriate to the compartment through which they pass. Flanges are no longer to be separately marked.

4. Distinctions between pipes are to be made by the use of printed, PVC, label-tapes affixed where best seen. Similar tapes are to be used on gear rods. The direction of fluid flow in each pipe is to be indicated by PVC arrow symbols.

5. Requirements of the label-tapes, which are detailed in ABR 5074 (RAN Catalogue of Stores) under Group Class 0461, should be demanded from SNSO, Sydney—Source Code 0027. A list of Defence Stock Numbers for the PVC arrow symbols is being prepared and will be issued shortly.

6. This policy is mandatory for new construction and is to be implemented progressively in existing ships as compartments become due for repainting.

(464/54/321 DSD)

RESTRICTED

605/70—Pressure Testing of Compartments—HMA Ships and Submarines

1. An incident occurred recently when the bulkhead door of a compartment that had been pressurised was opened before the pressure in the compartment was released. The door was thrown open with considerable force. There was potential danger to both material and personnel although on this occasion material damage was slight and no one was seriously hurt.

2. Commanding Officers and other authorities responsible for pressure testing or pressurising compartments are to ensure that a pressurised compartment is fully vented prior to opening associated bulkhead doors or hatches, otherwise serious damage to material and injury to personnel could result from even low pressure acting on the large surface area involved.

(1211/51/739 DSMR)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

606/70—ABR 5130—Standard Instructions for Accounting for Articles-in-use in HMA Store Depots, Dockyards and Other Non-commissioned Shore Establishments—Introduction

1. ABR 5130, which is in course of promulgation, will be issued without demand in accordance with the distribution detailed in Annex A to this order.

2. The purpose of this publication is to standardise the procedures for custody and accounting of Articles-in-use in Supply Depots, Dockyards and other Non-commissioned Establishments.

3. Where any Non-commissioned Establishment has been omitted from the distribution or if any additional copies are required, demands are to be submitted in the usual manner.

ANNEX A

Navy Office, Canberra	8
Navy Office, Melbourne	6
CSS Sydney	1
SSA Sydney	1
SGSO	6
SLSO	11
SSO (Air)	7
SMSO	8
SASO	7
SVSO	6
AFO Sydney	1
Internal Audit Branch, Eastern Division	1
GM Garden Island	7
GOSIEAA	1
Naval Ordnance Design and Inspection Branch, Sydney	1
RANRL	1
RANTAU	1
RANTE	1
RAN Hydrographic Service	1
RAN Armament and Weapon Equipment Establishment, Byford	1
GOSI Victoria	1
Naval Ordnance Design and Inspection Branch, Melbourne	1
RAN Armament and Weapon Equipment Establishment, Maribyrnong	1
General Manager Williamstown Dockyard	7
NSO Melbourne	1
Weapon Research Establishment, Salisbury	1
Naval Stores Section, Fremantle	1
ANRUK	1
ANA Washington	1

(700/59/150 DSUA)

UNCLASSIFIED

607/70—Fire Precautions Establishments Publication MBR 8942

1. The attention of Captains and Officers in Charge of Naval Shore Establishments is drawn to the existence of MBR 8942, being a compendium of Commonwealth Fire Board Circulars.

2. A current distribution list is controlled by SVSO, Sydney, who receives the Circulars as published by the Commonwealth Fire Board.

3. The recommendations contained in the Circulars should be followed, in so far as they can be applied within establishments in conjunction with any other specific regulations which may be applicable.

(1446/1/91 DNW)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

608/70—Fire Precautions Establishments

The following precautions are to be taken to minimise risk of fire in accommodation buildings:

a. Cabins or compartments shall be kept locked with windows secured when not in use.

b. Unused cabins or compartments shall not be used as storage space for combustible materials.

c. Spare mattresses shall be returned to stores and not kept in accommodation buildings.

(1446/1/91 DNW)

Printed for the Government of the Commonwealth by W. G. Murray, Government Printer, Canberra
25679/70—3

HISTORIAN

RESTRICTED

ANOs 609/70-620/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
23 December 1970.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

25892/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

UNCLASSIFIED

609/70—Designation of Frequencies

(*DCI (RN) 29/68*)

1. The term 'Hertz' is now being more frequently used in publications, correspondence, etc, in lieu of 'Cycles per second' (the two being synonymous).

2. Although the term 'Hertz' has not yet been officially introduced into the RAN the abbreviations used to specify frequencies are promulgated for information:

Hertz	Hz	
Kilohertz	KHz	.. (= 10^3 Hz)
Megahertz	MHz	.. (= 10^6 Hz)
Gigahertz	GHz	.. (= 10^9 Hz)
Terahertz	THz	.. (= 10^{12} Hz)

(16/8/41 DWE)

RESTRICTED

610/70—RADHAZ (Radio Hazards)—Definitions Approved for Use in the Royal Australian Navy

1. The following lists of RADHAZ definitions are approved for use in the Royal Australian Navy. They include terms in use by the Royal Navy and the United States Navy.

List One

2. This list of definitions, which are based on those used by the Royal Navy, are to be the terms used in the Royal Australian Navy except when referring to explosive ordnance of United States Navy origin:

a. *RADHAZ (Radio Hazards)* .. Hazards directly arising from electrostatic, electro-magnetic, inductive and other related phenomena affecting the safety and serviceability of electrically initiated explosive devices, the safety of fuels, and the safety of personnel.

b. *RADHAZ Safe* .. .. An explosive store whose electrically initiated explosive device (EIED) is so designed that the levels at which field intensities will bring it to a dangerous state are above those laid down in Naval Weapon Specification No 6 (NWS 6).

c. *RADHAZ Susceptible* .. An explosive store that does not meet NWS 6 standards and is susceptible to field intensities below the maximum levels expected. Such a store must be restricted to areas where the field intensity for each frequency band is below the safe level for the store concerned.

d. *Personnel Hazard* .. .. Radio hazards to personnel.

e. *Electrical/Explosive Hazard (E/EH)* The possibility of inadvertent operation of an electrically initiated explosive device (EIED) due to energy picked up by the electric circuit of the device and its connecting leads from an electro-magnetic field, or due to currents passing through the device from discharging of static electricity. ('Electro-magnetic field' includes induction and radiating fields however caused, eg, radio frequency (RF) transmissions, static discharges, low frequency alternating currents, transients, lighting, etc.)

f. *Electro-magnetic Compatibility (EMC)* The quality of an EIED in a defined environment of being immune from the effects of the electro-magnetic field existing in that environment.

g. *Man Aloft Hazard* .. .. Danger to personnel from moving or rotating antennae and from RADHAZ.

List Two

3. This second list of definitions are those used by the United States Navy. In the Royal Australian Navy these terms are only to be used when referring to explosive ordnance of United States Navy origin. They are:

a. *Radiation Hazards* .. .. The danger of either:
(1) spurious initiation of electro-explosive devices in ordnance; or
(2) injury to personnel; or
(3) spark ignition of fuel vapour,
from environmental radio frequency fields.

b. *Hero* .. .. .. Hazards of electro-magnetic radiation to ordnance containing electro-explosive devices (EED).

c. *Hero Safe Ordnance* .. Ordnance items that the negligibly susceptible to radio frequency environment, and require no field intensity restrictions during all phases of normal employment.

d. *Hero Susceptible Ordnance* .. (1) Ordnance items that are moderately susceptible to radio frequency environment and that require moderate field intensity restrictions for at least some phases of their normal employment.
(2) Any ordnance item containing EEDs that have been proven by tests to be adversely affected by rf energy to the point that the safety and/or reliability of the system is in jeopardy when the system is employed in expected shipboard rf environments.

e. *Hero Unsafe Ordnance* .. (1) Ordnance items that are highly susceptible to rf environment and that require field intensity restrictions for some or all phases of their employment.
(2) Any ordnance item is defined as being HERO UNSAFE when either:
(a) its internal wiring is physically exposed;
(b) tests are being conducted on it which require additional electrical connections;
(c) EEDs with exposed wire leads are present, handled or loaded;
(d) it is being assembled or disassembled; or
(e) the item is in a disassembled condition.

f. *Bio-effects* .. .. .. Hazards of electro-magnetic radiation to personnel.

(1600/8/7 DGFE)

UNCLASSIFIED

611/70—RAN Explosives Safety Committee—Composition and Terms of Reference

1. The Explosives Safety Committee has been re-constituted. It consists of:

Director of Naval Ordnance Inspection (Chairman)
Representatives of:
Director of Weapons and Electrical Engineering Design
Director of Armament Supply
Director of Surface and Air Weapons
Director of Underwater Weapons
Director of Fleet Maintenance
Department of Supply
*Director-General of Naval Design
*Director of Naval Quality Assurance
Naval Technical Services (Secretary).

Note: Directors asterisked would only be required to attend when items on the agenda concern their responsibilities.

2. The Committee is to advise the Naval Board and appropriate Navy Office Directorates:

a. On safety aspects of explosives and explosively loaded stores in HMA ships and establishments during storage, testing, assembling, handling and transport.

b. On Electrical Explosive Hazards (EEH) and Hazards of Electromagnetic Radiation to Ordnance (HERO), as co-ordinated by the RADHAZ Committee.

c. On Electro-magnetic Compatibility in those aspects where safety is involved, as co-ordinated by the RADHAZ Committee.

d. On safety aspects of explosives and explosively operated stores of foreign origin before their introduction into the RAN.

The Committee also is to:

e. Initiate Australian amendments or supplements to publications containing matters related to explosives and explosively loaded stores.

f. Initiate such trials of explosively loaded stores as may be necessary to ensure that they are safe in the environments in which they are to operate and in which they are transported.

3. The Committee may co-opt members of other Directorates and Establishments as required. The Committee may appoint working parties of technical specialists to investigate particular problems.

4. Any matters concerning explosives safety not covered by existing regulations or instructions are to be referred to Navy Office. So too are matters when it is thought the existing regulations or instructions are inadequate or in error.

(1600/8/7 DGFE)

UNCLASSIFIED

612/70—Royal Australian Navy RADHAZ Committee—Composition and Terms of Reference

1. A RADHAZ (Radio Hazards) Committee has been established in Navy Office to co-ordinate all matters concerned with RADHAZ as defined in Navy Order 610/70.

2. The Committee consists of:

Co-ordinator of Naval Safety (Chairman)

Representatives of:

Medical Director-General
Director of Naval Ordnance Inspection
Director of Ship Design
Director of Fleet Maintenance
Director of Weapons and Electrical Engineering Design
Director of Naval Quality Assurance
Director of User Requirements
*Director of Aircraft Engineering
*Director of Armament Supply

Representative of Assistant Secretary, Naval Staff (Secretary).

Note: Directors asterisked will only be required to attend when items on the agenda concern their responsibilities.

3. The Committee is required to form a central advisory authority and co-ordinating body on all aspects of RADHAZ problems in HMA ships, aircraft and establishments. This does not include hazards caused directly by radio-active material and

ionising emissions. The Committee is to advise the Naval Board and appropriate Navy Office Directorates on:

a. Electrical Explosive Hazards (EEH) and Hazards of Electromagnetic Radiation to Ordnance (HERO) due to radio frequency or static electricity emissions in ships, aircraft and establishments, including the additional problems of adjacent units emissions;

b. health hazards to personnel caused by RADHAZ;

c. fuel danger caused by RADHAZ;

d. RADHAZ safety limits, and measurement standards affecting the acceptance of weapons, sensors and communications;

e. RADHAZ aspects of equipment design and ship design; and

f. the requirements for RADHAZ trials.

4. They are to sponsor RAN publications, or RAN supplements to RN/USN publications, on radiation hazards.

5. Matters affecting explosives safety should be referred to the Explosive Safety Committee.

6. The Committee may co-opt members of other Directorates and establishments as required. The Committee may appoint working parties of technical specialists to investigate particular problems.

(1600/8/7 DGFE)

(*Navy Order 610/70*)

Section 2

PERSONNEL

UNCLASSIFIED

613/70—Canteens—Acceptance of Personal Cheques

1. The Naval Board have approved the relaxation of the provisions of RI Article 1525 (3) for a trial period of 12 months to allow personal cheques to be accepted in Service System Canteens in certain circumstances in payment for purchases.

2. Commanding Officers of HMA ships and establishments may, upon the recommendation of the Welfare Committee and Business Manager, authorise the acceptance of personal cheques in Service System Canteens for purchases in excess of $5 provided the cheque is drawn for the exact amount and no change or credit is given. This authorisation is to be given on the understanding that officers and sailors of the ship or establishment concerned assume full responsibility in connection with the transactions.

