

RADIO STORES HANDBOOK

1945

INSTRUCTIONS

**concerning Radio Equipments,
etc., supplied from R.N. Store
Depots under the orders of the
Superintending Naval Store
Officer, Haslemere.**

<i>D.N.S.O.</i>	<i>Section</i>	<i>Duties.</i>
1	1A 1B 1C 1D	Receipts (D.55 and D.56). Radar—Warrants (including Repayment Services). Accounts (Ships, D.66s, Supply Notes, E. Lists). Visual Signalling.
2	2A 2B 2C	W/T Warrants—(Cruisers and above, small vessels). W/T Warrants—(Below Cruisers, <i>ex</i> small vessels, Depot Ships). W/T Warrants—(W/T and Air Stations, Naval Establishments, Repayment Services).
3	3A 3B 3C	Stock Maintenance—F.F.3 ; also stock queries. Stock Maintenance—Subs. and Items other than F.I.A., Part I, F.F.3 and F.4 ; Non-Pattern. Stock Maintenance—Resistances and Condensers (F.I.A.). F.4.
4	4A 4B 4C 4D	Stock Maintenance F.I.A. Part I 1-4800 Stock Maintenance F.I.A. Part I 4801-9900 Stock Maintenance F.I.A. Part I 50000 B.14, L.P. and Central Records.
5	5A 5B 5C 5D 5E	Free Issues and A.S.E. Supplies. Free Issues. Free Issues. Direct Despatches. Free Issues.
6	6A 6B 6C	Radar and W/T Pools. Yards and Bases. Base Spares and Deficiencies. Yards and Bases. Replenishments.

Telegraphic addresses of Naval and Civil Authorities are given in Art. 116.
Urgency codes for despatch of stores are given in Art. 116.
See Art. 24 par. 2 re messages to Depots for despatch of stores.

7. **Secret and Confidential Matter.**—T.P. messages which contain such information must have word "Secret" or "Confidential" inserted in bold letters immediately before the text of the message. Secret and Confidential messages are not to be passed as telephone signals. M.A.C. Ships—See C.A.F.O. 404/44 as to restriction in use of term.

8. **References to Dates and Times, etc.**—The time of origin of messages is always to be expressed and referred to in groups of six figures followed by a zone letter and the month as follows:

First two digits.—The day of the month. Dates from 1st to 9th must be preceded by "0".

Second two digits.—The hour, on 24 hour basis. Times up to 9.59 a.m. must be preceded by "0".

Third two digits.—The minutes. Minutes up to 9 must be preceded by "0".

Zone letter Z.—If hours and minutes are at G.M.T.

Zone letter A.—If Single Summer time, i.e., clock advanced one hour.

Zone letter B.—If Double Summer time, i.e. clock advanced two hours.

(Ports abroad use other zone letters to correct local time to current B.S.T. reading.)

Following are examples of timing outgoing messages:

Example 1.

Message sent 9.20 a.m. on 8th April, Single Summer time, time of origin would be—
"080920A April".

Example 2.

Message sent 2.30 p.m. on 12th April, Double Summer time, time of origin would be—"121430B April".

Whenever dates are mentioned in communications, either signals or correspondence, they are to be expressed:

(a) The day, month and year; in that order,

(b) The day—to be stated in numerals.

(c) The month—to be given in full or suitably abbreviated in letters, e.g. April or Apr.

(d) The year—to be expressed either in 4 digits or last two digits, e.g. 1943 or 43.

If it is desired to indicate the end of a sentence, etc., in a message, the word "full stop" must be written in full—the word "stop" is not to be used in this connection.

9. **Reference to formers** in messages should be in terms of:

Your 204024A January.

My 151813B April.

P.W.T.O. 060918B May.

When a message is sent and/or repeated for information to several authorities it must be made clear if any former signal quoted therein was not addressed or repeated to any authority then being communicated with, as follows:

"My 131802B June, not to Lyness . . ."

It is very important that messages should be referred to by the time of origin and date, and not by the time of receipt.

10. **References to Articles.**—These must be standardized. On a voucher or in a statement the order is Pattern No., Description, Quantity. In a message or in the body of a letter, etc., the order is Quantity, Description, Pattern No., and with messages the quantity should be written in full. A T.P. for example, should read:

"Please send twenty four resistances pattern 926"

and not

"Please send Pattern 926 resistances 24 No."

A long statement may, however, be incorporated in a message by means of stating "Read following in three columns headed: "Pattern, Description, Quantity", and continuing with details in that order.

copies to Haslemere where all D.55s are to be registered. If any of the forms are received initially at depots they should be sent to Haslemere. A series of registers are to be used, the numbers being prefixed by letters as follows :

F.1a	Patts 1-4,800..	..	HA
Part 7	4,801-9,999..	..	HB
	50,000..	..	HC
	Resistances	}	.. HR
	Condensers		
F.4	Valves	..	HV
Other Subheads	.. ..	..	HO
Direct Despatch	.. ..	..	HD
Local Purchases	.. ..	..	HP

3. Depot Deliveries.—After registration and notation in Dues Record Payment copy is to be filed at Haslemere. Establishment copy is to be sent by receipt section to Glossop (for W/T), Oldham (for Radar) or Stockport (for V/S, etc.).

