

GR/VR

NS.4100-381 Vol.1.
"Pers(N)" "X"

17-8-45
21st July, 1945.

NO 3042.

MEMORANDUM:

Attached herewith is the Authorized
Complement for River Class Frigates for duty in
the Pacific.

BY ORDER,

AS

SECRETARY, NAVAL BOARD.

LETTER dispatched by
PERSONNEL NAVAL

JUL 23 1945

Commander-in-Chief,
Canadian Northwest Atlantic.
Secretary,
Canadian Naval Mission Overseas.
Commanding Officer,
Pacific Coast.
Captain "D" Halifax, N.S.
Commanding Officer,
H.M.C.S. "NIOBE".
R.C.N. Depot,
H.M.C.S. "PEREGRINE",
Halifax, N.S.
R.C.N. Sub-Depot,
Esquimalt, B.C.

Total Ratings

131

Included in the foregoing are the following
non-substantive rates:

L.R. 3
Q.R. 1
Q.R. 2
Q.R. 3
A.A. 1
A.A. 3
Q.O.
T.O.
L.T.O.
S.T.

4
1
2
3
1
4
2
1
2
6

Authorized Complement

River Class Frigates

Officers

Commander or Lieut-Cdr.
Lieutenant
S/Lieut. or Mate
Lieutenant (E)
Lieutenant (S)

Total Officers

1
4
2
1
1

9

Ratings

C.P.O.
P.O.
Ldg. Smm.
A.B., Ord. Smm.
Yeoman of Sigs.
Signalman
Ldg. Coder
Coder
P.O. Tel.
Telegraphist
Ldg. Tel. (SO)
Tel. (SO)
Ch. E.R.A., Ch. E.R.A. (M)
E.R.A. or Mechanician
Ldg. Stoker (M)
Chief Stoker
Stoker P.O.
Ldg. Stoker
Stoker
Shipwright, Joiner
O.A.
E.A.
R.A.
Ldg. S.B.A.
Ldg. Writer
Stores P.O.
Ldg. S.A.
S.A.
Ldg. Cook (S)
Cook (S)
Ldg. Steward
Steward

1
3
4
54
1
4
1
2
1
6
1
2
1
4
1
1
6
6
16
1
1
1
1
1
1
1
1
1
1
3
1
2

Total Ratings

131

Included in the foregoing are the following
non-substantive rates:

L.R. 3
Q.R. 1
Q.R. 2
Q.R. 3
A.A. 1
A.A. 3
Q.O.
T.C.
L.T.O.
S.T.

4
1
2
3
1
4
2
1
2
6

H.S.D.	1
S.D.	6
R.P. 2	3
R.P. 3	5
R.C. 3	1
V/S 2	1
W/T 2	1
W/T 3 (SO)	1
E.O.W.	1
Butcher	1
Barber	1

Total

48

Note 1 Twin Mk. V. Bofors and simple Tachymetric Director in lieu of 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Add: A.B., Ord. Smn.	4	Add: A.A. 2	1
		A.A. 3	4
		L.T.O. (LP)	1
		Delete: Q.R. 2	1
		L.R. 3	2
		L.T.O.	1

Note 2 Twin Mk. V. Bofors only in lieu of 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Add: A.B., Ord. Smn.	2	Add: A.A. 3	3
		Delete: Q.R. 2	1
		L.R. 3	2

Note 3 If 4" Mk. XIX on XXIII is fitted aft in lieu of 12 pdr:

Substantive Complement
Add: A.B., Ord. Smn. 1

Note 4 When replacing 4" Mk. XIX on XXIII aft by Twin Mk. V. Bofors Notes 1 and 2 above apply except that substantive increases are to be 3 A.B., Ord. Smn. and 1 A.B., Ord. Smn. respectively.

Note 5 When a bridge unit is fitted:

Substantive Complement
Add: A.B., Ord. Smn. 1

Note 6 One Surgeon Lieutenant allowed in every 5th Ship. When Medical Officer is carried delete one Ldg. S.B.A. and add one S.B.A.

Note 7 One Commander allowed in every 5th Ship.

Note 8 One Electrical Lieutenant is to be borne additional per group.

Note 9 When a "Boffin" mounting is fitted in lieu of 4 inch or 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Delete: A.B., Ord. Smn.	2	Add: A.A. 3	1

Note 9 (Cont'd)

Non-Substantive Complement

Delete:	Q.R.	2	1
	L.R.	3	2

Note 10 If Senior Ship of group:

Add: 1 Senior Officer
2 Specialist Officers, one of whom is to be
accommodated in Senior Ship.
1 Steward
1 Ldg. Tel. - W/T 3
1 Ldg. Sig. - V/S 3
1 Signaller
1 Coder

NAVAL SERVICE

GWT/Y

N.S. 4100-381 Vol.1.
(Staff)

MEMORANDUM TO D/MANNING

Attached is the proposed complement for River Class Frigates and Castle Class Corvettes to be employed on Coastal Patrol on either East or West Coast.

2. Radar complement has been amended to allow for 2 additional RP 3's.

Robert R. Lundy
(D.L. Raymond)
A/Captain, R.C.N.,

DIRECTOR OF WARFARE AND TRAINING.

OTTAWA,

17 August, 1945.

2-10.

057

RAM/BEC

NAVAL SERVICE MINUTE SHEET

FILE NO. NS 4100-381 Vol. 1
NS 4100-333 FD 4629
(Staff)

LETTER NO.

REFERRED TO

REMARKS (WITH INITIALS AND DATE)

D. W. T.

Regarding your proposed complement,
two folios down, a revised Radar Operator
complement is suggested as follows:-

D. Manning

RP 2 1
RP 3 5

2. As the Radar will be required at night
and in low visibility, (a large proportion of the
time in coastal waters), three watches must
be provided.

3. Reference C.A.F.O. 1815/42, paragraph
1 (d) and C.A.F.O. 761/43, two operators must
be provided for each watch. These are to
alternate duties each half hour to minimize
eye-strain.

Lawsick

(G. A. Worth)
A/Captain, R.C.N.
DIRECTOR of SIGNAL DIVISION.

8th August, 1945.

Re 247
S.D.

- Naval Service -

191591

1902847

Memorandum to Director of Manning:
D. W. T.;

The present complement of Frigates proceeding to the Pacific does not allow for refrigeration E.R.A.

