



Fig. 1

DIRECTOR GENERAL, WEAPONS DEPARTMENT

DIRECTOR GENERAL, WEAPONS

Short Title : D.G.W.

Rear-Admiral M. LE FANU, D.S.C.

<i>Civil Assistant</i>	..	..	H. R. DRIFFIELD, ESQ.
<i>Technical Assistant</i>	..	..	Cdr. T. A. COLLIER, A.M.BRIT.I.R.E.

COMMON SERVICES

There are at Bath certain common services under the Director-General, Weapons. These are the Plans Section and the Weapon Systems Testing Group.

Plans Section

<i>Head of Section</i>	..	..	O/E <i>Cdr. A. H. STRINGER,</i> A.M.I.MECH.E.
			O/E <i>Eng. Lt. W. C. ATHERTON</i>
			I. <i>Elec. Lt. R. K. TUNNICLIFF</i>

Weapons System Tuning Group

<i>Head of Group</i>	..	..	I. <i>Capt. G. J. B. NOEL</i>
<i>Deputy</i>	..	..	J. WEDGL, ESQ., M.B.E.
<i>Planning</i>	..	..	W. N. GERRISH, ESQ.
<i>Training</i>	..	..	J. W. WILDEN, ESQ.
<i>Surface</i>	..	..	I. <i>Cdr. G. St. MAUR MILLS</i>
			O/E <i>Lt.-Cdr. J. S. MCCARTHY, M.B.E.</i>
			J. CLEMENT, ESQ., B.Sc., A.M.I.E.E., A.C.G.I.
			R. N. SWANEY, ESQ., A.M.I.E.E.
			L. D. MARKS, ESQ.
			C. A. J. MYLES, ESQ.
			O/E <i>Lt. P. S. MIELL</i>
			O/E <i>Lt. J. M. GALE</i>
			O/E <i>Eng. Lt. A. D. HANSLOW</i>
<i>Underwater</i>	..	..	F. R. AMES, ESQ.
			N. F. G. CHEGWIN, ESQ.
<i>Radars and Communications</i>	..	..	W. G. MIDDLEMISS, ESQ., M.B.E.

SURFACE DIVISION

The Surface Division of the Director General, Weapons Department has taken the place of the old Naval Ordnance Department under the reorganization of the Controller's Departments. It retains the duties of the old N.O.D., but certain personnel of the old D.E.E. Department directly concerned with the design of Gunnery and Guided Weapon Equipment have transferred to D.W.S. to help carry out its function.

The responsibilities inside the new Division and how they are linked to D.G.W. are shown in FIG. 1.

DIRECTOR GENERAL OF WEAPONS (SURFACE DIVISION)

Short Title : D.W.S.

Rear-Admiral G. C. DE JERSEY, C.B.

GUIDED WEAPON GROUP

<i>Deputy Director (Guided Weapons) (DD/GW)</i>	G	<i>Capt. F. D. HOLFORD, D.S.C.</i>
<i>Seaslug System Chief Engineer (S.S.C.E.)</i>		<i>D. STEWART-WATSON, ESQ., O.B.E., B.Sc.(ENG.), A.M.I.E.E., R.N.S.S.</i>
London Staff		
<i>Assistant to S.S.C.E.</i>	.. O/E	<i>Cdr. G. E. BAKER, D.S.C.</i>
<i>Assistant to S.S.C.E.</i>	..	<i>N. BROOKE, ESQ., M.A., A.M.I.E.E., R.N.S.S.</i>
<i>Security</i>	.. G	<i>Cdr. M. F. RENSHAW</i>
<i>Application</i>	.. G	<i>Cdr. J. M. FORBES</i>
Bath Staff		
<i>Project Head, Bath Group (P.H.B.G.)</i>		<i>T. G. BARBER, ESQ., B.Sc.(ENG.), A.M.I.E.E.</i>
<i>Assistant to P.H.B.G.</i>	.. L	<i>Cdr. W. A. KYLE, B.Sc., A.M.I.E.E.</i>
<i>Launcher and Handling Gear</i>	O/E	<i>Cdr. A. POMROY</i>
	O/E	<i>Lt.-Cdr. J. B. CHEVALLIER</i>
	O/E	<i>Lt. S. HALLETT</i>
	O/E	<i>Lt. E. C. POYNTON</i>
<i>Launcher and Handling Gear for future Guided Weapons</i>	O/E	<i>Cdr. L. I. WILLS, A.M.I.MECH.E.</i>
<i>L.E.A.P., Firing and Handling Electrical Arrangements</i>	L	<i>Cdr. J. C. G. FIELD, B.Sc., A.M.I.E.E.</i>
		<i>J. W. SWAN, ESQ., B.Sc.(ENG.), A.M.I.E.E.</i>
<i>Missile Direction System</i>	..	<i>P. W. JARVIS, ESQ., B.Sc.(ENG.) A.M.I.E.E.</i>
	L	<i>Lt.-Cdr. A. W. NUTBOURNE, M.A., A.M.I.E.E.</i>
		<i>R. J. SULLIVAN, ESQ.</i>

