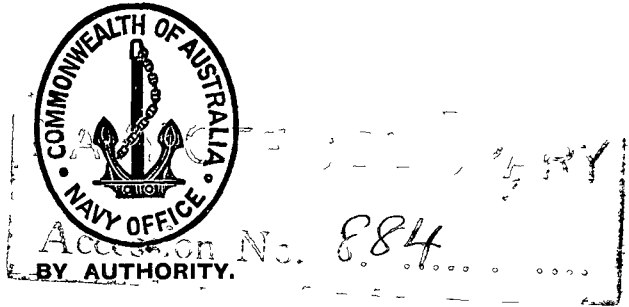


CONFIDENTIAL.



COMMONWEALTH OF AUSTRALIA.



SUPPLEMENT

TO

THE NAVY LIST.

1ST JULY, 1916.

(Corrected to 27th June, 1916.)

(TO BE KEPT UNDER LOCK AND KEY.)

By Authority:

ALBERT J. MULLETT, GOVERNMENT PRINTER, MELBOURNE.

C.8153.



ALPHABETICAL LIST

OF

OFFICERS SERVING IN H.M.A. SHIPS.

Where Serving	Name	Rank	Seniority	Where Serving	Name	Rank	Seniority
3	Adams, Henry J	Car	29 10 03	8	Davis, Norman S	Mtc (E)	1 6 16
2	Agnew, Walter I.	Mid	1 9 14	26	Davis, Gros wolde L O	Clk	15 9 14
9	Allard, Charles	Ch A E	1 10 11	2	Davis, Somerville W	Mid	1 8 14
3	Allen, Hamilton C	Lt Cr	30 9 12	23	Dean, Arnold	S	15 11 15
4	Arkins, Walter R	E Cr	1 7 13			(temp)	
24	Bacon, Charles F	Gr	29 7 09	15	Deane, Ralph H	Lt. Cr	1 4 14
12	Baker, Ernest	A E	25 3 05	3	Dennis, Cleon	E Lt	1 8 13
9	Bartlett, Edward L	S	20 7 15	14	Denson, Horace R	E Cr	14 7 13
2	Bayliss, Horace T T	Mid	1 1 16	4	Denton, Frederick C J	W Sd	1 6 15
4	Bean Algernon C	F S	25 5 13	12	Diaper, George H	Gr	14 8 11
20	Beeston, Samuel L	E Lt	4 3 14	2	Dimsdale, Peter W	Mid	1 1 16
20	Behenna, Edward C	Car	3 6 03	9	Dix, Thomas L	Ch Gr	6 3 16
20	Bell-Salter, Basil O	Lt	31 12 10	14	Dole, Joseph	Ch A E	1 10 14
2	Birch, Rev Francis B C	Ch	25.3 15	13	Doyle, Alec B	E Lt	23 3 13
2	Bleackley, Hubert	E Lt	1 10 09	14	Dunn, Alfred C	C	1 4 16
19	Bloomfield, George W	E Lt	1 1 13	8	Eakin, Robert A	S	6 8 14
12	Bolt, Frederick	Gr (I)	9 5 04	7	Eardley-Wilmot, Frederick N	Lt Cr	31 12 14
24	Bond Arthur G II	Lt Cr	31 12 10	2	Edgar, William H	A E	9 7 14
15	Bowll John S	Lt	30 6 12	4	Edgerton, William S	Hd Schr	1 4 16
4	Bracegirdle, Leighton S	Lt	1 7 11	9	Eldridge, Frank B	N I	1 1 14
7	Brand, James C	E Lt	1 12 11	4	Elgar, George H	E Cr	6 5 13
15	Brett, Herbert V	E S Lt	15 11 15	2	Euman, Charles	Lt	1 4 13
4	Brewis, Charles R W	C	1 4 16	7	Evans, Ernest J	Gr (I)	31 8 05
2	Bridge, Clarence	E Lt	16 4 13	26	Eyre, Reginald F	Lt Cr	31 12 12
14	Bromwich, George H	E Cr	1 1 08	2	Fairhe, William K	Mid	2 8 14
12	Brown, Arthur	Gr	8 4 03	18	Feakes, Henry J	Lt Cr	17 6 14
26	Brown, Leslie S	A P	25 1 07	20	Fitzgerald, Michael	Gr (I)	29 7 03
14	Brown, William H	W W	21 8 14	17	Foley, James B	P Ck	1 3 15
8	Bumpus, Harry A	Ch B	1 5 14	2	Fowler, Lawrence P	E Lt Cr	1 5 15
7	Burrows, William	Lt Cr	30 6 13	9	Franklin, Charles R	S N I	1 1 15
12	Bush, Ernest E	Ch Cr	10 8 15	18	Freyer, Allen	P Ck	1 3 15
4	Cameron, A Scott	Gr (ret)	1 3 10	21	Gannon, Samuel	Car	1 7 11
7	Canning, Henry T	E Cr	1 7 12	13	Gauntlett, John H H	Gr	7 8 10
4	Carlyle, William T	S B	1 4 02	20	Garsta, Rupert C	Lt.	19 10 10
24	Carr, Leopold J P	E S Lt	15 11 15	9	George, David	A E	28 4 15
12	Carr, William J	S	9 12 12	4	George, Frederick W	W Tel	1 11 15
14	Cary, John P	Lt	15 9 14	2	Gibbons, Rev Patrick J	Ch	16 8 12
2	Caw, Alexander R	S S	1 8 12				
9	Chalmers, Rev George	Ch	1 12 15	12	Gloag, Ernest R	Lt Cr	30 5 15
21	Chisholm, William	Gr	16 11 01	20	Glossop John C T	C	22 6 11
23	Coles, Charles H	Gr	19 10 10	24	Goodchild, Herbert W	Lt	1 1 13
21	Collins, Richard W	W Sd	1 11 11	3	Gordon, Richard J	Gr	8 11 09
2	Corigliano, John V	W Mec.	1 1 15	12	Gould Henry J R	A E	1 5 12
2	Crace, John G	Lt	15 9 08	14	Graham John O	Lt Cr	30 10 05
14	Creber, James	Lt	6 4 11	9	Grant, Duncan W	Cr	24 3 14
12	Creer, Herbert V	Lt	1 12 12	14	Grady, James	Lt (ret)	9 12 13
15	Creer, Reginald C	Lt	3 11 12	2	Gregory, William	Gr	29 11 11
4	Cresswell, Frank G	E Lt	1 1 12	21	Gribble, Thomas J	Gr (T)	8 6 11
9	Crow, John	P	1 7 13	2	Guinness, Estace J	Mid	2 8 14
7	Cumberlege, Claude L	C	30 6 15	2	Guppy, Frederick J	Hd Schr	2 3 15
22	Dalglish, Kenneth P	Lt	31 12 10	2	Gush, Alick W	Mid	2 8 14
18	Dalhmore, George A	B	4 1 09	2	Haberfeld, Albert	B	9 9 14
20	Darby, Leonard	S S	1 4 16	14	Haggard, Geoffrey A G	Lt	31 12 10
2	Darley, Frederick C	Lt Cr	15 1 15	11	Halls, Henry E	Gr (T)	1 8 14
4	Davies, Francis J H	W, W	1 1 13				

ALPHABETICAL LIST OF OFFICERS SERVING IN H M A. SHIPS—continued.