It is requested that the complement be amended to allow for this extra Engine Room Artificer for Refrigeration duties.

W. W. Porteous.

(W.W. Porteous)
Captain (E), R.C.N.,
Director of Engineering Personnel.

Ottawa, 6th August, 1945.

CONFIDENTIAL

(NAVAL SERVICE)

FROM: Captain (D) Halifax.

DATE: 3rd August, 1945.

FILE: D. 20-32-15

TO: Commander-in-Chief,
Canadian Northwest Atlantic,
H.M.C.S. "STADACONA".

COPY: Commanding Officer,
H.M.C.S. "SOMERS ISLES".

H.M.C. FRIGATES PROCEEDING TO THE PACIFIC THEATRE

The attached proposed nominal list of Commanding Officers of H.M.C. Frigates which will be proceeding to the Pacific Theatre is submitted with reference to Naval Service Headquarters' N.S. 4100-381 Vol. 1, "Pers (N)" "X" of 21st July, 1945 and Commander-in-Chief, British Pacific Fleet's 150745Z, June.

2. Careful consideration has been given to the question of Senior Officers of the groups, and the following promotions and appointments are strongly recommended:

Lieutenant Commander H.L. Quinn RCNVR
Lieutenant Commander J.S. Davis RCNVR

To be promoted to Acting Commander whilst holding the appointment of Senior Officer of a group, both Officers to remain in their present ships.

Acting Commander L.P. Denny, RCNR, to H.M.C.S.
"INCH ARRAN" in command, vice Acting Lieutenant
Commander G.C.K. Holder, RCNVR.

Acting Lieutenant Commander G.C.K. Holder to H.M.C.S.
"ANTIGONISH" in command, vice Denny.

Acting Commander B.D.L. Johnson, RCNR to H.M.C.S.
"GROU" in command.

Acting Commander W.E.S. Briggs, RCNR to remain in
command of H.M.C.S. "NEW WATERFORD".

Acting Commander W.C. Halliday, RCNR to remain in
command of H.M.C.S. "CHARLOTTETOWN".

3. The above will provide for six Commanders to act as Senior Officers in the first thirty-two ships proceeding to the Eastern Theatre. A Senior Officer of the remaining six ships can be considered at a later date.

4. Provided completion dates are maintained, it will be possible for a Commander to sail to Bermuda in approximately every sixth ship, and with reference to Naval Service Headquarters' 241921Z, it is considered desirable that ships be allocated to groups at the earliest possible date, in order that Senior Officers may become familiar with their groups. They would also have a first hand knowledge of the general state of efficiency and training in the ships before they arrive in Bermuda.

SHIP	RCN DEPOT'S MANNING DATE RCN DEPOT'S 111752Z.	VOLUNTEERS RETURNED AFTER 58 DAYS LEAVE	COMPLETION DATE	COMMANDING OFFICER	RANK	SENIORITY	REMARKS
ORKNEY				W.E. Harrison	A/Lt. Cdr. RCNR	29-5-40	
ROYALMOUNT				J.S. Davis	Lt. Cdr. RCNVR	1-7-44	
LA HULLOISE				W.D.H. Gardiner	Lt. RCNVR	1-1-41	
ST. JOHN				J.A.R. Allan	A/Lt. Cdr. RCNVR	20-9-40	
CAP DE LA MADELEINE				R.A. Judges	Lt. Cdr. RCNVR	1-7-44	
ST. CATHERINES				L.C. Audette	Lt. Cdr. RCNVR	1-1-45	
NEW WATERFORD				W.E.S. Briggs	A/Cdr. RCNR	1-7-42	
OUTREMONT				F.O. Gerity	Lt. Cdr. RCNR	1-1-44	
STORMONT				G.A. Myra	A/Lt. Cdr. RCNR	1-7-40	
CHARLOTTETOWN				W.C. Halliday	A/Cdr. RCNR	1-1-43	
ANTIGONISH				G.C.K. Holder	A/Lt. Cdr. RCNVR	26-11-39.	
KIRKLAND LAKE							
LANARK							
STONETOWN				D.E. Ryerson	A/Lt. Cdr. RCNVR	1-5-40	
STETTLER				D.G. King.	Lt. Cdr. RCNVR	1-1-45	

NAVAL SERVICE

NS.4100-381 Vol.1 (Staff)

GWT/NH

MEMORANDUM TO: ~~D.E.P.~~
~~D.S.D.~~
~~D.F.A.S.S.~~

2. 6/iii

Attached is the proposed reduced complement for River Class Frigates to be employed on coastal patrol *on either east or west coast.*

2.

Remarks or concurrence please.

D.L. Raymond.

(D.L. Raymond),
A/Captain, R.C.N.,
DIRECTOR OF WARFARE & TRAINING.

10/4 3/17

31st July, 1945,
OTTAWA.

Concur for DFAS.

2. MOCASS/6/viii.

C.P.O. Cook (S)				Motion Pict.O.			
P.O. Cook (S)							
Ldg. Cook (S)	1						
Cook (S) Prob. Cook (S)	2			<u>OFFICERS</u>			
C.P.C. Steward				Lieut/CDR.	1		
P.O. Steward				Lieut.	3		
Ldg. Steward	1			Sub/Lieut.	1		
Steward	2			Lieut. (E)	1		
C.P.O. Cook (O)							
P.O. Cook (O)					6		
Ldg. Cook (O)							
Cook (O) Prob. Cook (O)							
Seaman Cook (FR)							
P.O. Photographer							
Ldg. Photographer							
Photographer							
	91						