<i>Test Equipment, Telemetry and Missile</i>	L	<i>Cdr. W. M. C. MARTIN</i>
<i>Explosives</i>	O/E	<i>Lt.-Cdr. A. BUCKLER</i>
	O/E	<i>Cdr. R. J. S. HOBBS,</i> <i>A.M.I.MECH.E.</i>
<i>System, Test Schedules and Liaison with A.S.W.E., Portsdown</i>	L	<i>Cdr. J. WRIGHT, D.S.C.</i>
	L	<i>Lt. M. Y. WORSTALL</i>

CONTROL GROUP

<i>Assistant Director (Control)</i>	L	<i>Capt. C. H. S. WISE, M.B.E.</i>
<i>Assistant to AD/C</i>	L	<i>Elect. Lt.-Cdr. A. C. WILLIAMSON,</i> <i>M.I. PLANT E.</i>

Seacat

<i>Chief Engineer</i>	L	<i>Cdr. H. R. K. BATES, D.S.C.,</i> <i>A.M.BRIT.I.R.E.</i>
<i>Policy, Application and Trials Launcher and Control System</i>	G	<i>Cdr. C. J. BALFOUR</i>
<i>(with A.S.W.E.)</i>	O/E	<i>Cdr. T. A. BOUSTEAD</i>
<i>Electrical Aspects</i>	L	<i>W. A. CANN, ESQ., R.N.S.S.</i>
<i>Trials</i>	L	<i>Lt. D. A. HOWARD, M.A.</i> <i>Lt. P. R. H. COLLINSON, M.A.,</i> <i>A.M.I.E.E.</i>

Conventional Fire Control

<i>Elec. Assistant to AD/C</i> ..		<i>W. T. EDWARDS, ESQ., A.M.I.E.E.,</i> <i>F.R.A.S.</i>
<i>Mech. Assistant to AD/C</i> ..	O/E	<i>Cdr. P. T. HOATH, M.B.E.,</i> <i>A.M.I.MECH.E.,</i> <i>A.M.I.MAR.E.</i>
<i>Flyplane 3 and 5</i>	O/E	<i>C. W. JEWELL, ESQ., B.E.M.</i>
<i>M.R.S. 3, Radar 903</i>	L	<i>Lt. A. J. STAFFORD</i> <i>Lt.-Cdr. G. E. SHANNON,</i> <i>A.M. BRIT. I.R.E.</i>
<i>M.R.S. 6 and 7, Wind Gear</i> ..		<i>Lt. W. C. T. HUNTER, B.SC.</i>
<i>S.T.A.A.G., C.R.B.F.D.,</i>	O/E	<i>S. C. D. BALL, ESQ.</i>
<i>M.R.S. 8, G.F.C.S. Mk.s,</i>		<i>Lt.-Cdr. R. W. BARRETT</i>
<i>37 and 63</i>		
<i>Gun Direction Systems, Radar and Test Equipment</i>	L	<i>Lt.-Cdr. S. B. SHAW,</i> <i>A.M. BRIT. I.R.E.</i>
<i>Surface Control</i>		<i>A. J. DUDMAN, ESQ., R.N.S.S.</i>

MATERIEL GROUP

<i>Assistant Director (Materiel)</i>	O/E	<i>Capt. D. N. CALLAGHAN,</i> <i>A.M.I.MECH.E.</i>
<i>(AD/M)</i>		
Conventional Gun Mountings		
<i>3 in. and 6 in. Mk. 6 Mountings</i>	O/E	<i>Cdr. A. D. FOULERTON (desig-</i> <i>ated relief -Cdr. R. N. DEVLIN)</i>
	O/E	<i>Lt. J. D. PEAKALL</i>
<i>5.25 in. Mountings and below</i>	O/E	<i>Cdr. A. S. CRAIG</i>
<i>(other than 3 in. Mk. 6)</i>	O/E	<i>Lt. M. G. N. NASH</i>

Training, etc.