Where Serving	Name	Rank	Seniority	Where Serving	Name	Rank	Seniority
19	Hannan, John M	Gr (Act)	14 9 15	19	Mortimer Edward N	Lt	30 12 09
9	Hannay, Keith	N I	1 1 15	18	Mosse-Robinson, Leslie	P	10 4 16
4	Hare, Owen C	Lt Cr	30 7 14	9	H	S N I	1 1 16
9	Hayes, John	Lt	1 5 16	24	Moyes, Morton H	A P	30 6 15
4	Hazel, Percy J	S Pav	24 2 16	20	Munro, Douglas	W Mec	1 4 16
7	Head, Edward F	Car	14 6 04		McClure, John	(prov)	
7	Behr, John	A P	30 6 15		McCutcheon, Alfred	Ch B	1 9 14
14	Henderson, Charles F	C	31 12 06	22	McEwen, Gerald E W	E Lt Cr	1 11 15
18	Henry, Clifford	S	23 6 15	22	McKenzie, Kenneth A	Mid	1 1 16
25	Herbert, Douglas P	E Lt	16 3 13	18	McNeil Percival E	L Lt	14 11 11
13	Hill, Cyril J P	Lt	1 4 13	8	Negus, Robert	A P	20 7 11
22	Hill, Gerald A	Jt	24 5 13	2	Newton, Arthur C	Gr	19 10 10
14	Hoare, Robert R	F P	5 6 15	18	Nixon, Thomas	Lt	25 9 15
	Hodson, Robert	Gr (I)	30 4 15		Norton, Ernest C	St P	12 12 10
15	Hogan, Percy J N	E Lt	12 12 10	2	Ogilvie, David	Gr	1 7 01
	Hogan, Wellington T	A P	1 8 12	4	Owen, John W	E Lt	12 4 94
9	Holiday, Ronald J M,	S N I	22 1 12		Paterson, Haliday G	E Lt	7 6 08
	M A			26	Patey, Sir George E	V A	14 9 14
2	Holmes, Gerald	W Mec	1 1 15	2	Peace, William J	W W	(act tem)
21	Hopkins, Arthur H	Hd Schr	10 6 12	2	Peck, Basil M	A P	6 9 09
2	Hore, Dyson S	Mid	31 7 14	14	Pelham Kent Arthur C	P	6 8 14
12	Howell, Thomas C	Vte (L)	1 4 15	20	Pelly, Dennis E	Mid	1 9 14
4	Hudson, Rev Charles	Ch	1 6 13	21	Phillips, Ernest G	S B	26 6 02
2	Hurd Wood, Norman	Mid	1 9 14	15	Phillips, William T	Ch Gr	1 7 11
	F				Pickett, Albert	Gr	27 9 06
20	Hutchinson, George A	A E	1 12 12	2	Pillans, David C	Lt Cr	1 10 15
4	Ince, Frederick G	Gr	2 7 03	20	Pope, Cuthbert J	Lt Cr	15 2 16
11	Ireland, Oscar A	E Lt	23 3 13	2	Porter, Alfred H	B	3 4 15
12	Jackson, James D	A P	1 9 12	23	Price, Frank E	C W	23 2 16
23	Jackson, John M	Lt Cr	1 4 13	2	Pridcaux, George	W Ar	1 7 11
7	Jarrett, Herbert P	Gr	22 6 15		Quick Harold I,	S Lt	5 2 13
2	Johnson, William C	E Cr	1 4 10	2	Radcliffe, Stephen H	C	31 12 11
8	Jones, Lewis T	Lt Cr	15 12 08	20	Rahilly, Denis E	Lt Cr	30 11 15
7	Kedge, Frederick E	P Clk	1 12 15	15	Ramsay, Hugh M	P	1 7 13
25	Keightley, Stewart	Lt	1 7 09	2	Ramsay-Smith, Vivian	S	10 4 14
4	Kenny, F Hamilton	S	22 8 14	2	Reid, Carl R	A E	1 10 13
20	Kingsford-Smith, Eric	A P	26 8 12	18	Revell, Henry C	A L	10 8 15
3	Knight, Frederick	Gr (I)	26 7 12	12	Rhodes, Ernest C	Lt	30 9 15
24	Lane, Geoffrey, H	A P	30 1 12	9	Riley, Rev Frederick	S N I	1 1 15
3	Langford, George H	Lt	29 12 10	12	Ritche, Alan B	S Lt	15 11 15
4	Lindsay, William	P	7 10 13	23	Roache, Patrick	B	17 11 14
12	Little, Henry A	E Lt Cr	1 8 13	7	Roberts, William E	S	1 1 13
20	Little, Vivian A	Ch	17 12 12	21	Robins, John F	Cr	30 6 10
7	Livingstone, Arthur	A E	1 10 13	2	Robinson, Kenneth M	Mid	2 8 14
21	Lockhart, Moses	B	31 5 06		L		
2	Longstaff, Cuthbert D	Cr	31 12 14	26	Rodham, Cuthbert H	F P	29 11 08
14	Lyne, William	Ch B	1 4 12	9	Rollo, Absalom R	E Cr	1 6 06
2	Macdonald, Allan R A	Lt Cr	30 6 13	2	Rosenthal, Charles B	Mid	28 8 14
4	Macdonald, Henry	W W	4 2 13	2	Ross, Trevor W	E Lt	1 2 13
26	Macdonald Victor R L	P Clk	1 12 15	12	Rowland, Louis C	Lt	1 4 14
21	MacDonnell, Rev George	Ch	29 3 14	2	Russell William J	Mid	1 8 14
	N			7	Ryan, Richard C F	Lt	13 5 12
20	Macfarlane, John C	Mate	1 10 15	20	Salter, George B	Ch Gr	1 12 15
3	Mackean, Arthur J	E Cr	1 7 15	25	Sandys, Frederick P	Gr	1 4 16
2	Mackenzie, Alexander S	S	9 12 12		Scotland, William R	P	1 7 13
12	Mackenzie, Kenneth H	Lt	30 3 10	4	Seton, George W S	Lt Cr	30 3 15
	L			2	Sharp, Alfred L	A P	30 6 15
2	Mackey, Edward C	E S Lt	15 11 15	2	Shearer, George	N I	1 9 15
2	Macleod, James K	E Lt	29 12 15		(temp)		
26	Malden, Charles H	C (R M)	1 1 13	12	Silver, Mortimer L	C	30 6 08
2	Wrett, John R	Mid	1 1 16	15	Sims, Percy W	A E	9 1 07
2	Martin, Alfred H	Ch Car	1 4 14	12	Sinclair, Walter R	E S Lt	6 2 15
20	Martin, Alfred M	B	12 7 12	9	Slater, John C	N I	1 2 16
4	Martin, Frederick	W W	26 8 12	4	Spurgeon, Charles H	C W	1 4 16
2	Mears, Arthur C W	E Lt	2 4 14	24	Stafford, Frank D	E S Lt	6 2 15
15	Melville Anderson, Gus	S	24 4 14	7	Stevens, Charles W	Lt	12 9 10
	tave A			25	Stevens, George A	Gr	1 12 04
20	Molesworth, Eric M	S	6 8 14	2	Stevenson, James D	A S Lt	15 9 11
	(temp)			4	Stevenson, John B	Cr	31 12 10
15	Monteith, William G	Gr	18 3 09	14	Stoker Henry H G D	Lt Cr	31 12 14
12	Moore, George D	Lt	1 3 16	11	Stow, Charles F	Lt Cr	1 4 15
9	Morgan, Charles H	C	30 6 07				
9	Morrison, Leonard N	S N I	1 10 14				