Substantive Ratings

Master at Arms	
R.P.O.	1
C.P.O.	1
Petty Officer	3
Ldg. Seamen	30
Able & Ord. Smn.	
Ch. Yeo. of Sigs.	
Yeo. of Sigs.	
Ldg. Signalman	1
Signalman	2
P.O. Coder	
Ldg. Coder	1
Coder, Ord. Coder	1
C.P.O. Tel.	
P.O. Tel.	
Ldg. Tel.	1
Telegraphist	3
Ch. & Sailmaker	
CERA, CERA (M)	1
E.R.A. Mechanician.	4
Ch. M.M.	
Motor Mechanic	
Chief Stoker	1
Stoker P.O.	6
Ldg. Stoker	6
Stoker	16
Ch. Shpt. Ch. Jnr.	
Shpt. & Joiner	1
Ch. & Blacksmith	
Ch. & Plumber	
Ch. & Painter	
C.O.A.	
Ordnance Art.	
C.E.A.	
Electrical Art.	1
Electrician	
Ch. Radio Art.	
Radio Art.	1
C.A/S Art.	
A/S Artificer	
Sick Berth C.P.O.	
Sick Berth P.O.	
Ldg. S.B.A.	1
S.B.A., Prob. S.B.A.	
C.P.O. Writer	
P.O. Writer	
Ldg. Writer	
Writer, Writer Prob.	1
Supply C.P.O.	
Supply P.O.	
Ldg. S.A.	1
Supply Asst. & Prob.	1
C.P.O. Cook (S)	
P.O. Cook (S)	
Ldg. Cook (S)	1
Cook (S) Prob. Cook (S)	2
C.P.C. Steward	
P.O. Steward	
Ldg. Steward	1
Steward	2
C.P.O. Cook (O)	
P.O. Cook (O)	
Ldg. Cook (O)	
Cook (O) Prob. Cook (O)	
Seaman Cook (FR)	
P.O. Photographer	
Ldg. Photographer	
Photographer	
	91

Non Substantive Ratings

Gunner's Mate	
L.R. 1	
L.R. 2	
L.R. 3	1
Q.R. 1	
Q.R. 2	1
Q.R. 3	1
C.R. 1	
C.R. 2	
C.R. 3	
A.A. 1	
A.A. 2	
A.A. 3	2
A.A.L.G.	
G.L.W.	
Q.O.	1
Torp. Cox'n.	1
MTB Cox'n	
T.G.M.	
L.T.O.	2
L.T.O. (LP)	
S.T.	2
T.L.W.	
S.D.I.	
H.S.D.	1
S.D.	3
A/S.O.W.	
Radar 1	
Radar 2 RP2	1
Radar 3 RP 3	25
Deep Diver	
Diver 1	
Diver 2	
V/S 1	
V/S 2	
V/S 3	
W/T 1	
W/T 2	
W/T 3	
Eng. O.W.	1
P.&.R.T. 1	
P.&.R.T. 2	
Draughtsman	
Barber	
Butcher	
Tailor	
Bugler	
Lamptrimmer	
Motion Pict.O.	
OFFICERS	
Lieut/CDR.	1
Lieut.	3
Sub/Lieut.	1
Lieut. (E)	1
	6

Authorized Complement

River Class Frigates

Officers

Commander or Lieut-Cdr.	1
Lieutenant	4
S/Lieut. or Mate	2
Lieutenant (E)	1
Lieutenant (S)	1
	<u>1</u>
Total Officers	<u>9</u>

Ratings

C.P.O.	1
P.O.	3
Ldg. Smm.	4
A.B., Ord. Smm.	54
Yeoman of Sigs.	1
Signalman	4
Ldg. Coder	1
Coder	2
P.O. Tel.	1
Telegraphist	6
Ldg. Tel. (SO)	1
Tel. (SO)	2
Ch. E.R.A., Ch. E.R.A. (M)	1
E.R.A. or Mechanician	4
Ldg. Stoker (M)	1
Chief Stoker	1
Stoker P.O.	6
Ldg. Stoker	6
Stoker	16
Shipwright, Joiner	1
O.A.	1
E.A.	1
R.A.	1
Ldg. S.B.A.	1
Ldg. Writer	1
Stores P.O.	1
Ldg. S.A.	1
S.A.	1
Ldg. Cook (S)	1
Cook (S)	3
Ldg. Steward	1
Steward	2
	<u>2</u>
Total Ratings	<u>131</u>

Included in the foregoing are the following non-substantive rates:

L.R. 3	4
Q.R. 1	1
Q.R. 2	2
Q.R. 3	3
A.A. 1	1
A.A. 3	4
Q.O.	2
T.C.	1
L.T.O.	2
S.T.	6

H.S.D.	1
S.D.	6
R.P. 2	3
R.P. 3	5
R.C. 3	1
V/S 2	1
W/T 2	1
W/T 3 (SO)	1
E.O.W.	1
Butcher	1
Barber	1

Total

48

Note 1 Twin Mk. V. Bofors and simple Tachymetric Director in lieu of 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Add: A.B., Ord. Smn.	4	Add: A.A. 2	1
		A.A. 3	4
		L.T.O. (LP)	1
		Delete: Q.R. 2	1
		L.R. 3	2
		L.T.O.	1

Note 2 Twin Mk. V. Bofors only in lieu of 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Add: A.B., Ord. Smn.	2	Add: A.A. 3	3
		Delete: Q.R. 2	1
		L.R. 3	2

Note 3 If 4" Mk. XIX on XXIII is fitted aft in lieu of 12 pdr:

<u>Substantive Complement</u>	
Add: A.B., Ord. Smn.	1

Note 4 When replacing 4" Mk. XIX on XXIII aft by Twin Mk. V. Bofors Notes 1 and 2 above apply except that substantive increases are to be 3 A.B., Ord. Smn. and 1 A.B., Ord. Smn. respectively.

Note 5 When a bridge unit is fitted:

<u>Substantive Complement</u>	
Add: A.B., Ord. Smn.	1

Note 6 One Surgeon Lieutenant allowed in every 5th Ship. When Medical Officer is carried delete one Ldg. S.B.A. and add one S.B.A.

Note 7 One Commander allowed in every 5th Ship.

Note 8 One Electrical Lieutenant is to be borne additional per group.

Note 9 When a "Boffin" mounting is fitted in lieu of 4 inch or 12 pdr:

<u>Substantive Complement</u>		<u>Non-Substantive Complement</u>	
Delete: A.B., Ord. Smn.	2	Add: A.A. 3	1

Note 9 (Cont'd)

Non-Substantive Complement

Delete:	Q.R. 2	1
	L.R. 3	2

Note 10 If Senior Ship of group:

Add: 1 Senior Officer
2 Specialist Officers, one of whom is to be
accommodated in Senior Ship.
1 Steward
1 Ldg. Tel. - W/T 3
1 Ldg. Sig. - V/S 3
1 Signaller
1 Coder

MEMORANDUM TO: D.W.T.

Reference is made to your memorandum of the 10th July, on this file.