The receipt section at receiving depot is to affix No. 3 receipted copy of D.44 concerned to Establishment copy of D.55, and return to Haslemere where Payment copy is to be attached and Certificates "B" and "C" signed. Both copies to be bundle stamped, and register to be set off. Payment copy is to be posted to supplying firm and Establishment copy noted finally in Dues Record and placed on daily bundle.

4. Direct Despatches.—Transactions of "On and Off" nature are dealt with in separate set of ledgers at Haslemere and vouchers are not to be passed to depots for ledger and bundle. For action in connection with shortages and damage *see* Art. 35, par. 7.

(a) **Old Style Forms.**—After registration, Payment copy is to be filed. The Establishment copy is to be noted in Dues Record by stock section and the necessary receipts or clearance voucher obtained or prepared by :

- (i) Direct despatch group for deliveries to contractors/and special services.
- (ii) Receipt section for deliveries to ships, yards, etc., home and abroad. (For service abroad shipment particulars replace formal receipt.)
- (iii) K.S. (A.S.E.) Witley for stores intended finally for A.S.E. extensions. (Certain stores are sent initially to A.S.E. extensions for special test, etc., and are later passed to depots for receipt. These must be dealt with at depots as new deliveries from firms and K.S. will mark invoices accordingly.)

(b) **New Style Forms.**—The supplying contractor sends payment and Depot copies to Haslemere and after Registration Establishment copy is to be noted in Dues Record by stock section. Payment copy is to be sent by groups as (a) above, with Form D.55a to receiving authority or firm who certifies thereon, sends the Payment copy to supplying firm (who claims direct on D.N.A. on form D118) and returns the D.55a duly completed to Haslemere. Completed D.55a is to be attached to depot copy of D.55, set off in register, finally note in Dues Record, recorded on D.157a and placed on daily bundle at Haslemere, to be posted for Haslemere "On and Off" ledgers.

(c) **Losses and Damage.**—*See* A.F.O. 647/44.

37. DEPOT PROCEDURE WITH FORM D.44

D.44 Procedure.—All receipts at depots effected under contracts, specifications and local purchase orders are to be dealt with on the special D.44 forms, registered serially, prepared in 5 copies from the copy of Invoice D.55, Part III, in the package and firms advice in package. These forms are used as follows :

to prevent mixing of returns with new stores and segregation of packages for onward despatch.

2. Packages Received for Onward Despatch (Conveyance Only).—It is very important that inward shipper shall transfer to shipper and report immediately to shipping section any packages which arrive from A.S.E., contractors, etc., for shipment abroad. Under arrangements in Admiralty letter of 8/10/43, N.S. 1121/A5287 small parcels from Mersey area are also sent to Glossop to be placed in cases containing other small packages being packed for shipment to Director of Stores (W.), for distribution (small packages for U.S.A. must not go by post). Report is to be made by depot to S.N.S.O., Mersey, giving particulars of shipment of all such packages. All packages received at depots from other authorities for onward despatch *which already bear a package number* are to be dealt with throughout under such number and are not to be given new package numbers at the depot. Packages received for onward despatch which do not already bear a package number must be given a package number at the depot before onward despatch. (See Art. 156.)

46. INVOICES D.66—TRANSFER FROM OTHER NAVAL STORE AUTHORITIES

Depots are to deal with deliveries on inward shipment unpacking books and landing sheets.

(a) From Yards and Areas at Home.

Copy No. 2 (Duplicate).—Received direct by E.A.O. from (S) N.S.O. at sending yard or area and after registration sent to Vilette, Haslemere, to await triplicate. As soon as triplicate is received duplicate is to be passed to and noted by dues group of stock section and returned to Vilette.

Copy No. 3 (Triplicate).—Received by Haslemere (or if received first at depots to be passed to Haslemere), with Schedule D.66a. The E.A.O. registered number as shown on duplicates to be inserted on triplicates and triplicates detached from schedule and sent to depot concerned where they are to be dealt with by inward shipper and checked against unpacking book. After check the stores and triplicates are to be passed to stock storehouseman to take on charge. Haslemere invoice section at Vilette is to set off the triplicates on daily bundle in schedules, insert receipt bundle date on duplicate copies, and E.A.O. at Haslemere also sets off his register from triplicate vouchers in the bundle. Dues group is to complete the dues entry from triplicates on daily bundle.

Copy No. 4 (Quadruplicate).—These should be received in the box with the stores and must be used to check up deliveries. In urgent cases or where triplicate fails to arrive. Quadruplicate is to be marked in red "Triplicate Receipt Voucher" and used to take the stores on charge instead of the triplicate, and in such cases the triplicate, if received, must be replaced on daily bundle "Record Only" endorsed with bundle date on which stores were taken on charge with quadruplicate.

Final Credit.—The Haslemere, Vilette, invoice section must prepare daily or weekly final credit reports of vouchers passed to account on forms D.67a with duplicate copies of D.66s for each yard or area and pass forms to E.A.O. for countersignature after check with his registers. Date of form D.67a to be noted on Schedule D.66a. Forms are then to be returned to "Vilette" and must be posted to (S) N.S.O. at sending yard or area.

Repayment
X
BLUE

Repayment Supplies to :
Other Navy Votes.
Other Departments of Home Government.
Allied and Dominion Governments.
(See Art. 50, paras. 1(b) and (c)).