ALPHABETICAL LIST OF OFFICERS SERVING IN H M A. SHIPS—continued.

Where Serving	Name	Rank	Seniority	Where Serving	Name	Rank	Seniority
9	Stuart, Cobham C A	E Lt	1 1 05	2	Wardroper, Richard F	F P	1 10 11
12	Stuart, Shelley B A	P	1 7 13	2	Warner, Oliver C	Lt	31 12 09
7	Stubbs, Rev George	Ch	17 8 15	13	Warren, Wilham H F	Lt Cr	1 12 15
22	Symonds, Samuel R	Gr (T)	1 8 14	14	Watch, Harold V H	E Lt Cr	1 4 11
18	Teale, Herbert H J F	Lt	1 4 09	6	Waugh, Samuel	B	5 8 11
7	Todd, Arthur C R	S	17 8 14	9	Wheatley, Frederick W	S N I	6 2 14
14	Tregillis, Percy W	Gr	29 10 03	15	White, Alexander J	P Clk	1 12 15
7	Trivett, Ernest W	Gr (L)	22 5 04	2	Wilkes, John	Gr (L)	22 3 02
12	Tulloch, Rev Alexander	P	13 10 12	15	Wilkinson, Waldemar B	Lt Cr	9 12 05
9	Varey, Joseph W L	Ch	8 8 12	2	Wilson, George C	Mid	31 7 14
2	Vary, Alfred H	N I	1 2 16	20	Wishart, John Wm	E S Lt	23 6 15
2	Vaughan Williams, Hugh L	A E	1 7 11	9	Wood, James P	E Lt	11 10 15
4	Veerhault, Walter J	Lt	15 2 15	4	Woods, Hamilton	(temp) Gr (L)	13 6 02
4	Walker, John	S B	19 10 10	2	Wynne, Trethowan C T	Mid	1 9 14
2	Walsh, Joseph G	Ch Car	1 7 06	18	Yeo, Samuel T P	Mate	1 8 15
		Cr	30 6 15				

NAVAL RESERVES

Where Serving	Name	Rank	Seniority	Where Serving	Name	Rank	Seniority
11	Baile, Edward A C	S Lt	15 12 15	17	MacKay, James D	W E	24 2 16
8	Bannister Rowe, Charles H	Lt (act)	22 12 15				(temp)
4	Barker, Claude M	S Lt (ret)	6 7 07	15	Marr, James R	S L	1 11 15
4	Bond, Thomas A	Lt	17 8 14	4	Morris, E Walter	S S	1 6 12
12	Brennand, Henry J W	S S	20 5 12	24	Moss, Ben	S L	1 10 12
17	Brown, Clarence K	W E	1 1 16	23	McDonald, Wilham H.	S Lt	15 11 15
4	Buller, Reginald L	Mid	20 8 14	25	McManus, James C B	S L	1 6 16
7	Capstick Dale, J E	Lt (act)	22 10 15	8	Normann, John E R	Lt	22 3 16
14	Coggins Charles H	Lt Cr	23 3 15	2	Owens, John D	S Lt	17 11 14
9	Cotton Stapleton, Campbell P	Lt Cr	13 3 16	17	Patrick, James R	Lt	18 3 13
4	Crossley Joseph	Lt	1 7 13	2	Peal, Charles A	Lt	8 10 09
23	Dowd, Ernest G.	Lt	1 1 11	18	Plater, Frederick C	Lt	21 12 12
4	Evans, Percy	A P (act)	16 3 15	10	Ranken, Francis J	Lt Cr	3 9 05
22	Farmer, Reginald W B	S Lt	15 12 15	4	Read, Clarence H	Lt	1 4 12
7	Fletcher, John	W P (temp)	28 1 10	18	Roid, Charles S	W E	1 2 16
4	Flood Otto B P	S Lt	27 1 04	4	Roskrige Norman G	S Lt	1 6 16
7	Heriot, Francis W	S L	1 4 15	14	Ross, David M	Lt Cr	17 7 13
4	Hicks, Charles W	Mid	1 9 13	4	Shalles, Edward J	W O (act)	7 5 15
17	Hildebrand, Henry P	S Lt	1 11 15	8	Shand A J Loudoun	Lt	1 2 15
21	Hugo, Percy V	Lt	17 10 10	4	Shepherd, Harry F	C W O (act)	7 5 15
24	Hurrey, Herbert G	S	1 7 15	7	Skehan, Augustus J	S L	31 1 15
4	Innes, George	Lt Cr	7 7 13	17	Stapleton, James R D	E Mid	5 8 14
20	Johnstone James M C	S Lt	28 3 13	11	Webb, Charles J R	Lt	19 1 12
13	Knight, Gordon W	S L	1 4 12	23	Whittle, J Service	E Lt (act)	1 2 15
4	Legg, John	S (ret)	19 5 15	18	Wilkinson William B R D	Lt Cr	10 3 16
				20	Williams, George D	Lt	16 1 13



LIST OF SHIPS

OF THE

ROYAL AUSTRALIAN NAVY

WITH THEIR OFFICERS AND DATES OF APPOINTMENT.