2. The proposed complement of radar ratings is concurred in.

3. With reference to the Officer complement the majority of Canadian Escort Groups have to date been inefficient in radar compared to their R.N. and U.S.N. counterparts. It is time steps were taken to overcome this situation if R.C.N. Frigates are to satisfactorily employ modern methods of warfare in Phase II. The S.O.'s of Escort Groups which have shown themselves to be "radar-conscious" have usually insisted the G.R.O. be borne in their ship.

4. It is proposed that the Group Radar Officer be in the S.O.'s ship, for the following reasons:

- (a) Successful S.O.'s need and desire the Staff Radar Officer in their ships.
- (b) R.N. Escort Groups carry the Group Radar Officer in the S.O. ship, unless breakdowns or training require him to leave the ship.
- (c) C.in C. B.P.F. states that G.R.O. is one of three Staff Group Officers required in Pacific and observing R.N. policy in (b) above, it could be assumed he should be borne in S.O.'s ship.
- (d) The U.S.N. Escort Divisions invariably carry the Division Technical Radar Officer in the S.O. ship on the basis that his advice should be always available to the Senior Officer.
- (e) The employment of radar in the Pacific war far exceeds that required in Atlantic Escort work. It is doubtful whether any frigate-group S.O. has sufficient knowledge of make the best use of his radar information without constant advice from an experienced Radar Officer.

5. On the other hand it is questionable whether the group Gunnery officer is required to live in the S.O.'s ship since all gunnery will be individual-ship firing.

G.A. Worth
(G.A. Worth)
A/Captain, R.C.N.
D.S.D.

21st July, 1945.

FRIGATES (Complement)

Commander
Lieutenant
Lieutenant
Lieutenant (E)
pay Lieutenant

Old	New
1	1
4	3
2	1
1	1
1	
<u>9</u>	<u>6</u>

C60.0

28/6/45

RATINGS

C.P.O.	1	1
P.O.	3	2
L/Smn.	4	3
A.B.'s or O/D's	59	48
L/Sig. or Yeo.	1	1
Sigs.	4	3
L/Coders	1	1
Coders	2	1
L/Tel. or P.O. Tel.	1	1
Tels.	6	3
Ch. E.R.A.	1	1
E.R.A.	4	4
Ch. Stoker	1	
S.P.O.	6	4
Ldg. Sto.	6	6
Stoker	16	13
Elect. Artificer	1	
Radio Artificer	1	
Ordnance Artificer	1	1
Shipwright	1	1
S.B.A.	1	1
L/S.A.	1	1
S.A.	1	1
L/Writer	1	1
L/Cook (S)	1	1
Cook (S)	3	2
L/Steward	1	1
Steward	3	1
Stores P.O.	1	
	133	102

NON-SUB RATES

L.R. 3	4	3
Q.R. I	1	1
Q.R. II	2	1
Q.R. III	2	1
A.A. III	4	2
Q.O.	2	2
T.C.	1	1
L.T.O.	1	1
S.T.	6	4
H.S.D.	1	1
S.D.	6	4
Radar 2	1	1
Radar 3	6	3
V/S 3 or 2	1	1
W/T 3 or 2	1	1
E.O. Writer	1	
Barber	1	
Butcher	1	
Lamptrimmer	1	
A.A. II	1	1
L.T.O. (LP)	1	1

Plus one with depth predicator fitted ships.

34557
MEMORANDUM TO A/LT.CDR.(S) D. McCLURE:

- - - - -
I am afraid I have bad news regarding the additional writer in frigates. I was under the impression yesterday that they already carried two writers and that they would continue to do so in the Pacific campaign. Unfortunately, however, the Directorate of Warfare and Training have been using every means at their disposal to cut the complement of these ships as much as possible to make them livable in tropical conditions so I am afraid one Leading Writer only is allowed by complement. Would you please express my apologies to the class for having given them the wrong information, and ask them when they join their ships, if in the light of experience it is impossible to carry on with only one Writer, if they will please put up an official moan, and we will see if the complement can be increased.

Peter Emmett

A/Lieut-Commander (S)
A/D.F.A.S.S.

Ottawa, Ontario.
27th June, 1945.

Noted & communicated
27 June 45

(NAVAL SERVICE)

P 03837

MINUTE II

482930

FILE:CNA.....71-1-1

The Secretary, Naval Board,
Department of National Defence,
OTTAWA, Ont.

Copy:R.C.N.Depot, Halifax, N.S.

4100-381

Submitted for the consideration of the Department,
with reference to NS 4100-333 Vol.1., N.S. 4100-381 Vol.1.
Pers (N) of 31st May 1945, concurring in the recommendations
of Captain D.Halifax, N.S.

The Commander in Chief,
Canadian Northwest Atlantic.
26th June 1945.

(G.C.Jones)
VICE ADMIRAL, RCN.



One

Copy 4100-333

JUL - 5 AM

R.P. 3
E.O.'s Writer
S.T.

3
1
2

3
1
1

(NAVAL SERVICE)

FROM: Captain (D) Halifax.

DATE: 13th June, 1945.

FILE: D. 3-32-0

TO: Commander-in-Chief,
Canadian Northwest Atlantic,
Area Combined Headquarters.

COPY: R.C.N. Depot,
H.M.C.S. "PEREGRINE".

COMPLEMENT - RIVER CLASS FRIGATES AND CASTLE CLASS
CORVETTES

In accordance with your Minute II, C.N.A. 71-1-1 dated 7th June, the following proposed complements for River Class Frigates and Castle Class Corvettes used on Coastal Patrol duties are submitted for consideration.

2. These proposed complements are based on the assumption that:

- (a) The ships should be prepared for surface action only against relatively unarmed surface craft.
- (b) That the chances of A/S action are remote, but a sufficient crew is borne to operate in an emergency and maintain equipment in good condition.
- (c) Air attack is not provided for.

3. As the Pacific Coast is in a Combat area it is proposed that ships allocated to that area be fully manned.



H. Maswell Lt. Cdr. v.R.
for: (J.C. Hibbard)
Absent on duty
ACTING CAPTAIN, R.C.N.
CAPTAIN (D) HALIFAX.

Orig. 4100-381

PROPOSED REDUCED COMPLEMENT FOR H.M.C. SHIPS USED AS
COASTAL PATROLS ON THE ATLANTIC COAST.