3. Reports on this trial are to be forwarded to the Secretary, Department of the Navy, on 31 January 1972.

(121/54/87 DFSD)

UNCLASSIFIED

614/70—Issue of Uniform to RAN Volunteer Reserve Personnel

1. RANVR Officers and Sailors have no entitlement to issue of uniform kit unless they are:

a. carrying out continuous full time service either voluntarily or after call up by proclamation;

b. regularly carrying out part time naval service or continuous training with the approval of the Director of Naval Reserves and Naval Dockyard Police;

c. members of the Reserve Legal Panel.

2. In the case of Paragraph 1a, the entitlement will be proposed by the Director of Victualling taking into account the time to be served, previous issues and the locality in which the service will be rendered.

3. First issues in respect of Paragraphs 1b and 1c will be authorised by the Director of Victualling upon the recommendation of the Director of Naval Reserves and Naval Dockyard Police.

4. The scale, taking into account the factors mentioned in Paragraph 2, will normally be that issued to members of the RAN Emergency Reserve as listed in current Navy Orders. Replacement of uniform will be in accordance with the procedures applicable to that force.

(930/51/202 D of V)

UNCLASSIFIED

615/70—Training of Indonesian Service Personnel in Australia—Financial Conditions

1. From time to time Indonesian Service Personnel will be undergoing training with the Royal Australian Navy. Approval has been given for these personnel to be paid allowances and entitlements in accordance with the terms and conditions which are applied to the Malaysian Service Personnel training under the Australian Aid to Malaysia Programme. These terms and conditions are contained in Navy Order 390/68.

2. Payment of allowances is to be made by the ship in which training is carried out direct to trainees as a charge to Division 634/0/15 (119) and no recovery action is required.

3. Rates of allowances are:

Allowance	*Rate*
Living	$1.00 per day or $4.38 per day
Movement	$1.20 per day
Clothing	$40.00

4. Clothing allowance is to be paid to trainees on joining, living allowance at intervals not exceeding each pay fortnight and movement allowance following each occasion on which entitlement occurs. A record is to be established for entitlements and payments to show details of each trainee. When trainees are transferred to another ship the details of payments made to date are to be advised to the receiving ship.

5. A monthly return of all travel warrants issued is to be forwarded to the Director of Navy Accounts.

(1600/2/102 HPB)

(*Navy Order 390/68*)

UNCLASSIFIED

616/70—Vaccination and Immunisation

1. The World Health Organisation is to introduce revised forms of International Certificates of Vaccination against SMALLPOX, CHOLERA and YELLOW FEVER with effect from 1 January 1971.

2. Vaccinations or re-vaccinations carried out on and after 1 January 1971 MUST BE CERTIFIED ON THE NEW STYLE INTERNATIONAL CERTIFICATES. It will be noted that the changes in the new certificates are 'MANUFACTURER' for ORIGIN in the third column of the Smallpox and Yellow Fever certificates and the addition of a footnote on all three certificates which require that all certificates must be signed by a medical practitioner.

3. The existing International Certificates will continue to be acceptable for international travel purposes for the remaining period of their validity.

4. Stocks of the new certificates (Form PM136) should be obtained through the normal service sources of supply as soon as possible to ensure that they are available for use on 1 January 1971.

5. Navy Order 182/70 is to be amended as follows:

a. **Paragraph 7,** last line, *delete* '1967' and *insert* '1971'.

b. **Paragraph 8,** 1st line, *delete* '1967' and *insert* '1971'.

c. **Paragraph 10,** 2nd and 5th lines, *delete* '1967' and *insert* '1971'.

d. **Paragraph 11,** 1st line, *delete* '1967' and *insert* '1971'.

(327/54/87 MDG)

(*Navy Orders 182/70, 292/70 and 381/70*)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

617/70—Accounting for Stores in HMA Ships—Report of the Finance and Stores Accounting Steering Committee Working Party

1. The establishment by the Finance and Stores Accounting Steering Committee of a Working Party to investigate the general question of accounting for stores and equipment in HMA ships was notified in Navy Order 220/68. The Working Party has completed its investigations and as a result of the studies carried out a number of changes in existing stores accounting procedures in HMA ships and commissioned establishments have been approved by the Naval Board.

2. The purpose of this Navy Order is to promulgate for information only broad details of the changes which will be implemented as circumstances permit. It is emphasised that this Navy Order does not constitute authority to implement any of the changes.

3. The principle changes approved are as follows:

a. The Supply officer to be responsible for the accounting (including allowances) of all categories of stores except Fuel Oil and Fresh Water and for the custody of all categories of stores except Fuel Oil, Fresh Water and Explosives. Responsibility for the exceptions to remain with the Engineer officer (Fuel Oil and Fresh Water) and the Gunnery officer (Explosives).

b. Common forms to be used for ledger recording of all categories of stores, except Provisions.

c. Where circumstances permit, card systems to be introduced to replace loose leaf ledger binders and provision to be made accordingly in new construction ships.

d. Ledger pages/cards to be arranged in left justified sequence of catalogue numbers irrespective of accounting classification.

e. Ledger pages/cards for both stock items and Articles-in-use to be filed in the same ledger, the AIU pages to be filed together behind the stock pages for the appropriate Group Class.

f. The stock columns of the ledgers to be relieved in respect of all issues.

g. The serial numbering of ledger pages to be extended to DDGs in view of the mandatory requirement in Treasury Direction 32/52 for the maintenance of a suitable control index for stores accounts.

h. A simplified system, involving new forms to be introduced for the registration of ledger pages.

i. New forms to be introduced for use as reports of discerpancy/damage in transit.

j. The present requirement for 100 per cent check of ledger postings to be cancelled and replaced by periodic test checks to be carried out at irregular intervals by the Store Accounting officer.

k. In conjunction with the introduction of RAN type COSALS, Lists of Equipment, etc, to be phased out of use.

4. The following changes have been approved subject to Commonwealth Audit concurrence and Treasury approval:

a. Following the phasing out of List of Equipment, etc, Paragraph 2k, all equipments of a fixed nature, eg, air conditioning plants, ventilation systems, etc, and their components, to be treated not as separate items of stores but as an integral part of the main asset, ie, the ship. However, all such items to be included in the COSAL and be subject to validation checks on commissioning and prior to each occasion on which the ship is subjected to SOAP. It will also be a requirement that any valuable attractive items included in this category are subject to periodic inspection on board to see that they are complete in all respects.

b. Other items at present accounted for in Lists of Equipment, etc, ie, portable items and those easily rendered portable, together with existing permanent loan type items, to be accounted for in two part Articles-in-use accounts.

c. The acquittance and return of No 4 copy of issue vouchers for consumable stores, except those classified as Valuable and Attractive, to be discontinued.

5. Further consideration will be given to the following proposals on receipt of the results of trials and after detailed assessment as necessary by Technical and/or other authorities concerned:

a. The existing record of technical drawings carried on board, ie, G pages of the Lists of Equipment, etc, to be replaced by the procedure currently operating in the DDGs, ie, all drawings re-produced on micro film, mounted on aperture cards and indexed to provide a suitable ready reference.

b. A consolidated listing of all stores, other than Provisions, carried in HMA submarines, to be produced in the form of a computer print-out for use as a combined record of allowances, stockholdings, stowage and consumption.

6. The Finance and Stores Accounting Steering Committee has appointed a sub-committee to assist in the implementation of the procedures outlined above, to act as a focal point for receiving suggestions and to carry out further detailed investigations as required. This Sub-committee titled 'Fleet Store Accounting Sub-committee' comprises representatives of the Director of Fleet Supply Duties (Chairman), the Director of Supply Administration, the Director of Methods and where EDP aspects are involved, the Assistant Secretary (EDP).

7. Details of action to be taken to implement the changes will be promulgated progressively. The new procedure referred to at Paragraph 3j was promulgated in ACNB Message 050632Z November 1970.

(400/1/388 DSUA)

(Navy Order 220/68)

UNCLASSIFIED

618/70—Emergency Underwater Repairs to Sonar Domes

1. The undermentioned kit has been introduced into the RAN for Emergency Repairs to Sonar Domes:

Group	*Class*	*Catalogue No*	*Description*	*CL*	*DQ*	*Allowance*
5130	—	66–037–0979	Drill, Pneumatic, Portable ..	P	No	1
0275	—	120–5624	Riveter 'Pop'	P	No	1
5133	—	66–014–0503	Drill Twist	C	No	3
9515	—	66–030–2988	Steel Sheet-Carbon, Zinc Coated	C	Sht	1
5320	—	66–013–6455	Rivet, Blind	C	No	100
5320	—	66–013–6454	Rivet, Blind	C	No	100
5320	—	66–015–0659	Rivet, Blind	C	No	100

Procedure

2. It is important that where possible a form of platform, from which the diver can work, be provided:

a. Survey and determine extent of damage.

b. Measure the area, determine the size of patch required, ensuring an ample overlap into solid material. (*See Note* 1.)

c. Cut the steel patch to fit.

d. Drill the holes in the material, ¼ inch in from the edge, and ¾ inch to 1 inch apart around the perimeter of the patch.

e. Fair the hole, so that the patch will lie smooth, and so that flapping bits are removed.

f. Check fit the patch; determine the starting edge.

g. Using the patch as a template, drill the first hole, normally an upper corner, and install the first rivet. (*See Note* 2.)

h. Drill the holes, using the patch as a template, singly, along the starting edge, and rivet the patch as each hole is drilled. Keep the edge as smooth and tight as possible.

i. Working alternately top and bottom, drill and rivet the patch as tightly and as smoothly as possible around the damaged area, conforming to the variations in the skin (ie, dents, etc) throughout.

Note: 1. It is emphasised that the patch if possible should be extended to fit over the forward part of the dome to assist the patch holding by water pressure; also to prevent noise along an exposed edge.

2. Some difficulty may be experienced in trying to miss the frames inside the dome.

3. This method is an emergency 'first aid' measure for use by Ships Divers. The repair can be carried out alongside, at any quiet anchorage or at sea in calm water.

Issue

4. The kits have been allowed as follows:

a. One kit to HMAS PENGUIN for training purposes at the Diving School. This set will be supplied without demand by the appropriate Superintending Stores Officer.

b. One kit per ship proceeding to Strategic Reserve. The kits will be held in store and demands are to be lodged with the Superintending Naval Stores Officer by the ships concerned, prior to deployment. At the end of the ships tour of duty, the kit is to be returned to the appropriate Superintending Stores Officer, Sydney, for re-issue as required.

(400/2/878 DSUS)

UNCLASSIFIED

619/70—Naval Stores (General)—Stores for NBCD Purposes, Usages and Allowances

1. Revised allowances of Naval Stores for NBCD purposes in HMA ships and establishments are shown in Annexes A to D to this order.

2. Demands to complete to the revised allowances are to be placed on the Superintending Naval Store Officer, Sydney. Supply will be effected as stocks become available and demands should not be hastened.

3. Although it is anticipated that the 0415/5860 Vapour Detector Kit will become obsolescent, issue of this equipment should continue until stocks become exhausted or a replacement item is introduced.