1. "ADELAIDE."	<i>Light Cruiser.</i>	5,500 Tons.	S.H.P. 25,000.	
	<i>Building at Commonwealth Dockyard, Sydney.</i>			
2. "AUSTRALIA."	<i>Battle Cruiser.</i>	19,200 Tons.	S.H.P. 44,000.	
	<i>Guns:—8 12-in., 16 4-in., 4 3-pdr.</i>			
<i>Captain</i>	.. ..	Stephen H. Radcliffe	..	21.6.13
<i>Commander</i>	.. ..	Cuthbert D. Longstaff (N)	..	21.6.13
		Joseph G. Walsh	..	21.6.13
<i>Lieutenant-Commander</i>	.. ..	Hamilton C. Allen	..	21.6.13
		Allan R. A. Macdonald	..	21.6.13
<i>Lieutenant</i>	.. ..	Frederick C. Darley (G)	..	21.6.13
		David C. Pillans	..	21.6.13
		John G. Crace (T)	..	21.6.13
		Oliver C. Warner	..	21.6.13
		Charles Euman	..	21.6.13
		Hugh L. Vaughan-Williams	..	1.6.15
<i>Lieutenant R.A.N.R.</i>	.. ..	Charles A. Peal	..	1.9.15
		John D. Owens (<i>Acting</i>)	..	1.6.16
		<i>(In lieu of Sub-Lieutenant)</i>		
<i>Sub-Lieutenant</i>	.. ..	James D. Stevenson (<i>Acting</i>)	..	1.1.16
<i>Engineer Commander</i>	.. ..	W. Crump Johnson	..	21.6.13
<i>Engineer Lieutenant</i>	.. ..	Hubert Bleackley	..	21.6.13
		Trevor W. Ross	..	21.6.13
		Clarence Bridge	..	21.6.13
		Arthur C. W. Mears	..	23.4.15
		James K. Macleod	..	
<i>Engineer Sub-Lieutenant</i>	.. ..	Edward C. Mackey	..	25.1.16
<i>Chaplain</i>	.. ..	Rev. Patrick J. Gibbons, B.Ph.	..	21.6.13
		<i>(For Fleet Duties)</i>		
		Rev. Francis B. C. Birch	..	25.3.15
<i>Naval Instructor</i>	.. ..	George Shearer (<i>temp</i>)	..	1.1.16
<i>Fleet Paymaster</i>	.. ..	Richard E. Wardroper	..	21.6.13
<i>Staff Surgeon</i>	.. ..	Alexander R. Caw	..	21.6.13
<i>Surgeon</i>	.. ..	Alexander S. Mackenzie	..	3.8.14
		Vivian Ramsay-Smith	..	21.5.14
<i>Assistant Paymaster</i>	.. ..	Alfred E. Sharp (<i>Proul.</i>)	..	21.6.13
<i>Chief Boatswain</i>	.. ..	Alfred McCutcheon	..	21.6.13
<i>Chief Carpenter</i>	.. ..	Alfred H. Martin	..	21.6.13
<i>Chief Gunner</i>	.. ..	David Ogilvie (<i>Acting</i>)	..	21.6.13
<i>Gunner</i>	.. ..	John Wilkes (T)	..	21.6.13
		Arthur C. Newton (†)	..	21.6.13
		<i>(For Instructional Duties)</i>		
		William Gregory	..	21.6.13
<i>Boatswain</i>	.. ..	Albert Haberfield	..	—1.16
		<i>(For Director Firing)</i>		
		Alfred H. Porter (<i>Acting</i>)	..	23.11.15
		<i>(For Quarter Deck Duties)</i>		

2. "AUSTRALIA"—*continued.*

<i>Signal Boatswain</i>	Ernest G. Phillips	17.3.14
<i>Artificer-Engineer</i>	Alfred H. Vary	21.4.14
	Carl R. Reid	1.10.13
	William H. Edgar	9.7.14
<i>Warrant Mechanician</i>	<i>Gerald Holmes (Provl.)</i>	1.1.15
	<i>John V. Corigliano (Provl.)</i>	1.1.15
<i>Warrant Armourer</i>	<i>George Prideaux</i>	3.5.15
<i>Head Schoolmaster</i>	Frederick J. Guppy	1.1.16
<i>Warrant Writer</i>	William J. Pearce (<i>Acting</i>)	16.1.16
<i>Midshipman</i>	William K. V. Fairlie	25.1.15
	Kenneth M. L. Robinson	25.1.15
	Alick W. Gush	25.1.15
	Somerville W. Davis	25.1.15
	Dyson S. Hore	25.1.15
	George C. Wilson	25.1.15
	William J. Russell	25.1.15
	Eustace J. Guinness	18.1.15
	Walter L. Agnew	18.1.15
	Norman F. Hurd-Wood	18.1.15
	Denis E. Pelly	18.1.15
	Trethowan C. T. Wynne	18.1.15
	Kenneth A. McKenzie	1.1.16
	Horace T. T. Bayliss	1.1.16
	Peter W. Dimsdale	1.1.16
	John R. de la H. Maret	1.1.16
	Charles B. Rosenthal	28.11.15
<i>Paymaster's Clerk</i>	James B. Foley	28.5.15

Commissioned in the Clyde, 21st June, 1913.

3. "BRISBANE." *Light Cruiser. 5,400 Tons. S.H.P. 25,000.*
Guns:—8 6-in., 4 3-pdrs.

<i>Lieutenant</i>	George F. Langford (x)	11.5.16
	(<i>And for charge of Chart Dépôt, Sydney</i>)	
<i>Engineer Commander</i>	Arthur J. Mackean	16.7.14
<i>Engineer Lieutenant</i>	Cleon Dennis	20.12.15
<i>Gunner</i>	Richard J. Gordon	25.4.16
	Frederick Knight (T)	24.9.15
<i>Carpenter</i>	Henry J. Adams	17.1.14
	Borne in <i>Penguin</i> .	

Building at the Commonwealth Naval Dockyard, Sydney.

4. "CERBERUS." *Twin-screw Iron Armour-plated Turret Ship. 3,480 Tons.*
1,660 H.P.