<u>Officers</u>	<u>Frigates</u>	<u>Castle Corvettes</u>
Lieutenant Commander	1	1
Lieutenant	3	3
Sub Lieutenant	1	1
Lieutenant (E)	<u>1</u>	<u>1</u>
	6	6
Chief Petty Officer	1	1
Petty Officer	1	1
Leading Seaman	3	3
A.B./O.S.	26	20
Leading Signalman	1	1
Signalman	2	2
Leading Coder	1	1
Coder	1	1
Leading Tel.	1	1
Tel.	3	3
C.E.R.A.	1	1
E.R.A.	4	3
Chief Stoker	1	1
Stoker P.O.	6	6
Leading Stoker	6	3
Stokers	16	12
E.A.	1	1
R.A.	1	1
Shipwright	1	-
Leading S.B.A.	1	1
Stores P.O.	1	-
Leading Stores Asst.	1	1
Stores Asst.	1	1
Writer	1	1
Leading Cook (S)	1	1
Cooks (S)	2	2
Leading Steward	1	1
Steward	<u>2</u>	<u>2</u>
	94	78
<u>Non Sub</u>		
L.R. 3	1	1
Q.R. 2	1	1
Q.R. 3	1	1
A.A. 3	1	1
T.C.	1	1
L.T.O.	2	1
H.S.D.	1	1
S.D.	3	3
R.P. 2	1	1
R.P. 3	3	3
E.O.'s Writer	1	1
S.T.	2	1

MEMORANDUM TO A.C.N.S.
D. MANNING.

Attached herewith for approval is a revised substantive and non-substantive complement intended for application to River Class Frigates when armed with:-

- 1 - 4" Twin Mk. XVI on Mk. XIX.
- 4 - 20 mm. Oerlikons on Mk. Vc.
- 1 - 12 pdr. 12 cwt. Mk. V on IX.

2. Footnotes, as on sheet "A" attached, cover variations from the above.

3. Also attached is a condensed Action and Cruising Quarter Bill from which the proposed revised complement was derived.

4. It is proposed that copies of this Quarter Bill be furnished to Depots and Frigates. It should be noted that the Quarter Bill is intended only as a guide, and need not be followed in detail by any ship.

5. D.N.C. has confirmed that accommodation in the ships concerned is adequate.

D. L. Raymond

(D.L. Raymond)
A/Captain, R.C.N.
DIRECTOR OF WARFARE & TRAINING.

30 April, 1945.

River Class Frigates

Substantive Ratings				Non Substantive Ratings			
				FD1570			
Master at Arms				Gunner's Mate			
R.P.O.				L.R. 1			
C.P.O.			1	L.R. 2			
Petty Officer			3	L.R. 3		4	
Ldg. Seamen			4	Q.R. 1		1	
Able & Ord. Smn.			59	Q.R. 2		2	
Ch. Yeo. of Sigs.			-	Q.R. 3		3	
Yeo. of Sigs.			1	C.R. 1			
Ldg. Signalman			-	C.R. 2			
Signalman			4	C.R. 3			
P.O. Coder			-	A.A. 1			
Ldg. Coder			1	A.A. 2		1	
Coder, Ord. Coder			2	A.A. 3		4	
C.P.O. Tel.		(so)		A.A.L.G.			
P.O. Tel.	1		1	G.L.W.			
Ldg. Tel.		1	1	Q.O.		2	
Telegraphist	6	2	8	Torp. Cox'n.		1	
Ch. & Sailmaker			-	MTB Cox'n			
CERA, CERA (M)			1	T.G.M.			
E.R.A. Mechanician.			4	L.T.O.		2	
Ch. M.M.			-	L.T.O. (LP)			
Motor Mechanic			-	S.T.		6	
Chief Stoker			1	T.L.W.			
Stoker P.O.			6				
Ldg. Stoker			6	S.D.I.			
Stoker			16	H.S.D.		1	
Ch. Shpt. Ch. Jnr.				S.D.		6	
Shpt. & Joiner			1	A/S.O.W.			
Ch. & Blacksmith				RP1		-	
Ch. & Plumber				RP1 RP2		3	
Ch. & Painter				RP2 RP3		5	
C.O.A.				RP3 RC2		-	
Ordnance Art.			1	RC3		1	
C.E.A.				Deep Diver			
Electrical Art.			1	Diver 1			
Electrician				Diver 2			
Ch. Radio Art.				V/S 1			
Radio Art.			1	V/S 2		1	
C.A/S Art.				V/S 3			
A/S Artificer				W/T 1			
Sick Berth C.P.O.				W/T 2		1	
Sick Berth P.O.				W/T 3 (S.o.)		1	
Ldg. S.B.A.			1	Eng. O.W.			
S.B.A., Prob. S.B.A.				P.&R.T. 1			
C.P.O. Writer				P.&R.T. 2			
P.O. Writer				Draughtsman			
Ldg. Writer			1	Barber			
Writer, Writer Prob.				Butcher			
Supply C.P.O.				Tailor			
Supply P.O.			1	Bugler			
Ldg. S.A.			1	Lamptrimmer			
Supply Asst. & Prob.			1	Motion Pict.O.			
C.P.O. Cook (S)							
P.O. Cook (S)							
Ldg. Cook (S)			1				
Cook (S) Prob. Cook (S)			3				
C.P.O. Steward				Officers			
P.O. Steward				Cdr. or Lt. Cdr.	1		
Ldg. Steward			1	Lieutenant	4		
Steward			3	Sub. Lt. or Mate	2		
C.P.O. Cook (O)				Lieut. (E)	1		
P.O. Cook (O)				Lieutenant (S)	1		
Ldg. Cook (O)					9		
Cook (O) Prob. Cook (O)							
Seaman Cook (FR)							
P.O. Photographer							
Ldg. Photographer							
Photographer							
			136				

NOTES

Note (i) Twin Mk.V Bofors and Simple Tachymetric Director in lieu of 12 pdr:

N.Sub Delete 1 QRII
2 LRIII
1 LTO

Add 1 AAI
4 AAIII
1 LTO (LP)

Sub Add 4 AB or Ord.

Note (ii) Twin Mk.V Bofors only in lieu of 12 pdr:

N.Sub Delete 1 QRII
2 LRIII

Add 3 AAIII

Sub Add 2 AB or Ord.