4. RAN Allowance List LE38 has been cancelled and will be re-issued as RANAL (Cat) 61 in due course.

ANNEX A

Naval Stores for NBC Purposes—Allowances to HMA Ships

Group/ Class (1)	Catalogue Number (2)	Description (3)	ACC-TO Class (4)	DQ (5)	CVS AP (6)	AO (7)	AD (8)	DDG (9)	DD (10)	DE (11)	MSC MHC (12)	AGOR AGSC AGS (13)	PTF (14)	SS (15)	AG (16)	Re-marks (17)
0552	911–0286 or 0552 911–0001	Dosimeter QF 0–05R	P	No	6	—	6	—	2	2	—	2	—	2	—	
0552	911–0101 or 0552 911–0002	Dosimeter 0–5R	P	No	12	4	12	—	4	4	2B	4	2B	4	—	
0552	911–0393 or 0552 911–0003	Dosimeter 0–50R	P	No	50	5	50	—	10	10	2B	10	2B	5	—	
0552	911–0410 or 6665 99–911–0269	Dosimeter 0–150R	P	No	50	5	50	—	10	10	2B	10	2B	5	—	
6665	99–911–0228	Dosimeter 0–500R	P	No	12	1	12	—	3	3	1B	3	1B	1	—	
6665	99–911–0004	Dosimeter charging unit dose rate meters	P	No	6	2	6	—	2	2	1B	2	1B	2	—	
0552	911–0130	Meter survey—Radiac No 2	P	No	12A	1	12A	—	4	4	1B	4	—	—	—	
0552	911–0227	Meter dose rate portable trainer	C	No	8	—	8	—	2	2	—	—	—	—	—	
0552	308	Watch pocket	P	No	12A	1	12A	—	4	4	—	3	—	—	—	
6665	99–911–0107	Contamination meter No 1 Mk II	P	No	6A	3	6A	—	3	3	1B	3	1B	—	—	
0558	940–0046	Receiver headgear for contamination meter	P	No	6	3	6	—	3	3	1B	3	1B	—	—	
0552	911–0028	Mains power unit for contamination meter	P	No	5	2	5	—	2	2	1B	2	1B	—	—	
0552	911–0029	Vibrator unit combination meter	P	No	1	1	1	—	1	1	1B	1	1B	—	—	
0552	911–0030	Battery holder for contamination meter	P	No	1	1	1	—	1	1	1B	1	1B	—	—	
0552	911–0057	Water contamination calculator No 1	C	No	3	—	3	—	2	2	1B	2	—	—	—	
0552	911–0027	Slide rule radiac No 1	P	No	3	1	3	—	2	2	1B	2	—	—	—	
0621	000–2886	Valve	C	No	3	—	3	—	2	2	1B	2	—	—	—	
0552	911–0112	Calibration test set No 2	P	No	1	—	1	—	1	1	—	1	—	—	—	
0552	911–0097	Calibration source and jig for water contamination meter	P	No	1	—	1	—	1	1	—	1	—	—	—	
6665	99–911–0098	Jig, calibrating, with radio-active source 'G' (5 M/C) for survey meter	P	No	1	—	1	—	1	1	—	1	—	—	—	
0552	911–0099	Calibration source and jig for contamination meter	P	No	1	—	1	—	1	1	—	1	—	—	—	
6065	99–911–0016	Source, radio-active B, No 1, cobalt	P	No	20	—	20	—	10	10	—	10	—	—	—	
6665	99–911–0012	Meter contamination No 1 Mk 1	P	No	—	—	—	—	4C	—	—	—	—	—	—	
0552	911–0021	Container	C	No	—	—	—	—	1C	—	—	—	—	—	—	
0552	949–1376	Dosimeter	P	No	12D	—	—	—	4C	—	—	—	—	—	—	
6665	00–543–1435	Dose rate meter AN PDR 27J	P	No	—	—	—	10Q	—	—	—	—	—	—	—	
6665	00–017–8903	Dose rate meter AN PDR 27Q	P	No	—	—	—	10T	—	—	—	—	—	—	—	
6665	00–580–9646	Dose rate meter AN PDR 43	P	No	—	—	—	6Q	—	—	—	—	—	—	—	
6665	00–738–5867	Dose rate meter AN PDR 43D	P	No	—	—	—	6R	—	—	—	—	—	—	—	
6665	00–793–3006	Dose rate meter AN PDR 56	P	No	—	—	—	2Q	—	—	—	—	—	—	—	
6665	00–078–5657	Dose rate meter AN PDR 56B	P	No	—	—	—	2R	—	—	—	—	—	—	—	
6665	00–171–7970	Dosimeter DT–60 PD	P	No	—	—	—	4Q	—	—	—	—	—	—	—	
6665	00–679–5628	Dosimeter charging unit	P	No	—	—	—	4S	—	—	—	—	—	—	—	
6665	00–526–8645	Dosimeter reader	P	No	—	—	—	2R	—	—	—	—	—	—	—	
0264	5695/L1	Bins, with cover, 22 inches x 19 inches x 15 inches	C	No	6	6	6	3	3	3	3	3	—	—	1E	
0264	3591	Tray bleach	C	No	6	6	6	3	3	3	3	3	—	—	1E	
0415	5860	Vapour detector kit, complete	P	No	14	5	14	5	5	4	4	4	MEN	—	2E	
0473	5365	GTM No 5	C	GL	2	1	2	2	2	1	1	1	—	—	—	
0473	3562	Powder, gas detectine	C	T1	8	4	8	4	4	4	2	2	2EN	—	2	
0474	150–L1	Bleach powder, super tropical, 30 PC	C	CT	20	5	20	5	5	5	5	5	½EN	—	½E	
0474	6196	Ointment, anti-gas No 6	C	TI	FH	FH	FH	FH	FH	FH	FH	FH	EFN	—	EF	
0474	7001	Ointment, British, Anti-Lewisite (Bal.)	C	ST	KHN	KHN	KHN	KHN	KHN	KHN	KHN	KHN	EFN	—	3EN	
0474	943–1548	Greece, protective PX6	C	LB	56	14	56	14	14	14	14	14	3P	—	3	
0476	943–2816	Brush, hand, large	C	No	30	10	30	10	10	10	10	10	2P	—	2	
0476	943–2854	Brush, scrub deck	C	No	30J	10J	30J	10J	10J	10J	10J	10J	—	—	3	
0476	943–2786	Brooms, bass, 23 oz	C	No	30	10	30	10	10	10	10	10	2P	—	2	
0476	943–0402	Brush, painter, distemper	C	No	30	10	30	10	10	10	10	10	2P	—	2	
0461	5899	Shield, eye, anti-gas	C	No	MN	MN	MN	MN	MN	MN	MN	MN	MN	—	G	
0461	1701	Handles, wooden	C	No	M	M	M	M	M	M	M	M	MP	—	M	
0461	5901	Paper, differential detector	C	SH	500	200	500	200	200	200	100	100	100	—	100	
0461	5898	Sacks, paper, gas proof, 45 inches x 24 inches	C	No	K	K	K	K	K	K	K	K	—	—	K	
0461	5897	Bags, string	C	No	L	L	L	L	L	L	L	L	—	—	L	
0461	5248	Pin, route eye	C	No	12	4	12	4	4	4	4	4	—	—	—	
		Dosimeter, individual, QF No 4A Obsolescent type (911–0410), possible substitute	U	—	—	—	—	—	—	—	—	—	—	—	—	

Notes:

A—Plus 2 additional for decontamination of aircraft.
B—To be held at base and issued in time of war only.
C—VENDETTA only.
D—SYDNEY only.
E—Not when on harbour service.
F—Number equal to 50 per cent of wartime complement.
G—Number equal to the wartime complement.
H—Plus additional quantity for Landing Parties, (on basis of 1 tin ointment and 4 eyeshields for each member of landing organisation, viz., 50 per cent of total complement except wardroom, etc., attendants and native ratings.)

J—If fitted with wooden decks.
K—Number equal to 10 per cent of wartime complement.
L—Number equal to 25 per cent of wartime complement.
M—As required for brushes and scrubber.
N—Supplied in war only when specially ordered.
P—Held at base for issue in war when required.
Q—PERTH only.
R—Except PERTH.
S—HOBART only—2 No.
T—Except 8 No to HOBART—Nil to PERTH.
U—Obsolescent type existing stores used. No further purchases. Sec. 911/0107.

ANNEX B

Radiac Instruments for NBC Purposes—Allowances for Establishments

Group/ Class (1)	*Catalogue Number* (2)	*Description* (3)	*Acctg. Class* (4)	*WATERHEN for AUSMIN. RON I* (5)	*HMA Naval Dock-Yards* (6)	*RAN Arma-ment Depots* (7)	*HMA Yards and Depots* (8)	*PENGUIN (including NBCD School)* (9)	*CERBERUS LEEUWIN (for NBCD Schools)* (10)	*CERBERUS (for WEE Division)* (11)	*HMA Establish-ments Comp. 1,000+* (12)	*HMA Establish-ments Comp. 1,000−* (13)
		Dosimeters Quartzfibre										
0552	911–0286	0–0.5R	P	6	5	3	2	30	20	6	6	2
0552	911–0001											
0552	911–0101	0–5R	P	2	60	40	20	5	5	6	12	6
0552	911–0002											
0552	911–0393	0–50R	P	2	120	80	40	15	10	—	24	12
0552	911–0003											
0552	911–0410	0–150R	P	2	20	—	—	2	2	—	—	—
0552	911–0269											
0552	911–0228	0–500R	P	1	—	—	—	2	2	—	5	2
6665	99–911–0004	Dosimeter charging unit ..	P	2	3	3	2	6	(*a*)	1	4	3
		Dose Rate Meters										
0552	911–0130	Meter Survey Radiac No 2 ..	P	2	6	6	6	10	5	1	12	4
0552	911–0227	Meter dose rate portable trainer ..	C	4	1	—	—	30	20	1	4	2
		Contamination Meter and Accessories										
6665	99–911–0107	Contamination meter No 1 Mk II	P	2	6	6	6	5	5	1	6	3
0558	940–0046	Receiver headgear for contamination meter	P	2	6	6	6	5	5	1	6	3
0552	911–0028	Mains power unit for contamination meter	P	1	2	2	2	4	4	1	4	2
0552	911–0029	Vibrator unit contamination meter	P	1	8	4	4	1	1	1	2	1
0552	911–0030	Battery holder for contamination meter	P	1	4	4	4	1	1	1	2	1
		Radiac Calculators										
0552	911–0057	Water contamination calculator No 2	C	2	3	1	1	10	5	1	3	2
0552	911–0027	Slide rule radiac No 1	P	2	2	1	40	20	1	1	2	2
0621	000–2886	Valve	P	6	3	1	1	10	5	1	3	2

(*a*) 4 No to CERBERUS, 2 No to LEEUWIN.

ANNEX C

Naval Stores for NBC Purposes—Allowances for Establishments

Group/ Class (1)	*Catalogue Number* (2)	*Description* (3)	*Acctg. Class* (4)	*Remarks* (5)	*DQ* (6)	*Qty* (7)	*Note* (8)
0251	L50180	Whistles, mouth, single type, chain attached	C	—	No	—	As required in Warden Sections
0264	5695/L1	Bins, with cover, 22 inches high x 19 inches top diameter x 15 inch bottom diameter	C	For contaminated clothing	No	1	Per Decontamination Team
0264	1032	Buckets, hand	C	—	No	2	Per Decontamination Team
0264	3591	Trays, bleach, 3 feet 2 inches x 2 feet 2 inches x 4 inches	C	For mixing bleach, etc.	No	—	As required
5120	99–910–5938	Shovels, square mouth 10 inches x 12¼ inches	P	—	No	2	Per Decontamination Team
0276	910–5949	Spades, digging or garden 8 inches x 12 inches	P	—	No	2	Per Decontamination Team
0411	47–L1	Handcarts	P	—	No	1	Per Decontamination Team
0415	5860	Vapour detector kit, complete comprising: 1 Hold-all, canvas 1 Pump 1 Rack for components 1 Water bottle with dripper	P	Distinguishes between mustard and nerve gases when contaminated air is drawn through chemically treated filter papers contained in buttons inserted into the top of a pump	No	20	Per large establishment—A. Provisional allowance for planning purposes only. (A large establishment is one of 500 or more men borne or employed.)