	<i>Naval Dépôt, Williamstown.</i>	
<i>Commander</i>	John B. Stevenson	18.1.15
<i>Lieutenant-Commander, R.A.N.R.</i>	George Innes	22.12.14
<i>Lieutenant, R.A.N.R.</i>	<i>Joseph Crossley</i>	23.5.16
<i>Sub-Lieutenant, R.A.N.R.</i>	<i>Norman G. Roskruge</i>	13.6.16
<i>Engineer Commander</i>	<i>George H. Elgar</i>	1.7.12
	(<i>For instruction of Engine-room Ratings and supervision of machinery of vessels attached to Naval Dépôt as tenders</i>)	
<i>Engineer Lieutenant-Commander</i>	John W. Owen	1.7.12

4. "CERBERUS"—continued.

Chaplain	Rev. Charles Hudson ..	22.1.15
Staff-Surgeon	F. Hamilton Kenny (<i>Acting</i>) ..	14.3.15
Staff-Paymaster	Percy J. Hazel	1.6.14
Assistant Paymaster, R.A.N.R. ..	Percy Evans (<i>Acting</i>)	16.3.15
Chief Carpenter	John Walker	1.7.12
Gunner	Hamilton Woods (T)	13.9.15
	Frederick G. Ince	10.6.16
Signal Boatswain	William T. Carlyle	4.12.14
	Walter J. Veerhault	11.1.15
Warrant Telegraphist	Frederick W. George (<i>Provl.</i>) ..	1.11.15
Warrant Writer	Frederick Martin	26.8.12
	(<i>For Drafting duties.</i>)	
	Henry Macdonald	19.6.16
Warrant Steward	Frederick C. J. Denton	1.6.15
Head Schoolmaster	William S. Edgerton	1.4.16
Warrant Engineer, R.A.N.R.		

For Duty at Navy Office, Melbourne :—

Captain	Charles R. W. Brewis ..	23.9.14
	(<i>For duty as Transport Officer, Melbourne.</i>)	
Lieutenant-Commander	Owen C. Hare (G)	5.5.16
Engineer Commander	Walter R. Arkins	14.3.13
	(<i>Engineer Overseer for Contract Work.</i>)	
Engineer Lieutenant	Frank G. Cresswell	1.7.12
	(<i>Fleet Wireless Telegraphy Officer.</i>)	
Fleet-Surgeon	Algernon C. Bean	8.6.16
Paymaster	William R. Scotland	10.3.15
	(<i>For Transport duties in Egypt.</i>)	
	William Lindsay	14.7.13
Commissioned Writer	Charles H. Spurgeon	12.8.12
Warrant Writer	Francis J. H. Davies	1.1.13

For Bridging Train :—

Lieutenant-Commander	Leighton S. Bracegirdle (<i>Acting</i>) ..	24.2.15
Lieutenant, R.A.N.R.	Clarence H. Read	6.1.16
	Thomas A. Bond, D.S.C.	24.2.15
Sub-Lieutenant, R.A.N.R.	Otto B. P. Flood	22.5.16
	Claude M. Barker	6.1.16
	Charles W. Hicks (<i>Acting</i>)	22.3.15
	Reginald L. Buller (<i>Acting</i>)	10.5.15
Staff Surgeon, R.A.N.R.	E. Walter Morris	27.4.15
Surgeon (Veterinary), R.A.N.R. ..	John Legg (<i>Temp.</i>)	19.5.15
Chief Warrant Officer	A. Scott Cameron (<i>Acting</i>)	28.4.15
	Harry F. Shepherd (<i>Acting</i>)	7.5.15
Warrant Officer	Edward J. Shalles (<i>Acting</i>)	7.5.15

(Commissioned at Williamstown, 1st July, 1912.)

Tenders :—

"Childers." "Countess of Hopetoun." "Protector."

5. "CHILDERS." 1st Class Torpedo Boat. (Tender to H.M.A.S. "Cerberus.")			
Gunner (in Command)			
6. "COUNTESS OF HOPETOUN." 1st Class Torpedo Boat. (Tender to H.M.A.S. "Cerberus")			
Boatswain (in Command) .. Samuel Waugh			27.11.14
7. "ENCOUNTER." Light Cruiser. 5,880 Tons. I.H.P. 12,500 N.D. (Lent from Royal Navy.)			
<i>Guns:—11 6-in., 8 12-pdrs., 1 3-pdr.</i>			
Captain .. ..	..	Claude L. Cumbelege ..	20.1.16
Commander .. .	..	William Burrows (Acting) ..	1.8.13
Lieutenant-Commander ..	..	Frederick N. Eardley-Wilmot	13.3.13
		(G*)	
Lieutenant .. ..	..	Charles W. Stevens (N) ..	10.5.16
		Richard C. F. Ryan ..	13.6.14
Lieutenant, R.A.N.R. ..	..	Augustus J. Skehan (Acting)	1.7.15
		Francis W. Heriot (Acting) ..	1.7.15
		E. J. Capstick Dale (Acting)	1.12.15
Engineer Commander ..	..	Henry T. Canning ..	1.7.12
Engineer Lieutenant-Commander ..	..	James C. Brand (Acting) ..	21.4.14
Chaplain .. ..	..	Rev. George Stubbs ..	2.9.15
Surgeon .. ..	..	William E. Roberts, M.R.C.S.,	1.2.14
		L.R.C.P.	
Paymaster .. ..	..	Ernest W. Trivett ..	28.10.14
Assistant Paymaster .. ..	..	John Hehir (Provisional) ..	19.7.15
Gunner .. ..	..	Percy W. Tregillis ..	4.11.12
		Ernest J. Evans (T) ..	30.6.13
		Herbert P. Jarrett (Acting) ..	—.10.15
Carpenter .. ..	..	Edward F. Head ..	1.7.12
Artificer-Engineer .. ..	..	Arthur Livingstone ..	15.11.13
Warrant Engineer, R.A.N.R. ..	..	John Fletcher (temp.) ..	8.3.16
Paymaster's Clerk .. ..	..	Frederick E. Kedge ..	4.6.16
(Commissioned at Sydney, 1st July, 1912.)			

8. "FANTOME." Sloop. 1,070 Tons. I.H.P. 1,400 N.D.

Guns :—2 4-in., 4 12-pdrs.

(Lent from Royal Navy.)