54. VOUCHER IDENTITY CODE

To enable the section of the office responsible for vouchers to be known and to facilitate distribution of office copies of packing notes, each issue voucher is to have a letter code in front of registered number, as follows :

Supply Service Group		Letter code for vouchers raised at								
Group	Ships, etc.	HASLEMERE	GLOSSOP	OLDHAM	SOWERBY BRIDGE	STOCKPORT	ROCHDALE P.	ROCHDALE U.	DELPH	PROCKTER'S VALE MILL
W/T	Cruisers and larger vessels, M.A.C. ships, small craft (T.W. 12 sets)	A	GA	OA	BA	SA	PA	RA	DA	VA
W/T	Flotilla Leaders, Destroyers, Corvettes, Frigates, Sloops, etc., Submarines, all depot ships, A.M.Cs	B	GB	OB	BB	SB	PB	RB	DB	VB
W/T	Naval, Air and W/T Stations, Training and Experimental Estbs., Repayment Services, Dominion, Foreign and Colonial Governments, other depts., etc.	W	GW	OW	BW	SW	PW	RW	DW	VW
Radar	All Ships and Establishments and Repayment Services ..	F	GF	OF	BF	SF	PF	RF	DF	VF
V/S etc.	All Ships and Establishments and Repayment Services ..	L	GL	OL	BL	SL	PL	RL	DL	VL
All	Initial stock supplies and deficiencies for Yards, Depots and Bases	D	GD	OD	BD	SD	PD	RD	DD	VD
All	Replenishment stocks for Yards, Depots and Bases	E	GE	OE	BE	SE	PE	RE	DE	VE
All	Repairs, etc., F.I.A.	C	GC	CC	BC	SC	PC	RC	DC	VC
All	Repairs, etc., other subheads	J	GJ	OJ	BJ	SJ	PJ	RJ	DJ	VJ
All	Free issues	H	GH	OH	BH	SH	PH	RH	DH	VH
All	Pool issues	P	GP	OP	BP	SP	PP	RP	DP	VP
All	A.S.E. requirements	Y	GY	OY	BY	SY	PY	RY	DY	VY
All	Miscellaneous (D.184) ..	M	GM	OM	BM	SM	PM	RM	DM	VM

Depot	First Letters Two	Third Letters Common to all depots
N.S. Depots		
Glossop	HG	A E.F. general packing, yards, etc.
Sowerby Bridge	HB	B Stores issued for repair.
Stockport	HS	C Contractors' components.
Oldham (Castle)	HO	D Deficiencies on sets.
Rochdale (Union)	HR	M Repayment supplies, D.623, sale, etc.
Rochdale (Pillings)	HP	P Plan-packed sets.
Delph	HD	R Receipt rejections.
Oldham (Prockters Vale)	HV	S Stores packed by A.S.E. test rooms.
Hunsworth	HN	T Stores for Admiralty signal estab'm'ts.
Hollingworth (Glossop)	HE	W Post packages.
Greenfield	HF	X Crystals or special service.

See Art. 31 *re* special package number series for stores transferred between radio depots.

The following package letters used by A.S.E. and firms are included for information (See Art. 45, par. 2.)

A.S.E.

Witley	WY
Whitwell Hatch	H & HP
Brighton	B & BP
Cambridge	CAM
Waterlooville and Havant	HW
Liss	L
Bristol	BR
Bosham, Leydene, Nutbourne and Hambrook	P

Chapman, Lowry & Puttick, Haslemere

HHE	Packages for home.
HHK	Packages for abroad.

Green Frog, Haslemere

HHF

3. New distinguishing letters for package numbers must not be assigned without approval of Director of Stores.

4. Instructions *re* packing notes and procedure for disposal of copies No. 1 for stores sent "loose" or in crates are given in Arts. 90, 91 and 171.

88. CHOCKING

Chocking should be resorted to inside cases when necessary to secure individual articles, care being taken to fix the chocks in a position where they bear on a solid and safe portion of the article, and that the weight is not taken on nails driven into the end grain of the chocking piece when the case is turned over. Heavy machinery items, etc., sent in cases must be well chocked in place and stout cases must be used. These articles often provide an uneven internal weight distribution and are liable to burst cases open when overturned, unless the strength is adequate.






2. Unless the article fits the case reasonably closely, the chocking should be "halved," i.e. divided equally between bottom and top, either side and either end. This arrangement tends to strengthen the case all round and places the weight more centrally in the package. By "halving" it is also frequently possible to use up old timber to better advantage. Articles being chocked in cases should be wrapped completely in waterproof paper before

100. MARKINGS

Paint or approved ink must be used for all markings of packages. (See Art. 101, par. 2.)