Note (iii) If 4" Mk.XIX on XXIII is fitted aft in lieu of 12 pdr:

Sub Add 1 AB or Ord.

Note (iv) When replacing 4" Mk.XIX on XXIII aft by Twin Mk.V Bofors (i) and (ii) above apply except that substantive increases are to be 3 and 1 respectively.

Note (v) When a bridge unit is fitted, add 1 AB or Ord.

Note (vi) One Surgeon Lieutenant allowed in every 5th Ship. When M.O. is carried, delete one L/SBA and add 1 SBA.

Note (vii) One Commander allowed in every 5th Ship.

Note (viii) If Senior Ship of Group add:

1 Senior Officer
2 Specialist Officers, one of whom is to be accommodated in Senior Ship.
1 Steward
1 P.O. Tel. (W/T 2)
1 Yeoman of Sigs. (V/S 2)
1 Signalman
1 Coder

FD 1570

11th September, 1944.

MEMORANDUM:

The following amendments to the Authorized Complements of Ships listed below have been approved:

(a) Frigates (all classes) and Castle Class Corvettes
ADD: Telegraphist 1
Signalman 1

Note:

If Frigate or Castle Class Corvette is S.O. of group add:

P.O. Telegraphist 1
Yeo. of Sigs. 1
Signalman 1
Coder 1

Communication ratings previously allowed for River Class and Loch Class Frigates if S.O. of group have been superseded by the above.

(b) Flower Class & Revised Flower Class Corvettes

DELETE: Telegraphist 2

Note:

If S.O. of group add:

Telegraphist 2
Signalman 1

(c) BANGOR MINESWEEPERS (Steam and Diesel)

DELETE: Telegraphist 2

Note:

If S.O. of group add:

Telegraphist 2
Signalman 1

2. Forwarded herewith are the Authorized Complements for River Class and Loch Class Frigates, including the above amendments.

BY ORDER,

[Signature]
SECRETARY, NAVAL BOARD.

R.C.N. Depot, Halifax, N.S.

(Copies to: Secretary, Canadian Naval Mission Overseas.
Commander in Chief Canadian Northwest Atlantic.
Flag Officer, Newfoundland Force.
Commanding Officer Pacific Coast.
Captain (D) Halifax.
Captain (D) Newfoundland.
Commander (D) Esquimalt.
Commanding Officer, H.M.C.S. "NIOBE".
R.C.N. Sub-Depot, H.M.C.S. "AVALON".
R.C.N. Sub-Depot, Esquimalt, B.C.)

LETTER dispatched by
PERSONNEL NAVAL

SEP 12 1944

AUTHORIZED COMPLEMENT
RIVER CLASS FRIGATES

Officers

Lieut-Cdr.	1
Lieutenant	4
Sub-Lieut. or Mate	2
Lieutenant (E)	1
Pay. Lieutenant	1
	9

Ratings

C.P.O.	1
P.O.	3
Ldg. Seaman	4
A.B. or Ord. Smn.	58
Ldg. Signalman or Yeo. of Sigs.	1
Signalman	4
Ldg. Coder	1
Coder	2
Ldg. Telegraphist or P.O. Tel.	1
Telegraphist	6
Ch. E.R.A.	1
E.R.A.	4
Ch. Stoker	1
Stoker P.O.	6
Ldg. Stoker	6
Stokers	16
Electrical Artificer	1
Radio Artificer	1
Ordnance Artificer	1
Shipwright	1
Ldg. S.B.A.	1
Supply Petty Officer	1
Ldg. S.A.	1
S.A.	1
Ldg. Writer	1
Ldg. Cook (S)	1
Cook (S)	3
Ldg. Steward	1
Steward	3
	132

Hugh MacArthur D.W.S. re Stewards.

No Substantive Ratings

L.R. 3	4
Q.R. 1	1
Q.R. 2	2
Q.R. 3	2
A.A. 2	1
A.A. 3	4
Q.O.	2
T.C.	1
L.T.O.	2
S.T.	6
H.S.D.	1
S.D.	6
Radar 2	1
Radar 3	6
V/S 3 or V/S 2	1
W/T 3 or W/T 2	1
Engineer Officer's Wtr.	1
Barber	1
Butcher	1
Lamptrimmer	1
	<u>45</u>

Note 1

If S.O. of group - add	
P.O. Telegraphist (W/T 2)	1
Yeo. of Sigs. (V/S 2)	1
Signalman	1
Coder	1

Note 2

If fitted with HF/DF - add	
Ldg/Tel. (S.O.)	1
Tel. (S.O.)	2

Note 3

1 Surgeon Lieut. allowed in every 5th ship.
When M.O. is carried, 1 S.B.A. is borne in lieu of 1 Ldg. S.B.A.

Note 4

1 Commander allowed in every 5th ship.

Note 5

If Senior Ship of Group - add
1 Senior Officer and 2 Specialist Officers, one of whom is to be borne in Senior Ship.

Note 6

If equipped with 4 inch Twin M.K. XVI Guns - add	
Able Seaman or Ordinary Seaman	3
Non Sub.	
Add - Q.R. 3	1

Note 7

If Senior Officer's Ship	
Add: Steward	1

AUTHORIZED COMPLIMENT
LOCH CLASS FRIGATES

Officers

Lieutenant Commander	1
Lieutenant	4
Sub-Lieutenant or Mate	2
Lieutenant (E)	1
Pay. Lieutenant	1
	<u>9</u>

Ratings

C.P.O.	1
P.O.	3
Ldg. Seaman	4
A.B. or Ord. Smn.	58
Ldg. Sig. or Yeo of Signals	1
Signalman	4
Ldg. Coder	1
Coder	2
Ldg. Tel or P.O. Tel	1
Telegraphist	6
Ch. E.R.A.	1
E.R.A.	4
Ch. Stoker	1
Stoker P.O.	6
Ldg. Stoker	6
Stokers	16
Electrical Artificer	1
Radio Artificer	1
Ordnance Artificer	1
Shipwright	1
Ldg. S.B.A.	1
Supply Petty Officer	1
Ldg. S.A.	1
S.A.	1
Ldg. Writer	1
Ldg. Cook (S)	1
Cook (S)	3
Ldg. Steward	1
Steward	3
	<u>132</u>