<i>Training, Security, Naval Personnel, Shock, Cold, Noise and Protection</i>	O/E	<i>Lt.-Cdr. J. C. M. HOWELL, A.M.I.MECH.E.</i>
<i>Training Equipment Co-ordination, Liaison with Training Schools</i>	O/E	<i>Eng. Lt.-Cdr. A. E. REDDY, M.B.E.</i>

Q Section

<i>Head of Q Section</i> ..	O/E	<i>Cdr. N. W. LEVERETT, D.S.M., N. A. SEYMOUR, ESQ.</i>
<i>Deputy Head of Q</i> ..		
<i>Allocation and Stock Control</i> ..	O/E	<i>Eng. Lt.-Cdr. W. C. COLLINS A. J. E. TURNBULL, ESQ.</i>
	O/E	<i>Eng. Lt. J. E. BOND</i>
	O/E	<i>Eng. S/Lt. W. BLACKETT</i>
	O/E	<i>Eng. S/Lt. R. F. BULLOCK, A.M.I.MAR.E.</i>
		<i>MISS J. E. MAPLES</i>
		<i>D. W. DURRANT, ESQ.</i>
		<i>C. G. J. BRYANT, ESQ.</i>
		<i>MISS E. M. STEPHAN</i>
<i>Naval Arms Export</i> ..	O/E	<i>Lt.-Cdr. A. C. ELLIOTT, M.I.MAR.E.</i>
		<i>J. S. MOORE, ESQ.</i>
<i>As and As</i>	O/E	<i>Eng. Lt.-Cdr. G. C. ROACH</i>
<i>Catalogues, Naval Stores Items and Embodiment Loan</i> ..		<i>E. NEEDHAM, ESQ.</i>
<i>Technical Common Services</i> ..		<i>J. H. VOLLER, ESQ.</i>

POLICY GROUP

<i>Deputy Director (Gunnery) (DD/G)</i>	G	<i>Capt. R. D. RITCHIE, M.V.O.</i>
<i>Magazine Regulations for all Weapons, Replenishment, Accounting, Pyrotechnics and Small Arms</i>	G	<i>Lt.-Cdr. F. C. B. COPLAND-GRIFFITHS</i>
	G	<i>Lt.-Cdr. D. G. THOMAS</i>
Air Weapons Section		
<i>Application</i>	G	<i>Cdr. D. L. COBB</i>
<i>Ship Stowage and Handling, Armament Statements</i>	AV	<i>Lt. D. V. DOWLFY</i>
<i>R.N.A.S. Stowage and Handling, Packaging</i>	AV	<i>Lt. R. W. WILSON</i>
Gunnery Section		
<i>Application</i>	G	<i>Cdr. R. H. WEDDON</i>
<i>Fuzes, Shells</i>		<i>Lt.-Col. C. H. C. MASTERS, R.M.</i>
<i>Ballistics, Propellants</i> ..		<i>Cdr. R. M. DOUGLAS</i>
<i>Gunmountings, Complements, and Ammunition</i>	G	<i>Lt.-Cdr. A. I. D. STEWART</i>
<i>Weapon Schedules</i>	G	<i>Lt.-Cdr. C. P. N. WELLS-COLL</i>
<i>Sea Reports, Liaison with W.S.T.G.</i>	G	<i>Lt.-Cdr. S. R. RAY</i>