2. The approved markings on packages, as distinct from addresses, are :

(a) **To be Used Irrespective of Method of Despatch :**

- | | | |
|---|---|--|
| (i) The package number, e.g.
HOB 2576 | } | All packages and loose articles. |
| (ii) The weight, e.g.—
3 cwt. 1 qr. 10 lb. | | |
| (iii) The subhead and item of
stores, e.g. <i>Sub. F.I.A.</i> | } | All packages. |
| (iv) A Yellow Band 2" wide, in
centre on all sides. | | |
| (v) A Blue Band 2" wide in
centre on all sides (in
addition to Yellow Band). | } | All cases and crates for shipment to
Turkey. |
| (vi) Four 3" squares 2" apart in
RED as—
 | | |
| | | Packages containing Radar stores. |
| (vii) " /V " placed immediately
after packing number,
e.g. HGA 2908/V. | | Packages for H.M. ships or services, i.e.
which are <i>not</i> intended finally for the
authority to whom consigned. |
| (viii) GLASS WITH CARE. | } | Packages to which applicable. |
| (ix) FRAGILE. | | |
| (x) THIS SIDE UP. | | |
| (xi) ACID—DANGEROUS. | | |
| (xii) INFLAMMABLE (fol-
lowed by description and
flashpoint. | | |
| (xiii)  | | Packages despatched home and abroad for
delivery to <i>submarines</i> . |
| (xiv)  Followed by the
appropriate Defect
List or A. & A.
number. | | Packages of stores for use during <i>repair or
refit of H.M. ships repairing U.S.A.</i> |
| (xv)  | | Packages of maintenance, etc., stores for
ships' use <i>when sent to H.M. ships repair-
ing U.S.A.</i> |
| (xvi)  | | Packages of stores intended for " Pools "
in <i>U.S.A.</i> |

indicating contents, as directed in appropriate plan-packing schedule. (See Part XIII.)

- (xviii) To be marked on two sides "BRITISH NAVY." Packages intended for Naval use in occupied ports, or at North African, Sicilian, Italian and Indian ports.
- (xix) To be marked "ROYAL NAVY STORES." Packages supplied to Australian Ports on Imperial Account.

To be Used Under Certain Despatch Conditions Only.

- (i) CABIN FREIGHT.
- (ii) SPECIAL STOWAGE.

Packages for which such action is specially directed. All packages containing delicate apparatus are to be marked "Special Stowage." (See Art. 92, par. 5, *re* valves.) Stores for which "Cabin Freight" stowage has been allocated should be personally conducted to Messrs. Hogg, Robinson & Capel Cure, Ltd., agents at the port of shipment for instructions. They should *not* be handed direct to a ship's officer. In the case of such stores intended for shipment under Movement Control arrangements, they should be delivered to the E.S.O. Stores for "Lock-up Stowage" should, where possible, be personally conducted direct to ship's side. Packages should bear the marking "CABIN FREIGHT" or "LOCK-UP STOWAGE" as appropriate, all shipping documents being annotated accordingly. Requests for Cabin Freight should be kept to a minimum and in this connection attention is drawn to Admiralty Postal Message Ref. A.1298 dated 11th March, 1944.

(iii) **F.O.(S) SHIPMENT.**

- (iv) An indication of nature of contents, e.g., RADIO STORES, TOOLS, ETC.
- (v) A BLUE Diamond as

Packages for shipment *as cargo* in H.M. submarines. (See Art. 162.)

of bold size to be painted on all sides and each end of every package.

- (vi) The military stores shipment index number. The package number. The port of destination abroad (unless this is not to be shown) together in a black-edged square or cage on white ground as:

Packages for shipment in *requisitioned* freightships. (See Arts. 160 and 163.) The "V" at (a) (vi) must be added to package number when necessary.

136/18 H.G.A. 9801 TARANTO

copies of D.66's to shipper's copy of the packing note and shipper must see that he secures all the copies concerned. (See Arts. 61 and 45 re packages for shipment which are received from other sources.) Attention is called to the necessity to use existing package numbers for "Conveyance Only" packages received from other authorities in Art. 45.

2. The shipper is responsible to see that the suffix "/V" is actually placed after the package number in respect of all stores sent to yards, bases, etc., for H.M. ships and services. Package numbers of stores intended for stock are not to have this suffix.

114. PACKAGES AWAITING DESPATCH

Care in the arrangement and stowage of packages awaiting despatch will avoid many errors and expedite urgent loadings. Large blocks of cases, etc., should not be permitted; there should be frequent firebreak passages to prevent spread of fire and to provide avenues for fire attack.

2. A monthly stocktaking of all packages awaiting despatch must be undertaken and check made to see that shipper's copy of packing note is held for each package and that the packages are kept waiting for some good reason. Similarly the shipper should satisfy himself that he has received all packages prepared in the packing rooms by checking up the completed and waiting D.71 forms and enquiring about any numbers which cannot be accounted for at the shipping store. The D.N.S.O. responsible for shipment is to institute the checks in question and to satisfy himself that all queries arising have been satisfactorily cleared up.

115. COURIERS

When very great urgency or secrecy is involved, N.S.O's may authorize stores to be accompanied by a courier. Couriers for general stores may be reliable male or female workers or W.R.N.S., etc., as available and convenient. Couriers for secret stores must be selected male employees. All civilian couriers should have D.R.12 Pass, an appropriate form on which to obtain receipt and a signed open letter (which is to be handed in on return). The standardized letter form should be used for this purpose, as follows:

Naval Service	Address and date stamp of
CIVIL SPECIAL DUTY	issuing depot.
Reg. No.....	Tel. No.....

The person supplied with this letter is responsible for its safe custody and to hand it to issuing officer immediately on return to depot. The letter should be shown to naval and military authorities, police, railway officials, canteen staffs, etc., as necessary when assistance is required.

TO WHOM IT MAY CONCERN

Mr. (Mrs. or Miss)..... National Reg. No.....