Non Substantive Ratings

L.R.	3	2
Q.R.	1	1
Q.R.	2	1
Q.R.	3	2
A.A.	2	2
A.A.	3	7
Q.O.		2
T.C.		1
L.T.O.		2
S.T.		6
H.S.D.		1
S.D.		1
Radar	2	6
Radar	3	1
V/S	2 or V/S 3	1
W/T	2 or W/T 3	1
Engineer Officer's Wtr.		1
Barber		1
Butcher		1
Lamptrimmer		1
		<u>46</u>

Note 1

If S.O. of group - add	
P.O. Telegraphist (W/T 2)	1
Yeo. of Sigs. (V/S 2)	1
Signalman	1
Coder	1

Note 2

If fitted with HF/DF - add	..
Ldg. Telegraphist (S.O.)	1
Telegraphist (S.O.)	2

Note 3

1 Surgeon Lieut. allowed in every 5th Ship.
When M.O. is carried, 1 S.B.A. is borne in lieu of 1 Ldg. S.B.A.

Note 4

1 Commander allowed in every 5th Ship.

Note 5

If Senior Ship of group - add
1 Senior Officer and 2 Specialist Officer,
one of whom is to be borne in Senior Ship.

Note 6

If equipped with 4 inch Twin M.K. XVI Guns - add
Able Seaman or Ordinary Seaman 3

Non-Sub

Add - Q.R.	3	1
------------	---	---

4100-381

S 500689

FROM.....THE COMMANDER-IN-CHIEF, CANADIAN NORTHWEST ATLANTIC,
AREA COMBINED HEADQUARTERS, HALIFAX, N.S.

DATE.....JUNE 7TH, 1944.

FILE.....CNA. 22-5-2(a)

TO.....THE SECRETARY OF THE NAVAL BOARD, DEPARTMENT OF NATIONAL
DEFENCE FOR NAVAL SERVICES, OTTAWA.

Copy to: The Captain, R.C.N. Depot, H.M.C.S. "STADACONA", Halifax.

726
634

COMMUNICATION COMPLEMENT OF FRIGATES

Submitted for the consideration of the Department, that the laid down complement of V/S ratings in Frigates at the present is insufficient in the case of private ships. The physical layout of a Frigate's bridge makes it well nigh impossible for one rating on watch to handle S/P.'s, Flag Deck and the reading of incoming messages, since these three functions all take place on separate decks! If the complement was increased to four Signalmen, it would allow for three watches plus one dayman who could be on call at all times to assist with Flag hoisting, writing down of messages and S.D.O. work. The last named function must be carried out by the Yeoman in his spare time, which is hardly satisfactory during busy periods, as he is of necessity continually on the bridge.

2. The present complement at action stations allows the following disposition - the Yeoman and one Signalman on the bridge attending on the Captain, one Signalman on S.P.'s and one Signalman on the Flag Deck. It is not considered that one hand on the Flag Deck is sufficient to handle Flag hoisting.

3. It is noted that the present complement for private Algerines allows one Yeoman and four Signalmen against a Frigate's one Yeoman or Ldg. Signalman and three Signalmen. It is submitted that four Signalmen is considered to be the minimum for efficiency for both these types of ships and that it would be advisable to increase the complement of private Frigates to bring them in line.

L. W. Murray
(L. W. MURRAY)
REAR ADMIRAL, R.C.N.

JUN 29 PM.

(NAVAL SERVICE)

WHG/CR

N.S. 4100-381 FD 1570 E&C ✓

MEMORANDUM TO DIRECTOR OF WARFARE AND TRAINING: ✓

H.M.C. River Class Frigates
Complement

With reference to your memorandum on this file dated 27th March, 1945, attached is a chart of Complement showing:-

- (a) Estimated maximum Complement without structural alteration.
- (b) Complement as proposed for Ships fitted with
- 1 - 4" Twin Mk. XIV on Mk XIX
 - 4 - 20 m/m Oerlikons on Mk Vc
 - 1 - 12 Pdr. Mk V on IX
- (c) Estimated Complement for Ships fitted with
- 1 - 4" Twin Mk XVI on Mk. XIX
 - 4 - 20 m/m Oerlikons on Mk Vc.
 - 1 - 40 m/m Twin Bofors and Director
 - 1 - A.I.O.
- FD 1570

2. According to the above mentioned chart, accommodation is adequate and therefore no modifications will be required. It is pointed out, however, that only a few months ago additional kit lockers were fitted. See A and A No. 175. If the existing complement numbers are final these extra lockers are unnecessary.

3. Attached are two copies of the chart for your information and retention.

A.N. Harrison

(A.N. Harrison)
Constructor Captain, R.C.N.
DIRECTOR OF NAVAL CONSTRUCTION.

O. F. t a w a 21st April, 1945

Discussed with - Lt. Jernigan
23/4/45
Cm.

APR 23 AM

COMPLEMENT

HMC RIVER CLASS FRIGATES.

REF. NS. 4100-381 FD 1570 DATED 27-3-45

		A			B		C			
ITEM	COMPARTMENT	ESTIMATED MAXIMUM			COMPLEMENT I		COMPLEMENT II		ITEM	
		SUNGLING	LKR TOP	LKRS.	PRIVATE	S.O.	PRIVATE	S.O.		
<u>FORE DECK.</u>										
1	CO'S CABIN.	1	-	-	1	1	1	1	2	
2	CABIN STBD	FRS 30 - 34	1		1	1	1	1	3	
3	" PORT.	" 35 - 38	0		2	0	2	0	4	
4	" "	" 38 - 42	1		1	1	1	1	5	
5	" "	" 42 - 46	2		2	2	2	2	6	
<u>UPPER DECK.</u>										
6	CABIN STBD	" 36 - 40 1/2	3		1	3	1	3	7	
7	" "	" 40 1/2 - 44	1		1	1	1	1	8	
8	" "	" 44 - 58	2		0	2	0	2	9	
TOTAL FOR OFFICERS.		11 ^A			9	11	9	11		
<u>UPPER DECK.</u>										
9	SEAMEN'S MESS	FR 13 - 23	15	3	(A) 18	(B) 16	18	16	10	
10	SPO's	" STBD - 23 - 33	11	2	13	7	6	6	11	
11	PO's	" PORT - 23 - 33	9	2	11	8	8	10	12	
12	CPD's	" " - 33 - 38	4	2	6	5	3	3	13	
13	ERA's	" " - 39 - 46	6	1	7	6	6	6	14	
14	SICK BAY	" " - 46 - 52	2	-	*	1	1	1	15	
15	STEWARDS MESS STBD	" 58 - 66	6	2	8	8	9	8	16	
16	MISC MESS PCS	" 73 - 88	24	4	28	24	24	28	17	
<u>LOWER DECK.</u>										
17	STOKERS MESS	FR 21 - 33	23	6	29	22	22	22	18	
18	SEAMEN'S	" - 33 - 45	42	10	52	42	42	45	19	
TOTAL FOR RATINGS.		142	32	174	136	141	142	147		

CLASS I SHIP IS FITTED WITH:-

- 1 - 4" TWIN MK IV ON MK IV
- 4 - 20" mm O.D. MK IV
- 1 - 12" PDR MK IV ON MK IV
- 1 - HF/DF
- 1 - 271 OR RYC RADAR
- 1 - 2 NO. W.T.