Commander	..	..	Lewis T. Jones (<i>Acting</i>)	..	27.7.15
Lieutenant, R.A.N.R.	..	..	Alexander J. Loudoun-Shand	..	27.7.15
			John E. R. Normann (N)	..	27.7.15
			Charles H. Bannister-Rowe		
			(<i>Acting</i>)		
Mate (E)	..	..	Norman S. Davies (<i>Acting</i>)	..	1.6.16
Surgeon	..	..	Robt. A. Eakin, M.B., Ch.B.	..	14.8.15
Assistant Paymaster-in-Charge	..	..	Robert Negus	..	27.7.15
Chief Boatswain	..	..	Harry A. Bumpus	..	27.7.15

(Commissioned at Sydney, 27th July, 1915.)

9. "FRANKLIN" (late "ADELE"). Yacht. 288 Tons. N.H.P. 68.

Tender to Royal Australian Naval College.

Lieutenant in Command	John Hayes	..	17.12.15
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(Commissioned at Sydney, 14th September, 1915.)

For Duty at Royal Australian Naval College, Jervis Bay :—
Naval Staff.

Captain	..	..	Charles H. Morgan	..	17.6.15
Commander	..	..	Duncan Grant	..	1.4.12
Lieutenant-Commander	..	..	George W. S. Seton	..	25.1.15
Lieutenant-Commander, R.A.N.R.	..	..	Campbell P. Cotton Stapleton	..	25.1.15
Engineer Commander	..	..	Absolom R. Rolle	..	3.6.16
Engineer Lieutenant	..	..	Cobham C. A. Stuart	..	8.9.15
			James P. Wood (<i>Acting</i>)	..	11.10.15
Paymaster	..	..	John Crow	..	18.1.15
Chaplain	..	..	Rev. George Chalmers	..	1.12.15
Surgeon	..	..	Edward L. Bartlett	..	20.7.15
Chief Gunner	..	..	Thomas L. Dix	..	1.1.15
Chief Artificer-Engineer	..	..	Charles Allard (<i>Barrack-</i> <i>master</i>)	..	17.2.16
Artificer-Engineer	..	..	David George	..	15.1.16
			Professorial Staff.		
Senior Naval Instructor	..	..	Ronald J. M. Holiday, M.A.	..	—7.16
			Frederick W. Wheatley, B.Sc.	..	6.2.14
			(Oxon), B.A., D.Sc. (Ade- laide)		
			Leonard N. Morrison, M.A.	..	1.10.14
			Rev. Frederick Riley, M.A.	..	15.3.15
			Charles R. Franklin, M.A.	..	11.1.15
			(Cantab)		
			Morton H. Moyes, B.Sc.	..	23.2.14
Naval Instructor	..	..	Frank B. Eldridge, B.A.	..	1.1.14
			Keith Hannay, B.A. (Syd.)	..	1.2.15
			Joseph W. L. Varey	..	1.2.16
			John C. Slater	..	1.2.16

- 10 "GAYUNDAH." *Gunboat. 360 Tons. I.H.P. 400.*
Guns:—1 4·7-in., 2 12-pdrs.
Tender to Tingira.
Lieutenant-Commander, R.A.N.R. FRANCIS J. Rankin (Ret.) .. 15.4.16
Borne in Tingira
11. "HUON." *Torpedo Boat Destroyer. 700 Tons. S.H.P. 10,600.*
Guns:—1 4-in., 3 12-pdrs.
Tender to Warrego.
Lieutenant-Commander Charles F. Stow 14.12.15
Lieutenant, R.A.N.R. Charles J. R. Webb 14.12.15
Edward A. C. Bailie (Acting) 26.1.16
Engineer Lieutenant Oscar A. Ireland 14.12.15
Gunner Henry E. Halls (r) 13.3.16
Borne in "Penguin"
Commissioned at Sydney, 14th December, 1915.
12. "MELBOURNE." *Light Cruiser. 5,400 Tons. S.H.P. 25,000.*
Guns:—8 6-in., 4 3-pdrs.
Captain Mortimer L'E. Silver 18.1.13
Lieutenant-Commander Ernest R. Gloag (g) 18.1.13
Lieutenant Kenneth H. L. Mackenzie (N) 23.3.16
Herbert V. Creer 2.8.14
Louis C. Rowland 27.1.13
Ernest C. Rhodes 4.11.15
George D. Moore 16.3.16
Sub-Lieutenant Alan B. Ritchie 24.3.16
Engineer Lieutenant-Commander Henry A. Little 18.1.15
Engineer Sub-Lieutenant Walter R. Sinclair 22.4.15
Mate (E) Thomas C. Howell 26.1.16
Chaplain Rev. Alexander Tulloh, M.A. 18.1.13
Staff Surgeon, R.A.N.R. Henry J. W. Brennand 2.8.14
Surgeon William J. Carr, B.A. 18.1.13
Paymaster Shelley B. A. Stuart 18.1.13
Assistant Paymaster James D. Jackson —.3.16
Chief Carpenter Ernest E. Bush 18.1.13
Gunner Arthur Brown 18.1.13
Frederick Bolt (r) 22.10.14
George H. Diaper 18.1.13
(For Instructional Duties.)
Artificer-Engineer Ernest Baker 18.1.13
Henry J. R. Gould 18.1.13
(Commissioned in England, 18th January, 1913.)

13. "PARRAMATTA." *Torpedo Boat Destroyer.* 700 Tons. S.H.P. 10,600.

Guns:—1 4-in., 3 12-pdrs.

(Tender to H.M.A.S. "Warrego.")

<i>Lieutenant Commander</i>	William H. F. Warren ..	16.4.14
<i>Lieutenant</i>	Cyril J. P. Hill ..	16.4.14
<i>Lieutenant, R.A.N.R.</i>	Gordon W. Knight (<i>Acting</i>) ..	18.10.15
<i>Engineer Lieutenant</i>	Alec B. Doyle ..	16.4.14
<i>Gunner</i>	John H. H. Gauntlett ..	5.2.15

(Recommissioned at Williamstown, 16th April, 1914.)