This is to certify that the above person who is in possession of Admiralty D.R. 12 Pass No., is travelling on urgent naval service and it is requested that all possible assistance may be given.

Authorities and societies providing meals, etc., for members of H.M. Forces are requested to grant facilities for refreshment as may be necessary.

The validity of this letter EXPIRES ON.....by which date the service should have been completed.

.....
NAVAL STORE OFFICER.

The above forms are to be prepared by the officer authorizing the rail warrant and must be collected on return of courier.

190. GENERAL

See Parts IV and V *re* vouchers and warrant procedure.

2. Purpose of Planned Packing.—This procedure is a means for packing radio sets on mass-production lines and provides for the various articles to be placed in cases in the order best suited to ship-fitting needs. Major items are generally pre-packed by manufacturers and delivered to depots for association with cases packed by other firms or in radio depots.

3. Trial Packing.—Technical officers divide the components of the type of set to be plan-packed into four main categories :

- | | | |
|---|---|--|
| <ul style="list-style-type: none">(a) Articles required for preliminary work.(b) Main components of the installation.(c) Accessories required to enable set to operate.(d) Spares for maintenance. | } | <p>Each of these may require more than one case.</p> <p>Alternative supplies required to provide for individual voltages, gunnery equipments, etc., are kept separately.</p> |
|---|---|--|

Practical trial of packing a set is then carried out to determine the best arrangement and the extent to which standard cases can be used.

4. Plan-Packing Schedule.—This is a list showing what should go into each case, and is drawn up as a result of the trial packing. The schedule includes agreed marking and numbering of cases to enable fitting-out officers to select the cases as required, and the schedule is issued after approval by S.N.S.O. Amendments to schedule must be supplied to all holders.

5. Pools.—When it is decided to plan-pack equipment a " pool " number is allocated for general convenience, and the number of the pool should appear on all vouchers concerned. The pools at each N.S. depot are under the management of an officer who is responsible for the general control of all office and store work involved, and these officers are usually referred to as pool managers. Pools at contractors' works are dealt with generally as depot pools, issues of stores being made on forms D.184C (Code N) prepared at Haslemere, or by direct despatch, instructions for delivery of completed cases being given to Firms by Pool Section, Haslemere. Firms should be instructed to place a detailed packing note in each case and to send a copy of each packing note to Haslemere. The general record of pool supplies at firms is to be maintained at Haslemere in special docket as for free issues.

191. DEPOT POOL SUPPLIES

Accounts.—Office and store ledger records are to be kept of stocks in each pool and are to be regarded in all respects as main ledgers. They are to be posted as to receipts from copies of D.184 vouchers and as to issues from vouchers prepared for issue to ships and services Issue vouchers must be endorsed " Pool No. ledger only, not for ' Kardex.' " Urgent supplies made from pool stocks to services other than those dealt with in the pool packing, must be issued off pool ledger from the appropriate issue voucher, which should be endorsed " Pool No. ledger only, not for ' Kardex.' "

2. Transfers to Pools.—Each pool must indent on Haslemere Pool Section monthly for requirements for four months based on information available as to production rate. These indents must be prepared on special forms provided, in quadruplicate, three copies being sent to Haslemere. Pool Section, Haslemere, is to arrange release of available quantities through " Kardex," " Kardex " noting the outstanding quantities. One copy of

Attention is called to instructions in Articles 51, 100 to 103, 111, Part XI.

2. The following pages contain standard addresses of various authorities and these are to be used as necessary unless other special addresses are given. The inclusion of addresses abroad does not authorize them to be shown on packages and vouchers when sent by special means under which destinations are not to appear.

3. Addresses of R.N. and R.M. Barracks and Training Establishments are given in C.A.F.O. 1728/43 and addresses of R.N. Air Stations are given in the Navy List which should be referred to as necessary. Admiralty Signal Establishment Extensions, also Admiralty Experimental Stations at Home are shown together in the following pages under "A."

4. Care should be taken that No. 6 copies of D.71 forms, D.80 forms, etc., are sent to the correct address where the address for documents is different from that for stores.

5. Where standard addresses are authorized, the full addresses are to be used abbreviated forms of address are liable to cause confusion and delay.

6. For telegraphic addresses of Naval and Civil authorities at Home, see A.F.O. 513/44.

HOME PORTS, ETC.

ADDRESS FOR STORES	ADDRESS FOR CONSIGNMENT DOCUMENTS when different from that for stores
<p>ABERDEEN Stores for craft building or under repair— See List IV at end of this appendix. Stores for onward despatch to Orkney and Shetlands. See "Coastwise Freight." Ship or Service concerned, c/o Naval Store Officer, R.N. Store Depot, Regent Quay, Aberdeen.</p> <p>Small Packages.—Stores within G.P.O. limits (and which are not required to go by air) must be sent by post direct to <i>ultimate consignee</i> (H.M. Ships, c/o G.P.O.) and not by rail c/o N.S.O., Aberdeen.</p>	<p>No. 6 copies of Packing Notes. Direct to ship or service concerned.</p> <p>D.80's. Naval Store Officer, 42 Regent Quay, Aberdeen.</p>
<p>ADMIRALTY SIGNAL ESTABLISHMENTS Stores for Lythe Hill, Whitwell Hatch and Witley. Stores Officer, Admiralty Signal Establishment, Witley, Surrey.</p>	<p>No. 6 copies of Packing Notes. Stores Officer, Admiralty Signal Establishment, Witley, Surrey.</p> <p>D.80's Address as for stores.</p>

ADMIRALTY SIGNAL ESTABLISHMENTS—continued**PORTSMOUTH**

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

Radex House,
R.M. Barracks,
Eastney, Portsmouth.