DESIGN SERVICES GROUP

<i>Assistant Director (Common Services) (AD/D)</i>	O/E	<i>Capt. R. R. H. BODDY</i>
<i>Assistam to AD/D</i> ..	O/E	<i>Cdr. J. I. FERRIER</i>
<i>R.N.S.S. Matters, Patents and Vote 6 Finance</i>		<i>E. H. LAKEY, ESQ., B.Sc.(ENG.), A.C.G.I., WILSCH. R.N.S.S.</i>
<i>Stabilization and Gyros</i> ..	O/E	<i>Lt.-Cdr. G. A. THWAITES</i> <i>A. ELPHICK, ESQ., B.E.M.</i> <i>H. M. E. BLACKMAN, ESQ.</i>
<i>Drawing and Tracing Offices, Optics</i>		
<i>Auto-Control</i>		<i>F. WICKINS, ESQ.</i>
	O/E	<i>Lt.-Cdr. P. F. MARTIN,</i> <i>A.M.I.MECH.E.</i>
	L	<i>Lt.-Cdr. P. L. PENNINGTON, B.Sc.,</i> <i>A.M.I.E.E.</i>
	L	<i>Lt. C. C. HOLMES, B.A.</i> <i>R. T. HUSSEY, ESQ. (ENG.), B.Sc.</i> <i>A. T. G. COLEBORN, ESQ.</i>
<i>Handling of Ammunition, Bombs and Air-to-Air Guided Missiles</i>		
<i>Weapon Compartment Layouts Standardization</i>		<i>R. HOWELS, ESQ., B.E.M.</i> <i>H. F. McGRATH, ESQ.</i>

PRODUCTION GROUP

<i>Assistant Director (Production) (AD/P)</i>		<i>A. E. BROWN, ESQ., M.B.E.,</i> <i>M.I.MECH.E.</i>
<i>Head of Manufacture Section MRS3. Gun Direction</i> ..		<i>B. B. WYKES, ESQ.</i> <i>R. U. LINSELL, ESQ., A.M.I.E.E.,</i> <i>A.F.R.A.E.S.</i>
<i>Guided Weapons Control</i> ..		<i>J. R. HAWKINS, ESQ., B.Sc.,</i> <i>A.M.I.MECH.E.</i>
<i>Guided Weapon Launchers and Gun Mountings</i>		<i>C. CHILD, ESQ.</i> <i>F. A. STOREY, ESQ.,</i> <i>A.M.I.MECH.E.</i>
<i>Fire Control and Stabilizers</i>		<i>W. SMILIE, ESQ., B.Sc.,</i> <i>A.M.I.MECH.E.</i>
<i>Head of Common Services</i> ..		<i>J. L. WILKS, ESQ.</i>
<i>Production Techniques</i>		<i>J. A. BUBB, ESQ., A.M.I.MECH.E.,</i> <i>C. H. SELWAY, ESQ.,</i> <i>A.M.I.MECH.E.</i>
<i>Inspection</i> ..		<i>H. B. MILPS, ESQ.</i>
<i>Planning, Progress, Costing and Capacity</i>		
<i>Finance and Contracts</i>		<i>E. A. EVENDEN, ESQ.</i> <i>T. RUTHERFORD, ESQ.</i>

GUNNERY BRANCH (Secretariat)

<i>Civil Assistant (C.A.)</i> ..		<i>J. D. HIBBERD, ESQ., D.S.C.</i> <i>G. A. AMBROSE, ESQ.</i>
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UNDERWATER DIVISION

The Underwater Division of the Director-General Weapons Department has taken the place of the old Underwater Weapons Material Department. It retains the duties of the old U.W.M.D., but certain personnel of the old D.E.E. Department directly concerned with the design of T.A.S. equipments have been transferred to D.W.U. to help carry out its function.

The concentration of the T.A.S. Research and Development Establishments at Portland will be complete by the end of 1959. From this date all work on detection and torpedo control equipments will be carried out at the Underwater Detection Establishment (U.D.E.) and all work on weapons at the Underwater Weapons Establishment (U.W.E.). The Admiralty Experimental Diving Unit remains in H.M.S. *Vernon*.

DIRECTOR OF WEAPONS (UNDERWATER DIVISION)

Short Title : D.W.U.

Captain M. R. G. WINGFIELD, D.S.O., D.S.C.*

<i>Deputy Director (Weapons)</i> ..	O/E	<i>Capt.</i> K. M. SYMONDS, D.S.C.*, M.I.MECH.E.
<i>Assistant Director (Planning and Maintenance)</i>	T.A.S.	<i>Capt.</i> R. E. LLOYD, D.S.C.*
<i>Assistant Director (Detection and Control)</i>	L	<i>Capt.</i> R. G. B. O'N. ROE, M.I.E.E.
<i>Assistant Director (Production)</i>		A. W. MILLER, ESQ., M.I.E.E.

