

MONTHLY SUPPLEMENT No. 2—SEPTEMBER, 1935

TO THE

MARINE OBSERVER—Vol. XII, No. 119.

MARINE METEOROLOGY.

Co-operation of Shipowners, Masters and Mates.

Captains and Officers of ships registered in Great Britain and Northern Ireland, who wish to co-operate regularly with the Meteorological Office should apply to the appropriate Port Meteorological Officer or Agent, a list of whom, with addresses, is given below.

In accordance with the International Convention for Safety of Life at Sea, the Meteorological Office arranges for certain "Selected Ships" to take meteorological observations at specified hours, and to transmit such observations by wireless telegraphy, for the benefit of other ships and the various meteorological services.

Arrangements are also made for a limited number of ships to keep meteorological logs in certain trades for the purpose of completing the meteorological survey of the oceans.

Ships regularly performing these voluntary duties are known as Observing Ships; the whole as the Voluntary Observing Fleet; and the commanders and officers of these ships as the Corps of Voluntary Marine Observers.

At present the observing fleet is limited to a number not exceeding 360 observing ships. The number of British "Selected Ships" is determined upon the British proportion of world tonnage, on the assumption that there should be a total of 1,000 "Selected Ships" of all nations.

The observing fleet list indicating which are "Selected Ships," with the names of commanders, officers, and other particulars, is published in THE MARINE OBSERVER and kept up to date monthly.

A general description of marine meteorological work, including the particulars desired from intending marine observers, is given in Chapter I of THE MARINE OBSERVER'S HANDBOOK, 5th Edition, which is supplied to all observing ships, and may also be obtained from H.M. Stationery Office, direct, or through any bookseller, price 2s. 6d.

THE QUARTERLY MARINE OBSERVER or MONTHLY SUPPLEMENT is sent regularly to the captain of every observing ship, for the information and guidance of his observing officers, and in the case of "Selected Ships," the wireless operators also. The Captains of observing ships are also supplied on request with charts, and atlases, according to trade, if available, as meteorological equipment.

Ships keeping the Meteorological Log, Form 915, are lent a complete set of official tested instruments.

"Selected Ships," other than meteorological log keeping ships, keep the Ships' Meteorological Record, Form 911. All "Selected Ships" also keep the Ships' Wireless Weather Register, Form 138.

No observing ship is detailed as a "Selected Ship" unless she has on board a reliable mercurial barometer.

Official tested instruments are lent to "Selected Ships" when necessary.

The commanders of observing ships keeping the meteorological log are requested to return it (accompanied by Form 138 in the case of "Selected Ships") through the appropriate Port Meteorological Officer or Agent at intervals of not more than five months.

Commanders of observing ships keeping Forms 911 are requested to return them (accompanied by Form 138 in the case of "Selected Ships") by post direct to the Meteorological Office, London, at the end of each voyage, or at intervals of not more than two months.

These forms have the address and "On His Majesty's Service" printed upon them, and should be folded for posting accordingly.

The Port Meteorological Officers and Merchant Navy Agents inspect official instruments in Meteorological log ships half-yearly, and in "Selected Ships" quarterly, when possible; and they will replace defective gear. These officers will also check the accuracy of barometers in observing ships, but marine observers should themselves frequently check by comparison.

The work of the British observing fleet, that of the observing fleets of other nations party to the Convention for Safety of Life at Sea, together with Weather Shipping Bulletins and Gale and Hurricane Warnings conforming to the International Convention for Safety of Life at Sea, provide the necessary information for shipping. Thus a world wide service for all shipping, at the minimum cost to national funds, is provided. Shipowners are asked to facilitate this voluntary work which is done by the commanders and officers of their ships.

Shipowners will greatly assist by facilitating the forwarding of postal matter from the Air Ministry addressed to the Captains of ships.

The masters of all British ships fitted with wireless telegraphy are asked to assist in this service in aid of navigation by making routine wireless weather reports in accordance with the Selected Ship scheme where and when there are not Selected Ships carrying out the service.