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

R.T.I Section,
Eastney Fort East,
R.M. Barracks, Portsmouth.

NUTBOURNE

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

H.M. W.T. Station, Hambrook,
Nutbourne, Chichester.

FLOWERDOWN

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

c/o H.M.S. *Flowerdown*,
Winchester, Hants.

HAMBROOK

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

Hambrook House, Hambrook,
Chichester.

WATERLOOVILLE

Stores Officer,
Admiralty Signal Establishment
(Extn.),

"Trosnant,"
Stockheath Lane,
Havant, Hampshire.

LISS

Officer in Charge,
Admiralty Signal Establishment
(Extn.),

Station Road,
Liss, Hampshire.

No. 6 copies of Packing Notes.

Central Stores Officer,
Admiralty Signal Establishment,
Witley,
Surrey.

D.80's.

Address as for stores.

ADMIRALTY SIGNAL ESTABLISHMENTS—continued**BRISTOL**

Officer in Charge,
Admiralty Signal Establishment
(Extn.),
H.M. Wills Laboratory,
Bristol.

BRIGHTON

Officer in Charge,
Admiralty Signal Establishment
(Extn.),
c/o Allen West & Co.,
East Moulsecomb Works,
Brighton.

CAMBRIDGE

Officer in Charge,
Admiralty Signal Establishment
(Extn.),
New Cavendish Laboratory,
Cambridge.

KEIGHLEY

Officer in Charge,
Admiralty Signal Establishment
(Extn.),
Park Works,
Chatsworth Street,
Keighley.

ADMIRALTY EXPERIMENTAL STATIONS

See "Coastwise Freight."

Officer in Charge, A.E.S. No. 1,
c/o Naval Officer in Charge,
Lerwick, Shetlands.

Officer in Charge, A.E.S. No. 2,
c/o Naval Officer in Charge,
Lerwick, Shetlands.

Officer in Charge, A.E.S. No. 3,
c/o Naval Officer in Charge,
Lerwick, Shetlands.

Officer in Charge, A.E.S. No. 4,
c/o Naval Officer in Charge,
Lerwick, Shetlands.

No. 6 copies of Packing Notes

Stores Officer,
Admiralty Signal Establishment,
Witley, Surrey.

D.80's

Address as for stores.

ADDRESSES, ETC., OF CENTRAL RADIO STORE DEPOTS

	<i>Tel. No.</i>	<i>Railway</i>	
		<i>Station</i>	<i>Tel. No.</i>
HASLEMERE			
S.N.S.O. Headquarters Suptg. Naval Store Officer, Aldworth House, Haslemere, Surrey (Residence of S.N.S.O.) (Residence of N.S.O.)	Haslemere 1060 Stalybridge 2491 Haslemere 297	Haslemere	Haslemere 156
Accounts Office Suptg. Naval Store Officer, "Villette," Beech Road, Haslemere, Surrey	Haslemere 702	Haslemere	Haslemere 156
W.T. DEPOTS UNDER N.S.O.			
GLOSSOP (Residence of N.S.O.)	Glossop 593		
Glossop N.S.O. Headquarters Naval Store Officer, R.N. Store Depot, Howard Town Mill Glossop, Derbyshire	Glossop 500	Glossop Central	Glossop 16
Whitworth Naval Store Officer, R.N. Store Depot, Orama Mill, Whitworth, Lancs.	Whitworth 5148	Whitworth	Whitworth 5119
Dukinfield Naval Store Officer, R.N. Store Depot Old Mill, Dukinfield, Nr. Manchester	Ashton 2137	Ashton-under- Lyne	Ashton 2117
Hollingworth Naval Store Officer, R.N. Store Depot Longdendale Works, Hollingworth, Cheshire	Glossop 583	Old Diting Station	Glossop 189
Milnsbridge Naval Store Officer, R.N. Store Depot, J. Crowther Co., Union Mill, Milnsbridge, Yorkshire.	Milnsbridge 221	Milnsbridge	Milnsbridge 7

	<i>Tel. No.</i>	<i>railway</i>	
		<i>Station</i>	<i>Tel. No.</i>
V.T. DEPOTS UNDER N.S.O. GLOSSOP—continued Sowerby Bridge D.N.S.O. in Charge Naval Store Officer, R.N. Store Depot, Prospect Mill, Sowerby Bridge, Yorks.	Sowerby Bridge 81081-3 Night extn. 81081	Sowerby Bridge	Sowerby Bridge 81007
Hunsworth Naval Store Officer, R.N. Store Depot, Hunsworth Dye Works, Hunsworth, Nr. Cleckheaton, Yorks.	Cleckheaton 471	Cleckheaton or Spen	Central 340 Cleckheaton 21
Bradford Naval Store Officer, R.N. Store Depot, C.W.S. Works, Wharf Street, Bradford	Bradford 3610	Bradford Foster Square	Bradford 4584
Pudsey Naval Store Officer, R.N. Store Depot, Manor Works, Pudsey, Yorks.	Pudsey 3141	Pudsey Lowtown	Pudsey 3572
Buttershaw Naval Store Officer, R.N. Store Depot, Buttershaw Mills, Buttershaw, Yorks.	Lowemoor 151	Lowemoor	Lowemoor 8
Halifax Naval Store Officer, R.N. Store Depot, Crossley Works, Dean Clough Mill, Halifax	Halifax 2711	North Bridge, Halifax	Halifax 3782
Naval Store Officer, R.N. Store Depot, Courtauld Works, Dunkirk Mill, Halifax, Yorks.	Halifax 61115	Horton St., Halifax	Halifax 4294
Naval Store Officer, R.N. Store Depot, J. Holdsworth, Shaw Lodge Mill, Halifax	Halifax 2764	Horton St., Halifax	Halifax 4294