WEAPON SECTION

<i>Torpedo Tubes and Loading Gear</i>	O/E	<i>Cdr.</i> R. D. L. CLARKE
<i>Weapon Policy</i>	T.A.S.	<i>Cdr.</i> D. SCOTT, D.S.C.
<i>Ahead Throwing Weapons</i> ..	O/E	<i>Lt.-Cdr.</i> D. E. BATTEN, A.M.I.MECH.E.
<i>Torpedoes</i>	O/E	<i>Lt.-Cdr.</i> J. D. STACEY, A.M.I.MECH.E.
<i>Armament Stores</i>	T	<i>Lt.-Cdr.</i> M. E. LEWIS

DETECTION SECTION

<i>Asdic Sets</i>	L	<i>Cdr.</i> L. P. FRITH, A.M.BRILLI.R.E.
<i>Asdic sets type 170 and later</i>	T.A.S.	<i>Lt.-Cdr.</i> A. J. R. FOSTER, M.B.E., D.S.C.
<i>Hull Outfits</i>	O/E	<i>Lt.-Cdr.</i> N. PRYKE
<i>Old Asdic sets and echo sounders</i>	T.A.S.	<i>Lt.-Cdr.</i> G. H. ANDREWS

TORPEDO CONTROL AND GUIDANCE SECTION

Torpedo Control O/E *Cdr. C. W. MAY*
L *Lt.-Cdr. P. B. AYLING*

ELECTRICAL DESIGN SECTION

Weapon Control L *Cdr. P. V. C. HOWLET, B.Sc.*
(ELECT. ENG.), A.M.I.E.E.
Torpedo Control A. H. SUMMERFIELD, ESQ.

SERVO COMPONENT SECTION

C. G. A. WOODFORD, ESQ.,
A.C.G.I., M.I.E.E.,
A.F.R.A.E.S.

PLANNING AND MAINTENANCE SECTION

General ship questions, foreign sales, etc. T.A.S. *Cdr. R. L. W. LANCASTER*
General Electrics, Noise, Shock, and Dreadnought Liaison L *Cdr. T. ORR*
O/E Questions, Vote 6, I.E.P.s, etc. O/E *Cdr. R. G. BODDIE, A.M.I.MAR.E.*
Q Section O/E *Eng. Lt. F. S. REEVES*
T.C. equipment layouts and communications T.A.S. *Lt.-Cdr. G. A. CAVENDISH*

MINE COUNTERMEASURES, BOMB DISPOSAL AND DIVING SECTION

Future Equipments T.A.S. *Cdr. R. PARKINSON, D.S.C.*
Existing Equipments .. X *Lt.-Cdr. S. J. PARSONS, D.S.C.*
Mine Countermeasures .. L *Lt.-Cdr. C. H. RUMLEY*
Diving O/E *Lt.-Cdr. D. E. BATTEN,*
A.M.I.MECH.E.

PRODUCTION AND FINANCE BRANCH

Manufacture F. W. FORTUNE, ESQ., B.Sc.
Common Services F. G. H. LEWIS, ESQ., A.R.C.S.,
D.I.C., A.I.P.
Detection, Mine Countermeasures and Diving G. N. GOODRIDGE, ESQ.,
A.M.I.E.E.
New Detection Equipments .. J. D. LANGRISH, ESQ., A.M.I.E.E.
Weapons, Torpedo Tubes and Control, Hull Outfits L. SUMNER, ESQ., M.I.MECH.E.
Planning and Finance .. T. P. MAY, ESQ., A.M.I.E.E.
Shiptesting of Asdies .. F. R. AMES, ESQ.
Vote 8H Inspection .. J. E. MORRIS, ESQ., A.M.I.E.E.
Transducer Manufacture .. G. W. DEMPSTER, ESQ.
Standardization R. K. C. STOUGHTON, A.M.I.E.E.

LONDON STAFF

R. and D. T.A.S. *Cdr. A. G. SMALLEY*

DEGAUSSING SECTION

Policy L *Cdr. R. H. FANSHAWE*
Materials and Trials .. L *Cdr. A. J. MACMILLAN*
Inspection L *Lt. H. W. PORTLOCK*