14. "PENGUIN." *Late Surveying Vessel.* 1,130 Tons. Sydney.*Depôt and Receiving Ship.*

<i>Captain</i>	Charles F. Henderson ..	1.12.15
	(<i>Commodore of the 2nd Class.</i>)	
<i>Secretary</i>	Basil M. Peck (r) ..	1.12.15
<i>Captain</i>	Alfred C. Dunn ..	8.8.14
	(<i>For duty as Transport Officer at Sydney.</i>)	
<i>Lieutenant-Commander</i>	John O. Graham ..	1.7.13
<i>Lieutenant-Commander, R.A.N.R.</i>	David McD. Ross ..	25.8.14
	Charles H. Coggins ..	1.5.16
	(<i>For Special Service.</i>)	
<i>Lieutenant</i>	James Creber ..	1.7.13
<i>Engineer Captain</i>	George H. Bromwich, D.S.O. ..	1.7.13
	(<i>Acting</i>)	
<i>Engineer Commander</i>	Horace R. Denson ..	1.7.13
<i>Engineer Lieutenant-Commander</i>	Harold V. H. Watch ..	2.8.15
<i>Fleet Paymaster</i>	Robert R. Hoare ..	1.7.13
<i>Chief Boatswain</i>	William Lyne ..	3.7.13
<i>Chief Artificer Engineer</i>	Joseph Dole ..	21.1.16
<i>Gunner</i>	William Trevasisk (T) ..	3.7.13
<i>Warrant Writer</i>	William H. Brown ..	21.8.14

Prisoners of war (late Submarine A.E. 2):—

<i>Lieutenant-Commander</i>	Henry H. G. Stoker ..	28.2.14
<i>Lieutenant</i>	Geoffrey A. G. Haggard ..	28.2.14
	John P. Cary ..	2.2.15

The following is borne additional for Pacific Expeditionary Force:—

<i>Lieutenant (Retired)</i>	James Greedy ..	6.8.15
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(Recommissioned at Sydney, 1st July, 1913.)

15. "PIONEER." *Light Cruiser.* 2,200 Tons. I.H.P. 5,000 N.D. (9,000 F.D.)
Guns:—8 4-in., 8 3-pdrs.

Commander	Waldemar B. Wilkinson ..	17.5.16
	(Acting)	
Lieutenant-Commander	Ralph H. Deane	2.8.14
Lieutenant	John S. Bovill (G*)	2.8.14
	Reginald C. Creer (S)	1.1.14
Lieutenant, R.A.N.R.	James R. Marr (Acting)	19.1.16
Engineer Lieutenant-Commander	Percy J. N. Hogan (Acting)	3.11.13
Engineer Sub-Lieutenant	Herbert V. Brett	19.1.16
Paymaster	Hugh M. Ramsay	1.7.14
Surgeon	G. A. Melville-Anderson	30.5.14
Chief Artificer-Engineer	Percy W. Sims (Acting)	5.8.14
Gunner	Albert Pickett	14.5.14
	William G. Monteith	10.3.14
Paymaster's Clerk	Alexander J. White	19.1.16

(Recommissioned at Sydney, 1st January, 1914.)

16. "PLATYPUS." *Submarine Depot Ship.* 3,100 Tons. H.P.
(Building at the works of Messrs. John Brown and Co., Clydebank.)

17. "PROTECTOR." *Gunboat.* 920 Tons. I.H.P. 1,641.

Guns:—3 4-in., 2 12-pdrs., 4 3-pdrs.

Tender to Gunnery School, Williamstown.

Lieutenant, R.A.N.R., in Command	James R. Patrick	10.6.16
Lieutenant, R.A.N.R.	Henry P. Hildebrand (Acting)	10.6.16
Gunner	Michael FitzGerald (T)	10.6.16
Warrant Engineer, R.A.N.R.	Clarence K. Brown	10.6.16
	James D. McKay (Acting)	24.2.16
Engineer Midshipman, R.A.N.R.	James R. D. Stapleton	10.6.16

(Commissioned at Williamstown, 24th February, 1916.)

18. "PSYCHE." *Light Cruiser.* 2,135 Tons. I.H.P. 5,000 N.D. (7,000 F.D.)

Guns:—6 4-in., 8 3-pdr.

(Lent from Royal Navy.)

Commander	Henry J. Foakes (Acting)	1.7.15
Lieutenant-Commander, R.A.N.R.	William B. Wilkinson (S), R.D.	1.7.15
Lieutenant	Herbert H. J. F. Teale	1.7.15
	Thomas Nixon (Prov.)	1.10.15
Lieutenant, R.A.N.R.	Frederick C. Plater (G.)	1.7.15
Mate	Samuel T. P. Yeo (Acting)	1.10.15
Engineer Lieutenant-Commander	Percival E. McNeil (Acting)	—7.16
Surgeon	Clifford Henry, M.B., Ch.M.	1.7.15
Paymaster	Leslie H. Mosse-Robinson	—6.16
Boatswain	George A. Dallimore	1.7.15
Artificer Engineer	Henry C. Revell (Acting)	1.12.15
Warrant Engineer, R.A.N.R.	Charles S. Reid	1.4.16
Paymaster's Clerk	Allen Freyer	1.7.15

(Commissioned at Sydney, 1st July, 1915.)

19. "SWAN." *Torpedo Boat Destroyer.* 700 Tons. S.H.P. 10,600.

Guns :—1 4-in., 3 12-pdrs.

<i>Lieutenant in Command</i>	..	Edward N. Mortimer	..	—7.16
<i>Engineer Lieutenant</i>	..	George W. Bloomfield	..	1.6.16
<i>Gunner</i>	..	John M. Hannan	..	1.7.16
<i>Borne in Penguin</i>				

(Building at the Commonwealth Naval Dockyard, Sydney.)

20. "SYDNEY." *Light Cruiser.* 5,400 Tons. S.H.P. 25,000.

Guns :—8 6-in., 4 3-pdrs.

<i>Captain</i>	..	John C. T. Glossop, C.B.	..	26.6.13
<i>Commander</i>	..	John F. Finlayson	..	26.6.13
<i>Lieutenant-Commander</i>	..	Denis E. Rahilly (G)	..	26.6.13
		Cuthbert J. Pope (N)	..	24.10.14
<i>Lieutenant</i>	..	Rupert C. Garsia	..	13.9.14
		Basil O. Bell-Salter	..	26.6.13
<i>Lieutenant, R.A.N.R.</i>	..	George D. Williams	..	23.12.15
		James M. C. Johnstone (<i>Acting</i>)	..	26.6.13
<i>Mate</i>	..	John C. Macfarlane (<i>Acting</i>)	..	1.11.15
<i>Engineer Lieutenant-Commander</i>	..	Lawrence P. Fowler	..	26.6.13
<i>Engineer Lieutenant</i>	..	Samuel L. Beeston	..	—2.16
<i>Engineer Sub-Lieutenant</i>	..	John W. Wishart	..	23.11.15
<i>Staff Surgeon</i>	..	Leonard Darby, M.B., Ch.B.	..	26.6.13
		(<i>Prov.</i>)		
<i>Surgeon</i>	..	Eric M. Molesworth	..	1.6.16
<i>Chaplain</i>	..	Rev. Vivian A. Little, M.A.	..	26.6.13
<i>Paymaster</i>	..	A. C. Pelham-Kent	..	11.6.16
<i>Assistant Paymaster</i>	..	Eric Kingsford-Smith	..	23.5.14
<i>Chief Gunner</i>	..	George B. Salter	..	26.6.13
<i>Boatswain</i>	..	Alfred M. Martin (Q.D.D.)	..	26.6.13
<i>Carpenter</i>	..	Edward C. Behenna	..	26.6.13
<i>Artificer-Engineer</i>	..	George A. Hutchison	..	26.6.13
<i>Warrant Mechanician</i>	..	John McClure (<i>Acting</i>)	..	1.4.16

(Commissioned in the Clyde, 26th June, 1913.)