ANNEX C—*continued*

Group/ Class (1)	Catalogue Number (2)	Description (3)	Acctg. Class (4)	Remarks (5)	DQ (6)	Qty (7)	Note (8)
0415—*cont.*		1 Set of instructions					
		1 Spare valve for pump					
		7 Holders, red, filled with 10 red buttons	C				
		7 Holders, white filled with 10 white buttons	C				
		2 Holders, orange, filled with 100 capillary tubes	C				
		2 Filter holders (blue) with 10 filters	C				
		4 Applicators	C				
		2 Tablet tubes. white, filled with 13 tablets A	C				
		2 Tablet tubes, orange, filled with 13 tablets Z	C				
0473	3562	Powder, gas, detecting, in 1½ lb tins approx.	C	Distinguishes between mustard and nerve gases by different colour reactions for sprinkling in places difficult of access	TI	1 1	Per Warden .. .. Per Decontamination Team } Plus 50% Spare
0473	5365	Gas training mixture, GTM 5D	C	Mustard gas simulant	GL	—	As required for training schools only
0473	5385	Sodium silicate (water-glass)	C	For sealing concrete floors and other porous surfaces	LB	—	As required
		Gas training mixture GTM6 consisting of:					
0442	10663	Odorous liquid	C	—	TI	1	As required for Training Schools only
0442	10664	Thickening powder	C	—	PK	1	
0443	10665	Sodium metephosphate	C	—	TI	1	
0474	150L1	Bleach powder, super tropical 30 per cent	C	Lime chloride	CT	20	Per 5 acres of effective area*
0474	6196	Ointment, anti-gas, No 6	C	—	TI	1	Per member of complement borne. Per member of civilian complement liable to remain exposed during attack
0474	943–1548	Grease protective PX6 in 7 lb tin.. ..	C	For mixing in the proportion of 1 lb to 14 lb of bleach paste for making the latter stick to vertical painted surfaces and deckheads, and also for improving the protective qualities of leather boots	CT	1	Per Decontamination Team
0474	7001	Ointment, eye, British, anti-lewisite (BAL)..	C	—	ST	—	War issue only
0476	943–2786	Brooms, bass, 23 oz	C	For removing or spreading bleach paste	No	2	Per Decontamination Team
0476	943–2854	Brush, scrub, deck	C	For scrubbing decks and wooden floors with bleach paste and sand	No	2	Per Decontamination Team
0476	943–2816	Brush, hand, large	C	For scrubbing wooden tables, woodwork of vehicles, etc, contaminated by liquid gas	No	2	Per Decontamination Team
0476	943–0402	Brush, painter, distemper, fibre	C	For applying bleach paste to vertical and overhead surfaces	No	2	Per Decontamination Team
0461	5248	Pin, push, route eye	C	—	No	1	Per Warden Post
0461	5897	Bags, string	C	For carrying contaminated clothing to civil laundries	No	1	Per member of naval complement borne plus 50 per cent of the maximum number of civilians expected to be employed
0461	5898	Sacks, paper, gas-proof, 45 inches x 24 inches	C	For carrying contaminated clothing to the decontamination centre of an establishment	No	—	For 10 per cent of the maximum numbers expected to be borne or employed
0461	5900	Pathway, anti-gas	C	—	Yd	25	Per 5 acres of effective area* for naval air stations only
0461	5901	Paper, differential detector 12 inches x 18 inches in sets of 100 sheets	C	Distinguishes between mustard and nerve gases by different colour reactions. Pieces 12 inches x 18 inches to be fitted to boards as indicators	ST	—	As required
0461	5903	Indicators, contaminated ground	C	—	No	6	Per Warden Post
0461	5904	Boards, notice, safe-route	C	—	No	6	Per Warden Post
0461	1701	Handles, broom, etc	C	Bass broom and squeegee 1⅛ inches x 4 feet 6 inches	No	4	Per Decontamination Team

* Effective Area is the Total Area of the Establishment, excluding Pleasure Grounds, Waste Lands and Water Areas. Naval Air Stations should provide for 25 per cent only of the Airfield, exclusive of runways and Approaches.

ANNEX D

Test Equipment—NBCD Equipment—Allowances for Establishments

Group/ Class (1)	Catalogue Number (2)	Description (3)	Acctg. Class (4)	*WATERHEN for AUSMIN. RON I* (5)	*HMA Naval Dock-Yards* (6)	*RAN Arma-ment Depots* (7)	*HMA Yards and Depots* (8)	*PENGUIN (including NBCD School)* (9)	*CERBERUS LEEUWIN (for NBCD Schools)* (10)	*CERBERUS (for WEE Division)* (11)	*HMA Establish-ments Comp. 1,000+* (12)	*HMA Establish-ments Comp. 1,000−* (13)
		Test Equipment/Calibration Jigs										
0552	911–0112	Calibration test set No 2 ..	P	2	1	1	1	1	1	1	1	1
0552	911–0097	Calibration source and jig for water contamination meter	P	2	1	1	1	1	1	1	1	1

ANNEX D—*continued*

Group/ Class (1)	*Catalogue Number* (2)	*Description* (3)	*Acctg. Class* (4)	*WATERHEN for AUSMIN. RON 1* (5)	*HMA Naval Dock-Yards* (6)	*RAN Arma-ment Depots* (7)	*HMA Yards and Depots* (8)	*PENGUIN (including NBCD School)* (9)	*CERBERUS LEEUWIN (for NBCD Schools)* (10)	*CERBERUS (for WEE Division)* (11)	*HMA Establish-ments Comp. 1,000+* (12)	*HMA Establish-ments Comp. 1,000−* (13)
6665	99–911–0098	Jig, calibrating with radio-active source 'G' (5 m/c) for survey meter	P	2	1	1	1	2	2	1	1	1
0552	911–0099	Calibration and jig for contamination meter	P	2	1	1	1	2	2	1	1	1
6625	99–911–0014	Measuring set high resistance ..	P	—	1	—	—	1	—	1	1	1
0657	89	Adaptor—High impedance ..	P	1(*a*)	2	—	—	1	—	1	1	1
		Sources										
6665	99–911–0016	Type B	—	20	10	10	10	20	20	10	10	10
6665	99–911–0017	Type C	—	—	—	—	—	12	12	—	—	—
6665	99–911–0018	Type D	—	—	—	—	—	12	12	—	—	—

(a) If not already allowed to base for Crete.

(501/251/29 DSUS)

UNCLASSIFIED

620/70—Uniform—Leading Cooks Working Dress—Rank Badges

1. Approval has been given for Leading Cooks to wear a woven blue on white rank badge (No Catalogue 65002) with the new style cooks working dress introduced by Navy Order 351/70.

2. The rank badge is to be worn immediately above the branch badge, the latter being lowered sufficiently to make a balanced arrangement.

3. Gratuitous issue of four rank badges is to be made to leading cooks whose engagement will not expire before 30 June 1971 or whose engagement will expire and who re-engages.

4. Leading Cooks of the RANER, CNF and PNG Division are to be issued with the rank badge in accordance with the procedures for issue contained in Paragraphs 5 and 6 of Navy Order 351/70.

5. ABR 93, Manual of Victualling Stores, Part II, Section 2, Scale 9 (A), will be amended.

(*Navy Order 351/70*) (917/51/42 D of V)

Printed for the Government of the Commonwealth by W. G. MURRAY, Government Printer, Canberra
25892/70—3

HISTORIAN

RESTRICTED

ANO 621/70

AUSTRALIAN NAVY ORDER

Navy Office, Canberra,
30 December 1970.

The enclosed order is promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Randau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

FOR OFFICIAL USE ONLY

26167/70

RESTRICTED

Section 3

OPERATIONAL AND TRAINING

RESTRICTED

621/70—Officers—Course Programme 1971

1. The programme of Officer courses for 1971 is detailed in Annex A to this order. ABR 27 Volume III should be consulted to determine the appropriate method of nomination for any given course.

2. In accordance with Naval Board policy, courses for Commanding Officers-designate will be arranged automatically by Navy Office as the requirement arises.

3. Alterations and additions to the course programme will be promulgated by amendments to this order.

Amendment List

Amendment No	*Authority Date*	*Corrected By Date*

ANNEX A

OFFICERS COURSE PROGRAMME—1971

EDP No	*Course*	*Location*	*Duration (Days) Instruction*	*Dates*	*Remarks*
	Aircrew				
901711	Basic air training course ..	CERBERUS ..	55	— 19.2.71	Course 4/70
				1.3.71— 14.5.71	BATC 1/71
				7.6.71— 20.8.71	BATC 2/71
				30.8.71—12.11.71	BATC 3/71
				22.11.71— 18.2.72	BATC 4/71
901102	Observer	RAAF EAST SALE	255	8.1.70— 22.1.71	—
				25.6.70— 9.7.71	
				7.1.71— 21.1.72	
				24.6.71— 7.7.72	
901100	Pilot	RAAF PT COOK and PEARCE	—	22.2.71— 24.3.72	EX BATC 4/70
901101	—			17.5.71— 30.6.72	EX BATC 1/71
				23.8.71— 29.9.72	EX BATC 2/71
				15.11.71—15.12.72	EX BATC 3/71
901130	Helicopter conversion ..	ALBATROSS ..	70	18.1.71— 26.4.71	—
				18.10.71— 11.2.72	
901131	Helicopter OFS	ALBATROSS ..	120	T.B.C.	—
901132	Tracker OFS	ALBATROSS ..	115	8.3.71— 16.8.71	—
				30.8.71— 28.2.72	
901133	Skyhawk OFS	ALBATROSS ..	110	4.1.71— 7.6.71	—
				5.7.71— 6.12.71	
901103	Air traffic control	RAAF EAST SALE	100	26.1.71— 18.6.71	—
				10.5.71— 24.9.71	
				2.8.71—17.12.71	

EDP No	Course	Location	Duration (Days) Instruction	Dates	Remarks
	Aircrew—*continued*				
901104	Flying instructor	RAAF EAST SALE	75	11.1.71— 30.4.71 10.5.71— 20.8.71 30.8.71—10.12.71	—
901106	QUADRADAR	RAAF EAST SALE	30	26.1.71— 5.3.71 22.3.71— 7.5.71 24.5.71— 2.7.71 19.7.71— 27.8.71 13.9.71—22.10.71 1.11.71—10.12.71	—
901110	Advanced navigation ..	RAAF	95	3.5.71— 10.9.71	—
	Anti-submarine				
901404	Joint ASW	AJASS	5	8.3.71— 12.3.71 23.8.71— 27.8.71	Introductory course for junior officers (max 35)
901405	Joint ASW tactical period ..	AJASS	10	13.9.71— 24.9.71	—
901438	ASW Acquaint	WATSON ..	5	1.3.71— 5.3.71 10.5.71— 14.5.71 4.10.71— 8.10.71 22.11.71—26.11.71	—
	Demolition				
901437	Demolition supervisor ..	WATSON ..	5	8.2.71— 12.2.71 26.4.71— 30.4.71 6.9.71— 10.9.71 27.9.71— 1.10.71 6.12.71—10.12.71	—
	Divisional				
901342 901343	RAN divisional, man management, sports course	CERBERUS ..	20	8.3.71— 2.4.71 31.5.71— 17.7.71 19.9.71—15.10.71	(Max 25) Includes leave period SLEX 2/69 Attend 31 May—14 June only
	Gunnery				
901381	DGO	CERBERUS ..	—	4.1.71— 26.2.71	—
		SEA	—	1.3.71— 7.3.71	—
		WATSON ..	—	8.3.71— 12.3.71	(Join 901480)
		CERBERUS ..	—	15.3.71— 26.3.71	—
		WATSON ..	—	29.3.71— 9.4.71	(Join 901431)
	Hydrography				
	Course H-4	PENGUIN ..	—	25.1.71— 11.6.71	—
	Indoctrination				
901340	New entry officers	CERBERUS ..	15	31.1.71— 19.2.71 21.2.71— 12.3.71	(Max 25) Instructor and dental officers Medical officers
901341	Reserve officers	CERBERUS ..	10	7.2.71— 19.2.71 3.5.71— 14.5.71 25.7.71— 6.8.71 7.11.71—19.11.71	—
901344	SD officers indoctrination and management	CERBERUS ..	20	18.4.71— 14.5.71	—
901345	Aircrew (pilot)	CERBERUS ..	10	4.1.71— 16.1.71 29.3.71— 9.4.71 21.7.71— 2.8.71 20.9.71— 1.10.71 13.12.71—23.12.71	On completion RAAF Pearce 2FTS
	Instructor officers				
901181	IO duties..	CERBERUS ..	5	11.1.71— 15.1.71 12.7.71— 16.7.71	Intake 1/71 Intake 2/71
901512	Instructional technique ..	CERBERUS ..	5	18.1.71— 22.1.71 9.8.71— 13.8.71	Intake 1/71 Intake 2/71

EDP No	Course	Location	Duration (Days) Instruction	Dates	Remarks
	Instructor officers—*continued*				
901300	NBCD	CERBERUS ..	5	25.1.71— 29.1.71	Intake 1/71
				15.8.71— 20.8.71	Intake 2/71
901340	Indoctrination	CERBERUS ..	15	31.1.71— 19.2.71	Intake 1/71
				25.7.71— 6.8.71	Intake 2/71 with 901341
901446	ND/TAS	WATSON ..	—	22.2.71— 30.4.71	1/71 (SEA 5 April—23 April)
901182				16.8.71—22.10.71	2/71 (SEA 13 September—10 October)
901183	Basic electronics	CERBERUS ..	40	3.5.71— 25.6.71	Intake 1/71
				1.11.71—23.12.71	Intake 2/71
901184	Telecommunications ..	CERBERUS ..	50	1.3.71— 7.5.71	—
901185	Computers	CERBERUS ..	60	1.3.71— 21.5.71	—
901186	Radar	CERBERUS ..	45	13.9.71—19.11.71	—
901187	Surface weapons	CERBERUS ..	10	13.9.71— 24.9.71	—
	Intelligence/Security				
901519	Counter subversion ..	WOODSIDE SA ..	5	17.3.71— 23.3.71	—
901520	Code of conduct	WOODSIDE SA ..	6	10.2.71— 16.2.71	Course date July—December TBC
901521	Strategic intelligence ..	WOODSIDE SA ..	15	9.6.71— 29.6.71	—
901522	Interrogation	WOODSIDE SA ..	20	20.1.71— 16.2.71	—
901515	Combat survival	RAAF AMBERLEY	14	5.1.71— 19.1.71	RAN allocation 10 each course
				2.2.71— 16.2.71	
				9.3.71— 23.3.71	
				13.4.71— 27.4.71	
				18.5.71— 1.6.71	
				29.6.71— 13.7.71	