	Tel. No.	Railway	
		Station	Tel. No.
V.S., ETC., DEPOT UNDER N.S.O. GLOSSOP Residence of Officer in Charge	Gatley 4569		
Naval Store Officer, R.N. Store Depot, Springfield Works, Longshut Lane, Stockport (This depot also controls Unit at Vernon Mill, Stockport)	Stockport 3658-9	Edgley Station	Edgley 4481
RADAR DEPOTS UNDER N.S.O. OLDHAM Residence of N.S.O.			
Oldham, N.S.O. Headquarters Naval Store Officer, R.N. Store Depot, Castle Mill, Schofield Street, Oldham	Oldham Main 5441-4 Night Extn. 5441	Oldham Mumps	Main 3471 (Goods) Main 4454 (Pass.)
Hollinwood Naval Store Officer, R.N. Store Depot, Prockter's Vale Mill, Chamber Road Hollinwood, Lancs.	Oldham Main 3427-8	Oldham Mumps	Main 3471 (Goods) Main 4454 (Pass.)
Rochdale D.N.S.O. in charge at Pillings Mill Residence of Officer in Charge	Rochdale 3837		
Naval Store Officer, R.N. Store Depot, Pillings Mill, Norwich Street, Rochdale, Lancs. (This depot also controls small units at Edwards & Bryning, Atlas Works, Rochdale, and at Fairfields Co., Hammer Lane, Rochdale)	Rochdale 3112-3	Rochdale	Rochdale 2182
	Rochdale 2493		
Naval Store Officer, R.N. Store Depot, Union Mill, New Barn Lane, Rochdale, Lancs. (This depot also controls the unit at the adjoining Valley Ring Mill)	Rochdale 4005	Rochdale	Rochdale 2182

TELEPHONE LIST

The public call numbers given should not be used if connection can be obtained through official network of trunk lines. Special attention is called to Article 1, par. 2. Telephone numbers of Haslemere and Radio depots are given in Appendix II.

ADMIRALTY (D. of S.)

Branch 1

		Telephone
		Whitehall 9000
Mr. R. Henderson, D.D.S.	(All transport)	Extn. 850
Mr. A. H. J. Watson, A.D.S.	(Staff)	Extn. 594
Mr. Perry	(Accommodation and plant) ..	Extn. 68
Mr. R. J. W. Ingle, A.D.S. ..	(M.T.)	Extn. 90
Mr. H. A. Syms	(M.T.)	Extn. 1103
Mr. S. F. Cooper, A.D.S. ..	(Sea and Air)	Extn. 9
Mr. H. C. Pinfold	(Outward Shipments except American and in H.M. ships)	Extn. 683
Mr. J. Davis	(Mediterranean, etc.)	Extn. 25
Mr. N. Y. Thorn	(American and in H.M. ships) ..	Extn. 1009
Mr. H. W. Knight	(Africa, India, Ceylon)	Extn. 955
Mr. E. T. E. Ward	(Inward Shipments except American and Air Freight) ..	Extn. 144
Cdr. H. Whitworth, R.N.V.R.	(P.R.T.O.)	Extn. 582
Movement of Stores Traffic ..	.. .. .	Extns. 149 & 633

Branch 6

		Chancery 8800
Mr. L. Road, D.D.S.	(All Electrical stores)	Extn. 44
Mr. F. J. W. Legg, A.D.S. ..	(Radio and A.S. Stores)	Extn. 46
Mr. G. P. Simmons	(W.T. and D.F.)	Extn. 129
Mr. M. A. Posner	(Radar, etc.)	Extn. 108

Branch 10

		Whitehall 2191
Mr. P. Inwood, A.D.S.	(F.A.A. Stores)	Extn. 137
Mr. W. Handley	(Radio)	Extn. 207
Mr. V. P. Woodhams	(Radio)	Extn. 329
Mr. A. S. Carlile	(W.T.)	Extn. 206
Mr. L. R. Home	(Radar)	Extn. 323
Mr. L. Rigby	(Liaison)	Extn. 128

BATH

Mr. H. E. Parker	(U.S.A., etc., Shipments) ..	Bath Tennyson Extn. 9269
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ADMIRALTY SIGNAL ESTABLISHMENT, HASLEMERE Haslemere 1080

		Lythe Hill Exchange
Commander M. .. .. .	.. .. .	Extn. 296
Night Duty Officer .. .. .	.. .. .	Extn. 218
Transport Officer .. .. .	.. .. .	Extn. 243
Central Stores Officer (K.S.) Witley	.. .. .	Godalming 1500 Extn. 910