CLASS II SHIP IS FITTED WITH:-

- 1 - 4" TWIN MK IV ON MK IV
- 4 - 20" mm O.D. MK IV
- 1 - 40" mm WITH DIRECTOR
- 1 - HF/DF
- 2 NO. W.T.
- 1 - RADAR SH.
- 1 - A.C.

SPARE BERTH AVAILABLE FOR:-
1 - M.D. (EVERY 5TH SHIP)
OR 1 - SPECIALIST FROM SO SHIP.
OR 1 - ELECTRICAL OFFICER (EVERY 5TH SHIP).

MAX FOR PRIVATE SHIPS IS 10 OFFICERS.

LOCKERS
(A) SEAT
(B) HANGING (IF FITTED)

* 1 IN NO JACKET CUPBOARD
* 2 IN NO KIT LOCKERS

ITEM	PRIVATE SHIP CLASS I		SO SHIP CLASS I		PRIVATE SHIP CLASS II		SO SHIP CLASS II	
	1	2	1	2	1	2	1	2
1	1	CDR or L/COR.	1	CDR or L/COR.	1	CDR or L/COR.	1	CDR or L/COR.
2	1	LIEUT.	1	SENIOR OFFICER.	1	LIEUT.	1	SENIOR OFFICER.
3	2	"	1	SO DAY CABIN	2	"	1	SO DAY CABIN
4	1	"	1	LIEUT.	1	"	1	LIEUT.
5	1	LIEUT & 1 S/LIEUT.	2	"	1	" & 1 S/LIEUT.	2	"
6	1	LIEUT (S)	1	LT, LT(S), LT(S) SPECIALIST.	1	LIEUT (S)	1	LT, LT(S), LT(S) SPECIALIST.
7	1	" (E)	1	LIEUT (E)	1	" (E)	1	LIEUT (E)
8			1	LIEUT C/S/LIEUT.			1	LIEUT C/S/LIEUT.
9	1	L/TEL	1	L/TEL	1	L/TEL	1	L/TEL
8	1	TEL	8	TEL	8	TEL	8	TEL
1	1	L/CODER	1	L/CODER	1	L/CODER	1	L/CODER
2	1	CODERS	3	CODERS	2	CODERS	3	CODERS
4	1	SIGNALMEN	5	SIGNALMEN	4	SIGNALMEN	5	SIGNALMEN
16		MAX 15	18		MAX 15	16		MAX 15
10	6	STOKER PO's	MAX 11	6	STOKER PO's	MAX 11	6	STOKER PO's
11	3	PO's	3	PO's	3	PO's	3	PO's
1	1	YEO SIGS.	2	YEO SIGS.	1	YEO SIGS.	2	YEO SIGS.
1	1	P.O. TEL.	2	P.O. TEL.	1	P.O. TEL.	2	P.O. TEL.
1	1	O.A.	1	O.A.	1	O.A.	1	O.A.
1	1	SUPPLY P.O.	1	SUPPLY P.O.	1	SUPPLY P.O.	1	SUPPLY P.O.
1	1	SHIPWT.	1	SHIPWT.	1	SHIPWT.	1	SHIPWT.
8		MAX 9	10		MAX 9	8		MAX 9
12	1	C.P.O.	1	C.P.O.	1	C.P.O.	1	C.P.O.
1	1	C.E.R.A.	1	C.E.R.A.	1	C.E.R.A.	1	C.E.R.A.
1	1	C.STOKER.	1	C.STOKER.	1	C.STOKER.	1	C.STOKER.
3		MAX 4	3		MAX 4	3		MAX 4
13	4	ERA's	4	ERA's	4	ERA's	4	ERA's
1	1	RA.	1	RA	1	RA	1	RA
1	1	EA.	1	EA.	1	EA	1	EA
6		MAX 6	6		MAX 6	6		MAX 6
14	1	L/SBA.	MAX 2	1	L/SBA.	MAX 2	1	L/SBA.
15	1	L/COOK	1	L/COOK	1	L/COOK	1	L/COOK
3	3	COOKS	3	COOKS	3	COOKS	3	COOKS
1	1	L/STEWARD	1	L/STEWARD	1	L/STEWARD	1	L/STEWARD
3	3	STEWARDS	4	STEWARDS	3	STEWARDS	4	STEWARDS
8		MAX 6	9		MAX 6	8		MAX 6
16	1	L/SA.	1	L/SA	1	L/SA	1	L/SA
1	1	S.A.	1	S.A.	1	S.A.	1	S.A.
1	1	L/WRITER	1	L/WRITER	1	L/WRITER	1	L/WRITER
21	21	SEAMEN	21	SEAMEN	25	SEAMEN	25	SEAMEN
24		MAX 24	24		MAX 24	28		MAX 24
17	6	L/STOKERS	6	L/STOKERS	6	L/STOKERS	6	L/STOKERS
16	16	STOKERS	16	STOKERS	16	STOKERS	16	STOKERS
22		MAX 23	22		MAX 23	22		MAX 23
18	4	L/SEAMEN	4	L/SEAMEN	4	L/SEAMEN	4	L/SEAMEN
38	38	SEAMEN	38	SEAMEN	41	SEAMEN	41	SEAMEN
42		MAX 42	42		MAX 42	45		MAX 42

Action and Cruising ~~Quarter~~ ~~Section~~ Bill

RIVER CLASS FRIGATE

NOTE. TO BE TREATED AS A GUIDE ONLY.