	Instructional technique				
901260	Educational administration ..	CERBERUS ..	8	3.2.71— 12.2.71	For TCS, OICS, SIO and TO of training est. (Min/max 10–15)
901512	Instructional technique ..	CERBERUS ..	5	25.1.71— 29.1.71	(Instructor officers)
				19.7.71— 23.7.71	(Instructor officers)
902350	Instructional technique ..	CERBERUS ..	10	4.1.71— 15.1.71	Combined officers and sailor course Min/max 8–16
				25.1.71— 5.2.71	
				15.2.71— 26.2.71	
				9.3.71— 19.3.71	
				29.3.71— 8.4.71	
				19.4.71— 30.4.71	
				10.5.71— 21.5.71	
				31.5.71— 11.6.71	
				26.7.71— 6.8.71	
				16.8.71— 27.8.71	
				6.9.71— 17.9.71	
				27.9.71— 8.10.71	
				18.10.71—29.10.71	
				8.11.71—19.11.71	
				29.11.71—10.12.71	
	Joint warfare Attention is drawn to Navy Order 320/70 which details RAAF sponsored courses. Nominations for courses are to be made to ACNB at least six weeks before commencement of course.				
	Mine warfare/clearance diving				
901432	MCD Conversion	WATSON ..	—	11.10.71—20.12.71	(Seatime MSC 8–12 November MHC 29 November—3 December)
901605	MHC—CO DESIG ..	WATSON ..	—	22.11.71— 3.12.71	—
—	MSC—CO DESIG ..	WATSON ..	—	1.11.71—12.11.71	—

EDP No	Course	Location	Duration (Days) Instruction	Dates	Remarks
	Medical/dental				
901340	Indoctrination	CERBERUS ..	15	31.1.71— 19.2.71	Dental officers
				21.2.71— 12.3.71	Medical officers
901191	MO underwater medicine ..	PENGUIN ..	15	29.3.71— 13.4.71	1/71 includes resuscitation (includes Easter break)
				5.7.71— 16.7.71	2/71
				4.10.71—15.10.71	3/71
901195	Medical officers familiarisation	CERBERUS ..	15	31.1.71— 19.2.71	—
901196	Dental officers familiarisation	CERBERUS ..	5	22.2.71— 26.2.71	—
901197	Foreign services MO underwater medicine	PENGUIN ..	60	1.2.71— 23.4.71	Min 2 officers
901198	Wardmasters/nursing sisters underwater medicine	PENGUIN ..	10	1.3.71— 12.3.71	1/71
				27.9.71— 8.10.71	
	Navigation/AIO				
901441	Reserve officers N-3 ..	WATSON ..	10	17.5.71— 28.5.71	—
				8.11.71—19.11.71	
901442	Reserve officers AIO ..	WATSON ..	10	18.1.71— 29.1.71	—
				16.8.71— 27.8.71	
901447	Small ship navigation ..	WATSON ..	10	3.2.71— 12.2.71	—
				31.5.71— 11.6.71	
				30.8.71— 10.9.71	
901448	Operations room officer ..	WATSON ..	70	9.8.71—12.11.71	Includes 901431 25 October—5 November and Seatime 8 November—12 November
901480	Small ship AIO	WATSON ..	10	22.2.71— 5.3.71	—
				24.5.71— 4.6.71	
				13.9.71— 24.9.71	
901603	CO DESIG—ND ..	WATSON ..	5	22.2.71— 26.2.71	—
				19.4.71— 23.4.71	
				9.8.71— 13.8.71	
				11.10.71—15.10.71	

	NBCD				
901300	Preliminary NBCD ..	CERBERUS ..	5	18.1.71— 22.1.71	—
				12.7.71— 16.7.71	
901301	Advanced NBCD	PENGUIN ..	20	T.B.C.	
901194	Medical officers NBCD ..	PENGUIN ..	10	T.B.C.	—
901302	Combined services MO NBCD	PENGUIN ..	5	T.B.C.	—
	Staff course				
901207	Joint service wing	CANBERRA ..	—	25.1.71— 30.6.71	Three commanders per course
				12.7.71—15.12.71	
	Supplementary list seamen				
901598	SLEX Phase I	CERBERUS ..	80	1.3.71— 18.6.71	SLEX 1/71
		WATSON ..	30	5.7.71— 13.8.71	
		ANZAC	70	16.8.71—22.10.71	
		CERBERUS ..	5	25.10.71— 1.11.71	
		CERBERUS ..	80	30.8.71—17.12.71	SLEX 2/71
		WATSON ..	30	10.1.72—	
901710	SLEX Phase III	WATSON ..	30	20.11.70— 21.1.71	SLEX 1/69
		CERBERUS ..	50	25.1.71— 26.2.71	
		ALBATROSS ..	5	1.3.71— 5.3.71	
		WATSON ..	50	22.2.71— 9.4.71	SLEX 2/69
		ALBATROSS ..	5	12.4.71— 16.4.71	
		CERBERUS ..	—	19.4.71— 30.5.71	
901710	SLEX Phase III	WATSON ..	50	25.10.71—10.12.71	—
		ALBATROSS ..	5	13.12.71—18.12.71	
		CERBERUS ..	40	10.1.72— 21.2.72	
	Study period				
901400	Senior officers study period ..	AJASS	5	5.12.71—10.12.71	—
	Supply				
901494	Basic supply course ..	CERBERUS ..	26 weeks	27.9.71— 14.4.72	—

EDP No	Course	Location	Duration (Days) Instruction	Dates	Remarks
	Tactical				
901431	RAN tactical course ..	WATSON ..	10	29.3.71— 8.4.71 25.10.71— 5.11.71	To follow 901381
901405	Joint tactical period ..	AJASS	10	13.9.71— 24.9.71	—
	Weapon electrical engineering				
901173	Junior WEEO acquaint ..	CERBERUS EAA	10	T.B.C.	—
901175	Ikara management ..	RANITE KINGSWOOD	10	1.3.71— 12.3.71 6.9.71— 17.9.71	—

(312/203/146 D of T)

(*Navy Order 320/70*)

Printed for the Government of the Commonwealth by W. G. MURRAY, Government Printer, Canberra

HISTORIAN.

RESTRICTED

ANOs 622/70-638/70

AUSTRALIAN NAVY ORDERS

Navy Office, Canberra,
8 January 1971.

The enclosed orders are promulgated for information, guidance and necessary action.

By direction of the Naval Board,

P. Landau.

The Flag Officer Commanding HMA Fleet, Flag Officer and Naval Officers in Charge, Captains and Commanding Officers of HMA Ships, Officers in Charge of HMA Naval Establishments, and others concerned.

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26166/70

RESTRICTED

CONTENTS

Section 1

ADMINISTRATIVE AND GENERAL

RESTRICTED

622/70—Captains Ships Book—Security Classification

1. The security classifications of the contents of the Captains Ships Books has been reviewed. The overall classification is SECRET and books are to be handled and stowed in accordance with this classification. The covers and contents of Captains Ships Books at present in use are to be endorsed with the appropriate classification.

2. The following classifications apply:

Captains Ships Book Type 'A'—For HMA Ships DUCHESS, QUEENBOROUGH, QUIBERON, QUICKMATCH:

Folio	
Folio Nos 1, 4, 5, 8, 13, 14, 15, 16, 19, 20, 24 to 35, 37, 40 and 42	UNCLASSIFIED
Folio Nos 2, 10, 12, 36, 38 and 39	RESTRICTED
Folio Nos 3, 6, 7, 9, 17, 18, 21, 22, 23 and 41 ..	CONFIDENTIAL
Folio No 11	SECRET

Captains Ships Book Type 'B'—For HMA Ships CURLEW, GULL, HAWK, IBIS, SNIPE, TEAL:

Folio	
Folio Nos 1A, 1B, 2, 6, 7, 8, 10, 11, 12, 15, 16, 17, 19 and 20	UNCLASSIFIED
Folio Nos 5, 21, 22 and 23	RESTRICTED
Folio Nos 1, 3, 4, 9, 13, 14, 18 and 24	CONFIDENTIAL

Captains Ships Book Type 'C'—For HMA Ships ANZAC, ARUNTA, BARCOO, CASTLEMAINE, CULGOA, DIAMANTINA, GASCOYNE, KANGAROO, KARANG, KIMBLA, KOALA, KOOKABURRA, SPRIGHTLY, TOBRUK, YARRA, and HMA Submarines OXLEY, OTWAY, OVENS and ONSLOW:

Folio	
Folio Nos 1, 6, 7, 8, 11, 13, 16, 17, 18, 19, 24 and 25	UNCLASSIFIED
Folio Nos 4, 20, 21 and 27	RESTRICTED
Folio Nos 2, 3, 5, 9, 10, 12, 14, 15, 22 and 26 ..	CONFIDENTIAL
Folio No 23	SECRET

3. The above classifications are those which would normally apply, but information contained in each folio is to be classified according to content. Similarly, information contained in the Captains Ships Book Supplement is to be classified according to content.

4. Captains Ships Book (KC 100) and Supplement (KC 101) have been issued to HMA Ships listed below:

BRISBANE	MORESBY	STUART	TORRENS
DERWENT	PARRAMATTA	SUPPLY	VAMPIRE
HOBART	PERTH	SWAN	VENDETTA
MELBOURNE	STALWART	SYDNEY	YARRA

and will be issued to HMAS SWAN and TORRENS on completion of the relevant information.

5. Ships Books for ships out of commission and/or awaiting disposal are to be forwarded to Naval Archives for custody in accordance with their classification.

6. Navy Order 526/67 is hereby cancelled.

(464/251/74 DNI)

(Navy Order 526/67)

UNCLASSIFIED

623/70—Changeover to Decimal Currency in Great Britain and Republic of Ireland

1. On Monday 15 February 1971 (D-Day), Great Britain and the Republic of Ireland will convert to decimal currency.

2. The unit of currency will remain the pound (£) but shillings (s) and pence (d) will be substituted by new pence (p) with 100 new pence equalling £1. There will also be a new half-penny.

3. Following are the changeover arrangements advised by Commonwealth Sub-Treasury, London:

a. All banks will be closed for normal business from 11 to 14 February 1971, although branches at international airports and seaports will remain open during normal hours for the benefit of bona fide travellers on international services.

b. Banking on and after 15 February 1971 will be in decimal currency and all cheques must be written in decimal currency from that date.

c. A changeover period of approximately 18 months will operate during which time both old and new currencies will circulate.

d. The introduction of decimal currency will not invalidate outstanding contracts and agreements.

e. The Office of the High Commissioner, London, the Sub-Treasury, London, and the Embassy, Dublin, will begin operating fully in decimal currency from 15 February 1971.

f. The Sub-Treasury, London, will temporarily close its Appropriation Ledger on Wednesday, 10 February 1971, and will provide monthly voucher number check lists and schedules of transactions in £ s d and $A up to this date, before converting all year-to-date balances to decimal currency. Separate check lists and schedules shown in £p and $A will be prepared for the period 11 to the end of February. All accounting documents and information for the month of February will be dispatched to Departments in Australia at the usual times.

g. The Sub-Treasury, London, salary, pension and allotment records will be converted progressively to decimal currency from 5 November 1970, although payments will continue to be made and recorded in £ s d until D-Day.

h. The Sub-Treasury, London, does not intend to use the new halfpenny in recording accounting transactions.