(See detailed addresses in Appendix I)

Nutbourne," Funtingdon	.. .. .	..	Emsworth 25
Hambrook," Chichester	.. .. .	..	Emsworth 884
.. .. .	.. .. .	..	Liss 35
Leydene "	.. .. .	..	Petersfield 760
.. .. .	.. .. .	..	Cambridge 55478
.. .. .	.. .. .	..	Bristol 20326
Waterlooville, Hants	.. .. .	..	Waterlooville 2255
Sherbrooke," Glasgow	.. .. .	..	Ibrox 1175
.. .. .	.. .. .	..	Winchester 1941/2
.. .. .	.. .. .	..	Godalming 1500
.. .. .	.. .. .	..	Brighton 1048
.. .. .	.. .. .	..	Keighley 3781

NAVAL STORE AUTHORITIES (See detailed addresses in Appendix I)

<i>Port</i>	<i>N.S. Authority</i>	<i>Name of Radio Equipment Asst. (if any)</i>	TELEPHONE
D.S., Scotland			Glasgow Central 8700 Ext. 59
Chatham	S.N.S.O.		Chatham 3221
Portsmouth	S.N.S.O.	Mr. Davies	Portsmouth 74571
Portland	N.S.O.		Weymouth 340
Devonport	S.N.S.O.	Mr. Treacher	Devonport 740
Sheerness	N.S.O.		Sheerness 60
.. .. .	S.N.S.O.	Mr. Bullimer	Dunfermline 1301
.. .. .	S.N.S.O.		Stroud 371
.. .. .	N.S.O.		Cardiff 7924 Extn. 34
.. .. .		Mr. Southern	Cardiff 7924 Extn. 97
.. .. .	S.N.S.O.		Liverpool Central 8060 Extn. 601-2
.. .. .	N.S.O.		Preston 4693
.. .. .			Birkenhead (West Float)
.. .. .			Wallasey 1265
.. .. .			Barrow 1479 Extn. 8
.. .. .		Mr. Braide	Liverpool Central 8060 Extn. 623, 630
.. .. .	S.N.S.O.		Glasgow Central 3475
.. .. .	N.S.O.		Greenock 2280
.. .. .		Mr. Morgan } Mr. Robinson }	Ibrox 2310
.. .. .	S.N.S.O.		Stafford 1360
.. .. .	N.S.O.		Coventry 5591
.. .. .	N.S.O.		Leeds 30707
.. .. .	N.S.O.		Aberdeen 7677
.. .. .	N.S.O.		Newcastle 25111 Extn. 127
.. .. .		Mr. Dann } Mr. McMenemy }	Newcastle 22581/2

<i>Port</i>	<i>N.S. Authority</i>	<i>Name of Radio Equipment Asst. (if any)</i>	Telephone
London	N.S.O.	Mr. Lenton	Royal 7611 Lee Green 3211 Extn. 16
Southampton	N.S.O.	Mr. Botright	Albert Dock 2368/2508 Southampton 74463 Southampton 88251
Hull	N.S.O.	Mr. Bugler (T.A.) Mr. Pearce	Hull Central 35900 Extn. 33 Perth 2391
Perth (Almondbank)	S.N.S.O.		
Copenacre	S.N.S.O.		
Lyness	N.S.O.	Mr. Hogg	Through Admiralty Exch.
Belfast	N.S.O.	Mr. Dodd	Belfast 58041
Londonderry	N.S.O.	Mr. Cooper	Londonderry 3211 Extn. 316
Dover	N.S.O.		Dover 1250
Park Royal	N.S.O.		Wembley 3014
Alexandria		Mr. Adams (T.A.)	
Australia (Sydney)		Mr. Craig	
Ceylon		Mr. Worth	
Malta		Mr. Fish	

TRANSPORT SERVICES

	Telephone
Principal Rail Transport Office, Admiralty	Whitehall 9000 Extn. 149 or 633
Admiralty Garage, Chiswick	Chiswick 2487
M.O.W.T. Road Haulage, Manchester	Manchester 2214 Blackfriars 2852
" " " Derby	Derby 46437
" " " Huddersfield	Huddersfield 4637
" " " Leeds	Leeds 30641 Derby 3691
Military Movement Control (For Glossop)	
Military Movement Control (For Oldham, Rochdale, Stockport)	Preston 84251 Leeds 61046
Military Movement Control (For Sowerby Bridge)	
Military Movement Control, 18 Cotton Exchange Buildings, Old Hall Street, Liverpool	Bootle 3930 Liverpool 4301 Advance 7334 Inverkeithing 146 Extn. 69
Hogg, Robinson & Capel Cure, Ltd.	
Air Freight North of Scotland (See C.A.F.O. 174/44)	

RAILWAY STATIONS

Euston, L.M.S.	Euston 1234
Manchester, London Road	Manchester Central 3111 Manchester Blackfriars 3456
" Exchange	Manchester Blackfriars 3677
" Central	
Heysham (L.M.S.)	Heysham 73

Haslemere
Glossop
Rochdale
Oldham
Stockport
Whitworth
Sowerby Bridge

For
Emergency Use
only

Haslemere 55
Glossop 488
Rochdale 4222
Oldham Main 3414
Stockport 2222
Whitworth 52138
Sowerby Bridge 81232