21. "TINGIRA." *Boys' Training Ship.* 1,800 Tons.

Sydney.

<i>Commander</i>	..	John F. Robins	..	29.9.14
<i>Lieutenant, R.A.N.R.</i>	..	Percy V. Hugo	..	7.9.15
<i>Chaplain</i>	..	Rev. George N. MacDonnell,	..	20.3.14
		B.D.		
<i>Paymaster</i>	..			
<i>Chief Gunner</i>	..	William T. Phillips	..	20.9.15
		William Chisholm (<i>Acting</i>)	..	25.4.12
<i>Gunner</i>	..	Thomas J. Gribble (T)	..	27.3.16
<i>Boatswain</i>	..	Moses Lockhart	..	25.4.12
<i>Carpenter</i>	..	Samuel Gammon	..	25.4.12
<i>Head Schoolmaster</i>	..	Arthur H. Hopkins	..	10.6.12
<i>Warrant Steward</i>	..	Richard W. Collins	..	25.4.12

(Commissioned at Sydney, 25th April, 1912.)

22. "TORRENS." *Torpedo Boat Destroyer.* 700 Tons. S.H.P. 10,600.

Guns :—1 4-in., 3 12-pdrs.

(Tender to "Warrego.")

<i>Lieutenant in Command</i> ..	Kenneth P. Dalglish ..	3.7.16
<i>Lieutenant</i> ..	Gerald A. Hill ..	3.7.16
<i>Lieutenant, R.A.N.R.</i> ..	Reginald W. B. Farmer ..	3.7.16
	(Acting)	
<i>Engineer Lieutenant-Commander</i> ..	Gerald E. W. McEwen ..	3.7.16
<i>Gunner</i> ..	Samuel R. Symonds (τ) ..	3.7.16
	<i>Borne in Warrego</i>	

*Will be commissioned at Sydney 3rd July, 1916*23. "UNA" (*Late Komet*). *Gunboat.* 980 Tons. H.P. 1,350.

Guns :—4 4-in.

<i>Commander</i> ..	John M. Jackson (<i>Acting</i>) ..	17.11.14
<i>Lieutenant, R.A.N.R.</i> ..	Ernest G. Dowd ..	10.4.16
	William H. McDonald ..	29.4.16
	(Acting)	
<i>Engineer Lieutenant, R.A.N.R.</i> ..	J. Servise Whittle (<i>Acting</i>) ..	1.2.15
<i>Surgeon</i> ..	Arnold Dean, M.B. ..	15.11.15
<i>Commissioned Writer in Charge</i> ..	Frank E. Price ..	23.2.16
<i>Gunner</i> ..	Charles H. Coles ..	—, 11.15
<i>Boatswain</i> ..	Patrick Roache ..	17.11.14

*(Commissioned at Sydney, 17th November, 1914.)*24. "WARREGO." *Torpedo Boat Destroyer.* 700 Tons. S.H.P. 10,600.

Guns :—1 4-in., 3 12-pdrs.

<i>Commander</i> ..	Arthur G. H. Bond (<i>Acting</i>) ..	1.4.16
	(<i>And for command of Flotilla</i>)	
<i>Lieutenant</i> ..	Herbert W. Goodchild ..	22.4.13
	<i>Ben Moss (Acting)</i> ..	22.3.15
<i>Engineer Lieutenant</i> ..	Frank D. Stafford ..	..
<i>Engineer Sub-Lieutenant</i> ..	Leopold J. P. Carr (<i>temp</i>) ..	—, 7.16
<i>Gunner</i> ..	Charles F. Bacon ..	13.1.13

The following are borne for Flotilla duties:—

<i>Surgeon, R.A.N.R.</i> ..	Herbert G. Hurrey, M.B., B.S. ..	1.4.16
<i>Assistant Paymaster in Charge</i> ..	Geoffrey H. Lane ..	1.4.16
<i>Assistant Paymaster</i> ..	Douglas Munro ..	1.6.16

*Tenders :—Huon, Parramatta, Torrens, Yarra.**(Commissioned at Sydney, 1st June, 1912.)*25. "YARRA." *Torpedo Boat Destroyer.* 700 Tons. S.H.P. 10,600.

Guns :—1 4-in., 3 12-pdr.

(Tender to H.M.A.S. "Warrego.")

<i>Lieutenant-Commander</i> ..	Stewart Keightley (<i>Acting</i>) ..	1.1.13
<i>Lieutenant, R.A.N.R.</i> ..	James C. B. McManus (<i>Acting</i>) ..	18.10.15
<i>Engineer Lieutenant</i> ..	Douglas P. Herbert ..	26.6.16
<i>Gunner</i> ..	George A. Stevens ..	23.4.13
	<i>Frederick R. Sandys (Acting)</i> ..	3.7.16

(Commissioned in the Clyde, 8th September, 1910.)

26. H.M.S. "LEVIATHAN." *Armoured Cruiser. 14,100 Tons. I.H.P. 30,000 N.D.*
(*Flagship of Commander-in-Chief, West Indies.*)

Vice-Admiral	Sir George E. Patey, K.C.V.O.	8.3.15
	K.C.M.G.	
Secretary	Cuthbert H. Rodham ..	8.3.15
Flag-Lieutenant Commander ..	Reginald F. Eyre (s) ..	8.3.15
Captain R. M.	Charles H. Malden ..	8.3.15
	(<i>For W/T duties.</i>)	
Clerk to Secretary	Leslie S. Brown ..	8.3.15
	Greswolde L. O. Davis ..	
	Victor R. L. Macdonald .	25.1.16

FLEET AUXILIARIES.

27. "ESTURIA." *Oil Supply Ship for T.B.D's.*

Master Leonard Jones.

28. "KURUMBA." *Oil Supply Ship.*

Building at the works of Messrs. Swan, Hunter, and Wigham Richardson, Limited, Wallsend on Tyne.