4. The Whole New Penny Table to be used for converting s d amounts in banking and accounting transactions where the new halfpenny will not be used, provides that, for any whole 2/– or multiple thereof the corresponding amount will be 10 new pence or that multiple thereof. For the balance (which will be less than 2/–) the corresponding amount is shown in the following table:

Shillings and Pence	*New Pence*
1d	0p
2d	1p
3d	1p
4d	2p
5d	2p
6d	3p
7d	3p
8d	3p
9d	4p
10d	4p
11d	5p
1/–d	5p
1/1d	5p
1/2d	6p
1/3d	6p
1/4d	7p
1/5d	7p
1/6d	7p
1/7d	8p
1/8d	8p
1/9d	9p
1/10d	9p
1/11d	10p
2/–d	10p

5. Appendices 6 and 7 to ABR 18 will be amended.

(201/1/99 DNA)

UNCLASSIFIED

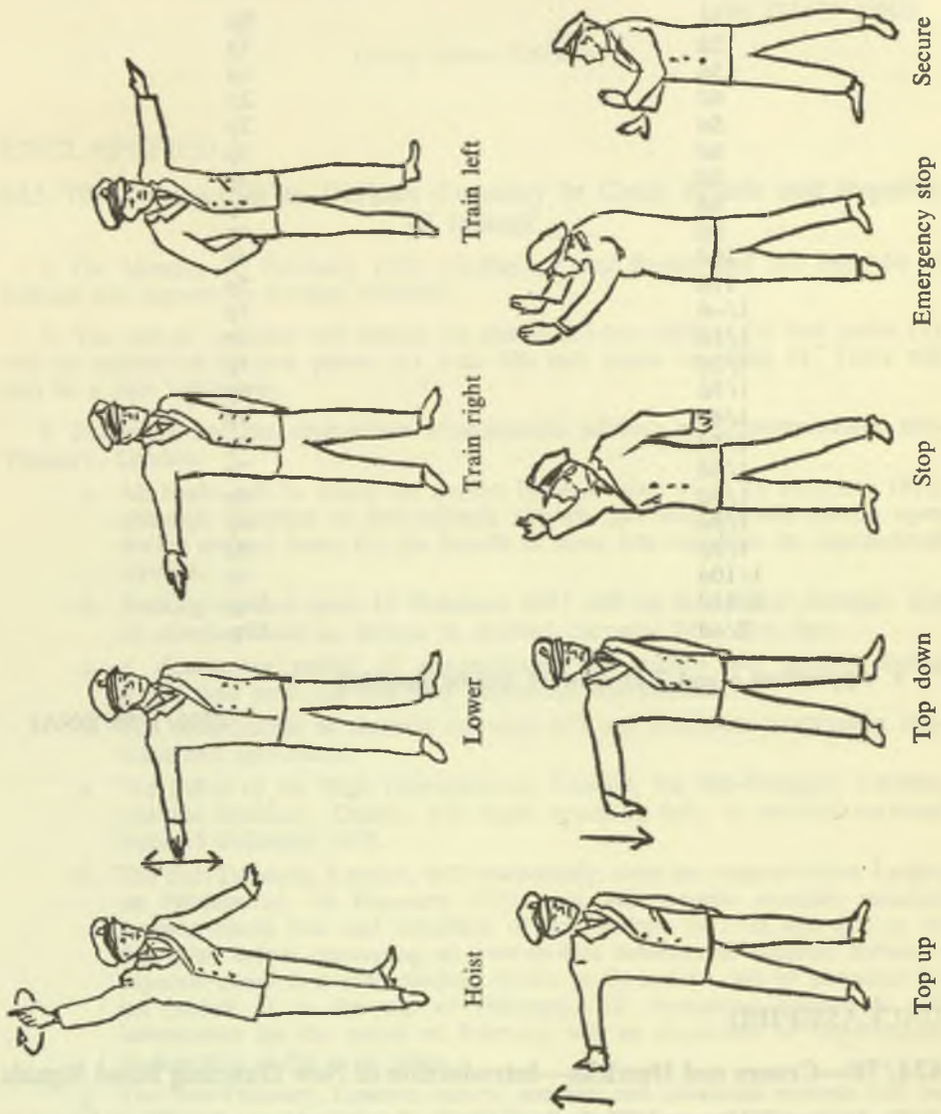
624/70—Cranes and Derricks—Introduction of New Directing Hand Signals

1. As from 1 January 1971 the hand signals shown in Annex A to this order are to be used for directing cranes and derricks in RAN ships, shore establishments and dockyards.

2. These signals are to be taught in lieu of the hand signals shown in the Manual of Seamanship, Volume 2.

ANNEX A

Directing Hand Signals for Cranes and Derricks



(465/6/65 D of T)

UNCLASSIFIED

625/70—EDP Navstock System—Rejection of Demands

1. In order to dispel doubts which may exist in regard to the correction of EDP stores demands containing incorrect data, it is advised that:

a. All demands rejected by the EDP Centre will be returned without amendment to the source for correction.

b. No attempt will be made at the EDP Centre or Supply Depots to correct rejected demands or to supply alternatives.

(178/1/197 DSUA)

UNCLASSIFIED

626/70—Naval Agent—Vanimo

1. Mr A. S. Wright has been appointed Naval Agent, Vanimo. The following particulars are relevant:

a. Business Address—Sub-district Office, Vanimo.

b. Private Address—Vanimo.

c. Business Telephone—Vanimo 23.

d. Private Telephone—Nil.

e. Address to which telegrams should be sent—DISTROFF VANIMO.

2. Request for services at Vanimo should include NOIC, Papua and New Guinea, as an information addressee and should be made by letter if time permits.

(2/4/269 AS (NS))

UNCLASSIFIED

627/70—Supply of Petroleum Products to Commonwealth Departments

1. The rate of duty applicable for the purchase of petroleum products other than for Papua/New Guinea has been varied with effect from 19 August 1970 as follows:

a. Motor Spirit 15.3 cents per gallon.

b. Aviation Gasoline 12.57 cents per gallon.

c. Aviation Turbine Kerosene 10.9 cents per gallon.

2. In respect of petroleum products delivered on or after the above date and invoiced to include the revised rates, the components charged to Refunds of Revenue shall be at these rates. Navy Accounts Manual (ABR 5018) Articles 75B (1)(d) and (3) are relevant.

3. Components to be charged to Refunds of Revenue for purchases of petroleum products in Papua/New Guinea shall continue to be at the rates as shown in the period contract under which purchases are made.

(184/1/20 DNA)

Section 2

PERSONNEL

UNCLASSIFIED

628/70—Home Port—Cairns Queensland

1. The list of Home Ports which may be elected has been extended to include the town of Cairns, Queensland. RI 1022 which should be noted accordingly will be amended.

2. For a period of three months from the date of this Navy Order members who entered the Navy from North Queensland may elect to change their Home Port to Cairns. The names of members who so elect are to be forwarded to Navy Office. The normal rules governing the election of Home Port will not apply to these applications.

3. Where a member elects Cairns as his Home Port under Paragraph 2, this election will apply in respect of future removal entitlements.

4. The provisions of RI 1022 will apply to applications lodged after the three month period referred to in Paragraph 2 above and to members posted to Cairns in the future.

5. Where changes of Home Port to Cairns are approved the members EDP service record will be amended by Navy Office. The letter 'K' will be used to signify the Home Port of Cairns on Forms PH13 and PH14 as appropriate.

6. All natives of North Queensland are to be informed of the foregoing as it could afford them considerable saving when effecting removals which at present are regarded as removals to elected destinations under NPI 231/14.

7. The attention of personnel concerned with the allocation of Home Ports at the time of a members entry should also be drawn to this Navy Order.

8. This order is to be reprinted for noticeboard issue and will be incorporated in Naval Pay Instructions.

(302/1/19 HPB)

UNCLASSIFIED

629/70—Requests for Visits to United States Activities

1. The United States policy concerning visits of foreign personnel to United States Naval facilities requires that at least 30 days notice is given when submitting visit requirements. For visits to USA Defence Communications—Electronics Organisations six weeks notice is required.

2. All requests for visits by RAN and Civil personnel are required to be channelled through ANA Washington and are to be submitted so that they reach that office at least six weeks in advance of normal visit dates or at least nine weeks in advance where visits to USA Defence Communications—Electronics Organisations are concerned.

3. The fullest possible information is to be furnished with all requests for information or visits. In this regard it is pointed out that for such requests US policy allows only those subjects specified to be discussed. Briefings or discussions are not extended to peripheral items and where briefings are requested on broad topics only the briefings given will be as broad as the topic and couched in laymens terms.

4. Advice of proposed visits should include:

a. Full name
b. Rank/Grade
c. Date of birth
d. Home address
e. Supporting organisations
f. Place to be visited (full address)
g. Names of person(s) to be interviewed if known
h. Security clearance
i. Purpose of visit (to be stated as fully as possible and to include need to know)
j. Date and duration of visit (give exact date if known or earliest visit likely, plus overall period).

5. To assist the Department of Foreign Affairs and the Australian Embassy in Washington it is also required the following information should be included in addition to Paragraph 4 above where applicable:

a. Fields of interest
b. Time they wish to devote to each aspect
c. Full details of their academic attainments
d. Type of establishments they would like to visit
e. Whether or not they wish the Embassy to make accommodation arrangements.

6. In order that the above procedures can be complied with Administrative Authorities when concerned with arrangements for personnel to make such visits are to ensure the above details are forwarded to Navy Office as soon as possible.

7. Navy Order 504/70 is hereby cancelled.

(42/201/44 AS (NS))

(Navy Order 504/70)

UNCLASSIFIED

630/70—Travelling Allowance—Members on Short Term Duty Oversea

1. The rates of Short Term Duty Travelling Allowance as shown in Navy Order 119/70, as amended by Navy Orders 158/70, 319/70, 488/70, 559/70 and 583/70, have been further varied as follows. The conditions governing payment of this allowance are contained in NPI 209 to NPI 209/10.

TABLE A

Delete the rates for Chile, Malaysia and South Vietnam and *insert* the following in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT and Below	*CAPT, CMDR, LCDR*	*CDRE and Above*
Chile	$A ..	18	21	24
Malaysia ..	$M ..	62	67	75
South Vietnam ..	Piastres ..	4,800	5,400	6,000

TABLE B

Delete the rates for Japan and *insert* the following in their stead:

Country	*Currency of Payment*	*Rates of Payment per Day*		
		LEUT and Below	*CAPT, CMDR, LCDR*	*CDRE and Above*
Japan	Yen ..	5,300	6,100	6,900

2. These rates are effective from the following dates:

CHILE .. .. .. 24 August 1968
JAPAN .. .. .. 7 September 1970
MALAYSIA .. .. 28 August 1970
SOUTH VIETNAM .. .. 17 August 1970

(252/4/168 HPB)

(*Navy Orders 119/70, 158/70, 319/70, 488/70, 559/70 and 583/70*)

Section 3

OPERATIONAL AND TRAINING

UNCLASSIFIED

631/70—Services Staff Colleges—Pre-course Correspondence Studies (Officers Extension Tutorial Course)

Introduction

1. The Naval Board in association with the Air Board have introduced a tutorial correspondence course to provide officers with a study programme designed to assist in preparing them for higher rank, and in due course to qualify them for selection for staff courses.

2. The Air Board have conducted a similar course for RAAF officers for some years, and the course now available for both Services will continue to be administered by the Commandant, RAAF Staff College. It will be common for both Services, except in minor areas where single-Service detail is necessary. The course is entitled 'Officers Extension Tutorial Course'.

3. It is emphasised that the course does not replace Staff College training. Rather, it offers preliminary study as an aid to success in a Staff course, and it is the Naval Boards intention that in the future its completion will be a pre-requisite for Single-Service and Joint-Services Staff Course selection.

Eligibility

4. The course is available to officers of all specialisations of the ranks of Lieutenant, Lieutenant-Commander and Commander; and to WRANS officers of the rank of 2nd Officer, 1st Officer and Chief Officer.

Course Detail

Content and Level of the Courses

5. The course extends through two years and consists of four phases covering 80 weeks of programmed private study. The breakdown of the course is:

Year 1—Phase 1—English Expression
Phase 2—Service Organisation and Management
Year 2—Phase 3—Strategy
Phase 4—Current National and International Affairs.

6. The course has been designed to be equally suitable to officers of all branches. Therefore no attempt is made to dwell at any length on one or more specific aspects of the syllabus. To complete the course satisfactorily an officer will be required to:

a. Phase 1—demonstrate an ability to express himself in writing correctly, concisely and unambiguously, and to present and defend opinions and decisions.
b. Phase 2—have a broad knowledge of Service organisation and management.
c. Phase 3—have a basic knowledge of national and global strategy and the employment of defence forces.
d. Phase 4—have sufficient background knowledge of Australia and other selected countries of the world to appreciate the significance of current national and international affairs.

Hours of Work

7. The actual amount of time a student will need to spend each week in study will depend on his experience, his background knowledge of the subjects being taught, his proficiency in writing English, and on the thoroughness with which he wants to go into each subject. The planned 'average' study time throughout the 80 weeks is three hours effective study each week. Considerable thought has been given to the breakdown of study guides into weekly tasks and if an officer sets aside one evening only each week for study throughout the 80 study weeks, he should accomplish all that is necessary.

Assignments and Consolidation Checks

8. At intervals during the course, assignments are set. Five weeks before each assignment students are given a consolidation check in the appropriate study guide.

9. There are no final examinations. This type of test is replaced by the effort of consistency over the entire 80 study weeks.

Application for Courses

Enrolment

10. The first course in which naval personnel will participate commences on 14 June 1971. Applications for enrolment will close on 1 April 1971 and thereafter as advised in Navy Orders.

Restrictions

11. In view of the need to second staff to the Extension Tutorial Section, and the shortage of suitably qualified personnel, it may be necessary to restrict naval enrolments for the first (1971) course.

Method of Application

12. Applications for courses are to be forwarded through Commanding Officers to:
The Commandant, RAAF Staff College
RAAF Base Fairbairn
CANBERRA ACT 2600 (Copy to DNES).

13. Applications should follow the pro-forma attached as Annex A to this order.

Transmission of Study Material

14. Once enrolment has been effected, correspondence and the transmission of study guides and assignments will be direct between the student and the Extension Tutorial Section.

Course Progression

15. Administration of students in HMA ships and establishments will be through the Education Officer or, where appropriate, another officer known as the Tutorial Officer who would be nominated by the Commanding Officer. The Education Officer (or ships Tutorial Officer as appropriate) will be responsible for the authenticity of the supervision exercised over all supervised work forwarded to the Staff College. Officers studying alone will be administered directly by the Staff College, and special arrangements will be made for supervision of work as required.

16. A Phase successfully completed will remain at credit. Officers who fail an assignment will be given a supplementary assignment and, if again unsuccessful, will be required to defer completion of the particular phase concerned until the appropriate phase of the subsequent course. Officers who are unsuccessful in particular phases will take longer than two years to complete the course.

17. Students who find that the necessary private study is impossible because of operational commitments, compelling compassionate reasons, or posting to a training course subsequent to enrolment for the Officers Extension Tutorial Course, are to advise the Commandant through their Commanding Officers, that they are withdrawing temporarily from the course. Students who have withdrawn in those circumstances will be expected to re-enrol as soon as the cause of the withdrawal is removed.

18. Officers who arbitrarily withdraw from course for inconsequential reasons will be required to show cause why they should be permitted to enrol on a subsequent course.

19. Officers who do not submit prescribed written work during any period of 10 weeks without first obtaining the approval of the Staff College will be suspended from course. Credit will be given for assignments completed and the officer will be given the opportunity of joining a subsequent course at the appropriate stage.

Recording of Results

20. The Extension Tutorial Section (Naval) will keep a record of the progress of naval students, and completion of the course will be noted in officers records.

ANNEX A

Officers Extension Tutorial Course

Application for Enrolment

NAME..... Christian Names.....

RANK..... Specialisation.....

WHERE SERVING.....

POSTAL ADDRESS.....

.....

DATE OF ENTRY INTO RAN.....

DATE OF BIRTH.....

I hereby apply for enrolment in the extension tutorial course commencing on 14 June 1971.

Signature.....

II

The Commandant
RAAF Staff College
RAAF Base, Fairbairn
CANBERRA ACT 2600

(Copy to the Director, Naval Education Service
Navy Office, Canberra, ACT 2600)

Forwarded.

.....
Commanding Officer

(1600/11/67 DNES)

Section 4

EQUIPMENT, STORES AND SERVICING

UNCLASSIFIED

632/70—Alteration and Addition Item—HMAS MORESBY

The following Alteration and Addition Item is approved to be carried out in HMAS MORESBY:

Class List Item No 57 (Ex TDL 'ABS').

a. *Item:* 'To remove all existing racking and stowage bays from No 1 Naval Store.

To install "Brownbuilt" adjustable racking in No 1 Naval Store.'

b. An increase in weight will result from the proposal but no weight compensation is required.

c. *Reference:* HMAS MORESBYs Form TM168 (AS1182) dated 12 December 1969 forwarded under cover of FOCAF Memorandum of 2 March 1970.

(1228/52/264 CNTS)

UNCLASSIFIED

633/70—Electrical List of Equipment—Accounting for Electrical Appliances Supplied, Inspected and Maintained by Department of Works

1. ABR 4, Article 3505, provides that where an equipment, other than one associated with weapons material, is partly mechanical and partly electrical, the mechanical and electrical portions of this equipment are accounted for in separate lists of equipment. This method of recording is of assistance to the maintainer in that he has a composite record of items for which he is responsible.

2. In HMA establishments it has been decided to rationalise this procedure for equipments for which the Department of Works is responsible for the inspection, servicing and maintenance where no great advantage can be gained from separate recording of the electrical and mechanical components.

3. In future, electrical appliances, other than those associated with weapons material, which form a complete unit of a portable or easily rendered portable nature, ie, domestic type refrigerators, washing machines, cool water drinking units, etc, which are supplied, inspected and maintained by the Department of Works, are only to be included in the Electrical List of Equipment and no longer split between the Electrical and the Mechanical and Marine Engineering Lists.

4. ABR 4 Article 3508 will be amended.

(400/62/1793 DSUA)

UNCLASSIFIED

634/70—Flying Clothing and Personal Flying Equipment—Scales of Allowances

1. Standard scales of allowances of flying clothing and personal flying equipment for RAN aircrew have been revised and are detailed in Annex A to this order.

2. Items required to complete kits to the revised approved scales are to be demanded from the appropriate Superintending Stores Officer.

3. ABR 4, Chapter 26, is relevant.

ANNEX A

Scale of Personal Loan

Catalogue No	*Description*	*Sizes Available*	*Denom*	*Heli-copters*	*Macchi*	*Tracker*	*Sky-hawk*
	Part 1—Victualling Stores:						
45006	Bag, aircrew, headgear	—	No	—	1	—	—
45010	Bag, flying clothing, 22C/1345	—	No	1	1	1	1
45012–19	Boot, flying, direct moulded sole	5–12	Pr	1	1	1	1
45305–18	Coveralls, anti-exposure (orange), Mk 5A	36–46 in 2 inch sizes (small, regular or long)	No	—	—	—	—
45750–5	Coveralls, anti-G suit	Small/long to large/long	No	—	1	—	—
21100–8	Drawers, poplin, elastic top	28–44 (2 inch sizes)	Pr	2	2	2	2
45032–5	Drawers, wool, aircrew, 22C/1188–91	1–4	Pr	2	2	2	2
45000–3	Girdle, anti-G, Mk 2A	Small and large in short and long fittings	Pr	—	—	—	2
45046–8	Gloves, anti-exposure, Mk 5A	8–10	Pr	—	—	—	1
45060–5	Gloves, calfskin, lightweight	7½–10 (½ sizes)	Pr	2	2	2	2
45111–6	Gloves, cape leather, water-resistant, 22C/1640–5	7½–10 (½ sizes)	Pr	1	1	1	—
45162–4	Helmet, flying, protective, Mk 3A (complete with stowage case and mechanisms), 22C/2565–7 *Note:* After fitting, sizing instrument and 2 surplus sets of liners are to be returned to Store	Small, medium and large	No	1	—	—	—
45140–1	Helmet, APH–6A, complete	Medium and large	No	—	—	1	1
45681–2	Helmet, flying, HGU–2A/P	Medium and large	No	—	1	—	—
45319	Hood, assembly, Mk 5A, anti-exposure coveralls	—	No	—	—	—	1
45190–4	Jacket, flying, lightweight	Small, medium, large, x large and xx large	No	1	1	1	1
45189	Knife, emergency, aircrew, Mk 3 (complete with metal sheath and fabric attachment), 22C/2966	—	No	1	1	1	1
	Spares for:						
45186	Sheath, metal, knife, emergency, 22C/2202	—	No	2	2	2	2
45187	Fabric, attachment, knife, emergency, 22C/2203	—	No	2	2	2	2
	Lifejacket, aircrew, Mk 6, Mk 6A, Mk 8 and Mk 8A, comprising:						
45211	Fluorescene sea marker, 22C/1185	—	No	1	1	1	—
45234	Stole, neoprene proofed nylon (complete with oral inflation valve, 22C/1182)	—	No	1	1	1	—
45217	Waistcoat, Mk 6 (complete with lifeline and toggle), 22C/2107 or	—	No	1	1	1	—
45218	Waistcoat, Mk 6A (complete with lifeline and toggle), 22C/2109 or						
45265	Waistcoat, Mk 8 (complete with lifeline and toggle), 22C/2559 or	—	No	1	1	1	—
45270	Waistcoat, Mk 8A (complete with lifeline and toggle), 22C/2560						
45275	Stole, Mk 8 and Mk 8A (complete with oral inflation tube and relief valve), 22C/2561	—	No	1	1	1	—
45260	Life preserver, type LPA–1	—	No	—	—	—	1
45291–8	Overalls, flying, lightweight	1–8	No	2	2	2	2
45390–7	Overalls, flying, medium weight	1–8	No	1	1	1	1
45400	Scarf, neckwear, green	—	No	1	1	1	1
45345–6	Socks, Mk 5A	Medium and large	Pr	—	—	—	1
45357–64	Socks, wool, aircrew, plain	9½–13 (in ½ sizes)	Pr	3	3	3	3
45365–72	Socks, wool, aircrew, ribbed						
45355–6	Spectacles, type G, 22C/1398–9	Medium and large	Pr	1	1	1	1
	Suit, immersion, Mk 6 or Mk 7, comprising:						
45526–31	Boots, rubber, Mk 3, 22C/1633–8	6–11	Pr	1	1	1	1
45433	Braces, 22C/1215	—	Pr	1	1	1	—
45421–5	Blouse, Mk 6 (complete with seals), 22C/1199–1203 and	1–5	Pr	1	1	1	—
45451–5	Trousers, Mk 6 (complete with seals and urinating sleeve), 22C/1204–8 or						
45521–5	Blouse, Mk 7 (complete with seals), 22C/1671–5 and	1–5					
45542–46	Trousers, Mk 7 (complete with seals and urinating sleeve), 22C/1676–70 or						
	Suit, immersion, Mk 10, comprising:						
45700–8	Coveralls, aircrew, immersion, Mk 10	1–9	No	1	1	1	—
45740–45	Socks, rubberised, Mk 1	6–11	Pr	1	1	1	—
45575–86	Torso harness assembly, Mk 2	Small, medium, large and extra large (3 fittings, short, regular and long in each size)	No	—	—	—	2
45566–9	Sweater, wool, aircrew, 22C/1667–70	1–4	No	1	1	1	1
45376	Suit ventilated flying (type 25)	(availability will be promulgated)	No	—	1	—	—
45570	Undershirt, string, aircrew	36, 38, 40, 42	No	2	2	2	2

Catalogue No	Description	Sizes Available	Denom	Heli-copters	Macchi	Tracker	Sky-hawk
45563	Vest, survival, SV2	—	No	—	—	—	1
45590–1	Visor, screen, anti-glare, dark, 22C/1650–1	Medium and large	No	—	1	—	—
	Part II—Naval Stores:						
0624/10AH–L14995	Headset, lightweight, complete with boom microphone airlite, type 5200/21	—	No	1 (Dakota only)	—	—	—
6230–00–067–5209	Light marker, survival, ACR4F, complete with battery	—	No	1	1	1	1
0558–107–5503	Microphone, throat, type 13761	—	No	1	—	—	—
5965–00–856–6020	Microphone, boom, M3AA	—	No	—	—	1	—
0625–952–6482	Sarbe beacon, Mk 3	—	No	1	1	1	1
0625–952–6815	Tester						
0562–519–2369	Battery, type G1339						
0461–3856	Divider, brass, 5 inches with fixed points	—	No	1 per observer, ACM and Skyhawk pilot			
6605–00–390–8421	Plotting board	—	No	1 per observer for Wessex aircraft			
6675–00–191–1508	Parallel ruler	—	No	1 per observer and ACM, 1 per Skyhawk pilot			
6605–66–027–6444	Low altitude navigation key template	—	No	1 per Skyhawk pilot			
0552–924–3305	Wrist chronograph, HS9	—	No	1 per aircrew			
	Part III—Air Stores						
7520–00–989–4079	Clip board pilots, Part No FNA 328D	—	No	1	1	1	1
6D/814, 815, 816	Oxygen mask, type H complete with microphone tube assembly for type H mask	Large, medium and small	No	—	1	—	—
1660–948–4890	Oxygen mask, A13A complete with microphone and cup retention kit	Large, medium and small	No	—	—	—	1
1660–761–1613							
1660–761–1609							
1660–050–1661	Oxygen regulator for A13A mask						
—	Hard hose for A13A mask						
1660–714–1361	Flexible hose for A13A mask						
6B/2645	Computer, Mk 4A	—	No	1 per Skyhawk pilot			
6B/2835	Computer, Mk 4B	—	No	1 per observer, ACM for Wessex and tracker aircraft			
6B/2765	Hold-all, Mk 3	—	No	1 per observer and ACM			
6B/47	Protractor	—	No	1 per Skyhawk pilot			
6B/3206	Protractor	—	No	1 per observer and ACM for Wessex and Tracker aircraft			

(917/61/136 D of V)

635/70—Naval Stores (General)—Divers Underwater Lighting Equipment—Introduction of Free Flooding Light

1. A new type of free flooding fitting, suitable for mains (high power) or battery (medium power) operation, is being introduced for use in the RAN. This fitting will replace all existing mains operated floodlights used in the diving role. Details of the fitting are shown on Drawings DEE 24941 (2 sheets) and DEE 24942, obtainable from Navy Office, Canberra.

2. When used for ships bottom searching and normal ships husbandry, the free flooding fitting requires a 150-foot length of Cable 0561/180639 terminating in a plug 0568/207673. In the high power role a 1,000 Watt Lamp 0584/996-4855 (110V-AC), 0584/996/4856 (220V-DC), or 6240-66-TSN-9537 (240V) as appropriate, is fitted and the connection to the mains supply is achieved by the use of an adaptor which comprises a 2-foot length of Cable 0561/180665 with a Socket 0568/207674 at one end and a plug suitable for the mains socket outlet at the other. When used in the medium power role the 1,000 Watt Lamp is replaced by an Adaptor Lamp Holder 0585/202810 and a 12V 60 Watt Lamp 0584/203742. The power supply is obtained from a Battery 0562/900-5599 or 0562/910-1537 by using an adaptor comprising a 2-foot length of Cable 0561/180665 with a Socket 0568/207674 at one end and a plug 0568/207761 at the other.

3. For special applications, eg, with observation chambers or underwater television, the fitting may be used to depths of 1,000 feet by fitting a 1,200-foot length of Cable 0561/180639 and a 200V, 1,000 Watt Lamp 0584/996-4852. In this role the power supply is to be obtained from a 220V-DC source. For such applications the relevant cable and lamp should be demanded from the appropriate Superintending Store Officer, Sydney. Cable 0561/180639 is a four-core cable used to limit the volt drop in the circuit. The cores are to be 'double banked', ie, two cores for the positive feed and two cores for the negative feed when connected to the Lampholder and Plug.

4. Allowances of lamps, fittings and accessories are shown in Annex A to this order and should be assembled as necessary by ships staff. Care should be taken to ensure that the 'worm drive' clips which clamp the rubber protectors round the neck of the lamp and the cable entry are securely fastened. High power fittings should not be energised for long periods out of the water as this will result in the deterioration of the rubber protector.

5. Demands to complete the authorised allowances are to be forwarded to the appropriate Superintending Store Officer, Sydney. On receipt, Lights 0583/L22711 and 0583/17074 used specifically in the diving role should be returned to the Store Depot.

6. Supply of the free flooding fittings to HMA ships under construction will be effected as part of the First Outfit of Naval Stores.

7. The undermentioned Allowance Lists will be amended in due course:

RANAL (Cat) 80	Clearance Diving Teams Nos 1 and 2 Minehunters and Explosive Ordnance Disposal	
RANAL (Cat) 81	Clearance Diving Teams Nos 3 and 4 and Papua/New Guinea Diving Team No 11	
RANAL (Cat) 82	HMA Ships Diving Teams	
RANAL (Cat) 83	Diving Training.	
RANAL (Cat) 84	RANR Diving Teams.	

ANNEX A

Allowances of Lamps, Fittings and Accessories for Diving Purposes

Group Class	Catalogue No	Notes	Description	CL	DQ	Allowances: RANAL (Cat) 80				RANAL (Cat) 81		RANAL (Cat) 82					RANAL (Cat) 83	Remarks
						CDT 1	CDT 2	MHC	EOD	CDT 4	PNG DT 11	CV. AO AP	AD	DDG DD DE	AGSC AGOR	AGS MSC	Diving School	
0583	202806	—	Light fitting ..	P	No	1	1	1	—	1	—	10	10	3	1	1 (i)	2	(i) 5 No to AGS only (ii) To AGSC only
0585	202809	A	Lamp holder ..	C	No	1	1	1	—	1	—	1	1	1	1	1 (i)	1	
0585	202810	B	Adaptor ..	C	No	2	2	2	—	1	—	1	1	1	1	1	4	
0583	202811	A	Protector ..	C	No	1	1	1	—	1	—	6	6	3	2	2	1	(iii) To AGS only
0584	996–4855	C	Lamp 110V 1,000W	C	No	2	2	—	—	2	—	1	1	1	1	1	—	(iv) To MSC only
0584	996–4856	C	Lamp 220V 1,000W	C	No	2	2	2	—	2	—	1	1	1	1	8 (iii)		(v) 6 No to AGS
6240	66–TSN–9537	B	Lamp 240V 1,000W	C	No	—	—	—	—	—	—	15	15	5	12 (ii)	2 (iv)	—	(vi) 3 No to AGS
0584	203742	C	Lamp 12V 60W ..	C	No	3	3	3	—	3	—	9	9	5	3	3 (v)	3	(vii) 8 No to AGS (viii) 8 Yds to AGS (ix) 250 yds to AGS
0562	900–5599 or 910–1537	B	Battery 12V 75AH	P	No	2	2	1	—	2	—	5	5	2	1	1 (vi)	2	A. Spares B. Includes 1 No as spares
0568	207761	—	Plug ..	C	No	1	1	1	—	1	—	5	5	2	1	1 (vi)	1	C. Includes 50% as spares
0568	207673	—	Plug ..	C	No	1	1	1	—	1	—	10	10	3	1	1 (i)	2	
0568	207674	—	Socket ..	C	No	2	2	2	—	2	—	15	15	5	2	2 (vii)	3	
0413	413148	A	Ring sealing ..	C	No	2	2	2	—	2	—	10	10	4	2	2 (v)	3	
0561	180665	—	Cable electric ..	C	Yd	2	2	2	—	2	—	12	12	4	2	2 (viii)	4	
0561	180639	—	Cable electric ..	C	Yd	50	50	50	—	50	—	500	500	150	50	50 (ix)	150	

(400/202/536 DSAP)

RESTRICTED

636/70—RAN Patrol Boats (PFTs)—Operation and Upkeep of Main Engines

1. Paxman 16YJCM Main Engines when received by English Electric Diesels for overhaul from Patrol Boats, have been found to be in need of extensive repair. In some instances the engines have been received in a dirty and obviously neglected condition. Reports of failures occurring in service indicate that greater care with Planned Maintenance, watchkeeping and upkeep of these engines is needed. It has been evident from inspection of engines under repair that excessive periods of slow running have occurred without being followed by a 'burn-off' at high powers. This is supported by remarks in Reports of Proceedings and Engineer Officers Quarterly Letters. Slow running leads to excessive carbon deposits in the cylinder heads, injection nozzles and a breakdown of lubrication on the upper cylinder walls.

2. Improvements in carrying out Planned Maintenance, engine husbandry, watchkeeping and better control over the operating conditions of the engines will all contribute to increased engine reliability and reduce engine wear to acceptable limits. The following remedial action is being taken:

a. Engineer Officers Class Standing Orders are being revised to include more specific instructions on watchkeeping duties and engine operating limitations.

b. PCT Course syllabus is being reviewed to place greater emphasis on aspects of watchkeeping and engine maintenance.

c. Planned Maintenance Schedules are being revised in the light of past experience and will include new requirements and more frequent routines in certain instances.

3. Issue of the revised publications can be expected at an early date and strict observance of these is essential if an improvement in engine reliability and reduction in the wear rate is to be achieved.

4. In addition to the foregoing, the following instructions covering engine operation, and consequently Patrol Boat operation, are to be observed:

a. *Economical Speed.* This is to be taken as 1,100 RPM for twin engine running and 950 RPM for single engine running.

b. *Slow Speed Running.* This is to be taken as 900 RPM and below for both single and twin engine operation. The maximum time to be permitted at these revolutions, and below, is five hours for single engine operation after which a one hour period is to be spent at 1,050 RPM (single engine running) before resuming low speed operation. For shorter periods at slow speeds a suitable proportion of one hour is to be spent at these conditions. Twin engine operation at low RPM is to be restricted to short periods while manoeuvring, with a similar suitable proportion of one hour at 1,250 RPM on both engines.

c. *Maximum Speeds.* These remain as follows:

(1) TWO ENGINES RUNNING 1,350 RPM—Pursuit Rating for 4 hours maximum.
1,250 RPM—Maximum Cont Rating.

(2) ONE ENGINE RUNNING 1,050 RPM—Maximum Cont Rating.

5. The attention of Commanding Officers is directed to these instructions and operational limitations.

(1234/51/372 DFM)

Section 5

BOOKS, CORRESPONDENCE, FORMS AND STATIONERY

UNCLASSIFIED

637/70—Manual of Seamanship—Revised Edition

1. Navy Order 511/70 is to be amended as follows:

a. Paragraph 3c: change distribution for HMAS CERBERUS and HMAS LEEUWIN to:

	Volume I	*Volume* II	*Volume* III	*Volume* IV
HMAS CERBERUS:				
for Recruit School	200	10		2
for Seamanship School	2	2	2	2
HMAS LEEUWIN:				
for JRTE	200	10		2
HMAS PENGUIN:				
for Seamanship School	2	2	2	2

b. *Add* new Paragraphs 6 and 7:

'6. Personnel holding copies of the 1951 edition should demand free copies of the new editions in accordance with the scales laid down in Paragraph 2. Copies of the 1951 edition need not be returned.

7. Personnel in any of the classifications listed in Paragraph 2 who were not issued with the 1951 edition should demand free copies of the new editions in accordance with the scales laid down in Paragraph 2.'

(465/52/1623 D of T)

(*Navy Order 511/70*)

Section 6

ESTABLISHMENTS

UNCLASSIFIED

638/70—Fire Precautions—Expanded Polystyrene—Potential Fire Risk

(*DCI (RN) 1031/70*)

1. Expanded Polystyrene is a cheap, lightweight and effective cushioning material for locating and protecting many types of stores within packages and is widely used commercially for these purposes. Typical instances are the packing of transistor radios, cameras, electronic and electrical components, precision tools, optical equipment and selected soft fruit/vegetables.

2. Expanded Polystyrene burns fiercely in the seat of a fire and additionally:

a. melts at high temperatures (about 250° C) and may help to spread an existing fire;

b. when exposed to temperatures above 150° C, gives off vapours which are toxic and under certain conditions may be explosive.

3. The use of Expanded Polystyrene in packages specifically designed for this Department is controlled and, wherever practicable, alternative materials are used. It is not practicable, however, to control its use for items bought in 'Trade Packs' and although the quantities of Expanded Polystyrene used in individual packages are normally small, the following precautions are to be observed:

a. Expanded Polystyrene in any form is not to be stored in machinery spaces or compartments presenting a particular fire hazard and is not to be left near hot pipes, heating appliances or naked flames.

b. Waste Expanded Polystyrene is to be disposed of as quickly as possible. The material is buoyant and resistant to decomposition. Waste, therefore, is not to be thrown overboard at sea, or in harbour where it may add to local environmental pollution. Disposal should be carried out as follows:

(1) Where possible, Expanded Polystyrene is to be disposed of by incineration, only small quantities being fed into the incinerator at a time.

(2) Otherwise, the material should be landed at the first opportunity for local disposal.

(400/1/1452 DNW)

Navy Orders 438/67 to 564/67 are now over three years old and may be disposed of accordingly.

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