This supplementary service to that of Selected Ships is particularly desirable in the regions and seasons of tropical revolving storms.

A pamphlet entitled "Decode for use with the International Code for Wireless Weather Messages from Ships", M.O. 329, Third Edition, price 6d. can be obtained from H.M. Stationery Office. This gives a description of the world wide system of voluntary Selected Ships routine wireless weather telegraphy, the Tables for decoding reports received from Selected Ships, and notes for the guidance of the masters of British ships.

"A Handbook of Weather, Currents and Ice for Seamen" has recently been published by H.M. Stationery Office, and may be obtained from the Stationery Office or through any bookseller, price 4s. This provides information of the elements named, the Laws of Storms, and gives guidance for weather forecasting at sea. It also gives some information of Ocean Pilotage and is intended as a guide for making use of the services specified in Article 35 of the Convention for Safety of Life at Sea.

NAUTICAL OFFICERS AND AGENTS OF THE MARINE DIVISION OF THE METEOROLOGICAL OFFICE, AIR MINISTRY.

LONDON ... Captain L. A. BROOKE SMITH, R.D., R.N.R.,
Marine Superintendent.
Commander J. HENNESSY, R.D., R.N.R., Senior
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Room 324, Adastral House, Kingsway, W.C.2.
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Nearest station Temple, District Railway.

THAMES ... Commander C. H. WILLIAMS, R.N.R., Port
Meteorological Officer, P.L.A. Building, King
George V Dock (south side), London, E.16.
(Telephone No.: Albert Dock 2659. Telegraphic
Address: Barometric Aldock, London).

MERSEY ... Commander M. CRESSWELL, R.N.R., Port
Meteorological Officer, Dock Office, Liverpool.
(Telephone No.: Bank 8959. Telegraphic
Address: Meteorite, Liverpool).

Agents.

BRISTOL CHANNEL Captain T. JOHNSTON, Technical College, Cathays
Park, Cardiff. (Telephone No.: Cardiff 6813).

Agents (contd.).

CLYDE ... Captain W. HENDERSON,

FORTH ... Captain C. G. BONNER, V.C., D.S.C., Leith Salvage
and Towage Co., Ltd., 2, Commercial Street,
Leith.

HONG KONG, China. Lieut. Commander E. H. C. BRANSON, R.N.,
Chart Depot, H.M. Dockyard.
(Telephone No.: 108 Dockyard).

HUMBER ... Captain A. M. BROWN, Ellerman Wilson Line
Office, Hull. (Telephone No.: Central 16180).

SOUTHAMPTON Captain Sir BENJAMIN CHAVE, K.B.E. Room 35
Royal Mail Buildings.

SYDNEY, New South Wales. Commander G. D. WILLIAMS, D.S.O., R.D., R.N.R.
Captain G. B. MERCER.
Customs House. (Telephone No.: B6421).

TYNE ... Captain J. J. McEWAN, Marine School, South
Shields.

DERELICTS AND FLOATING WRECKAGE.

Date.	Position.		Description.	Date.	Position.		Description.
	Latitude.	Longitude.			Latitude.	Longitude.	
ENGLISH CHANNEL.					NORTH ATLANTIC.		
7.8.35	49°15'N.	4°20'W.	Red conical buoy, dangerous.	5.8.35	49°20'N.	12°29'W.	Large red buoy, dangerous.
21.8.35	50°13'N.	1°12'W.	Spherical buoy, dangerous.	9.8.35	40°24'N.	68°23'W.	Red conical buoy marked "2".
22.8.35	50°25'N.	0°14'W.	Abandoned cutter.	10.8.35	37°21'N.	65°03'W.	Buoy.
				16.8.35	51°57'N.	17°38'W.	Large black and white conical buoy, dangerous.

CHART OF THE WESTERN NORTH ATLANTIC.

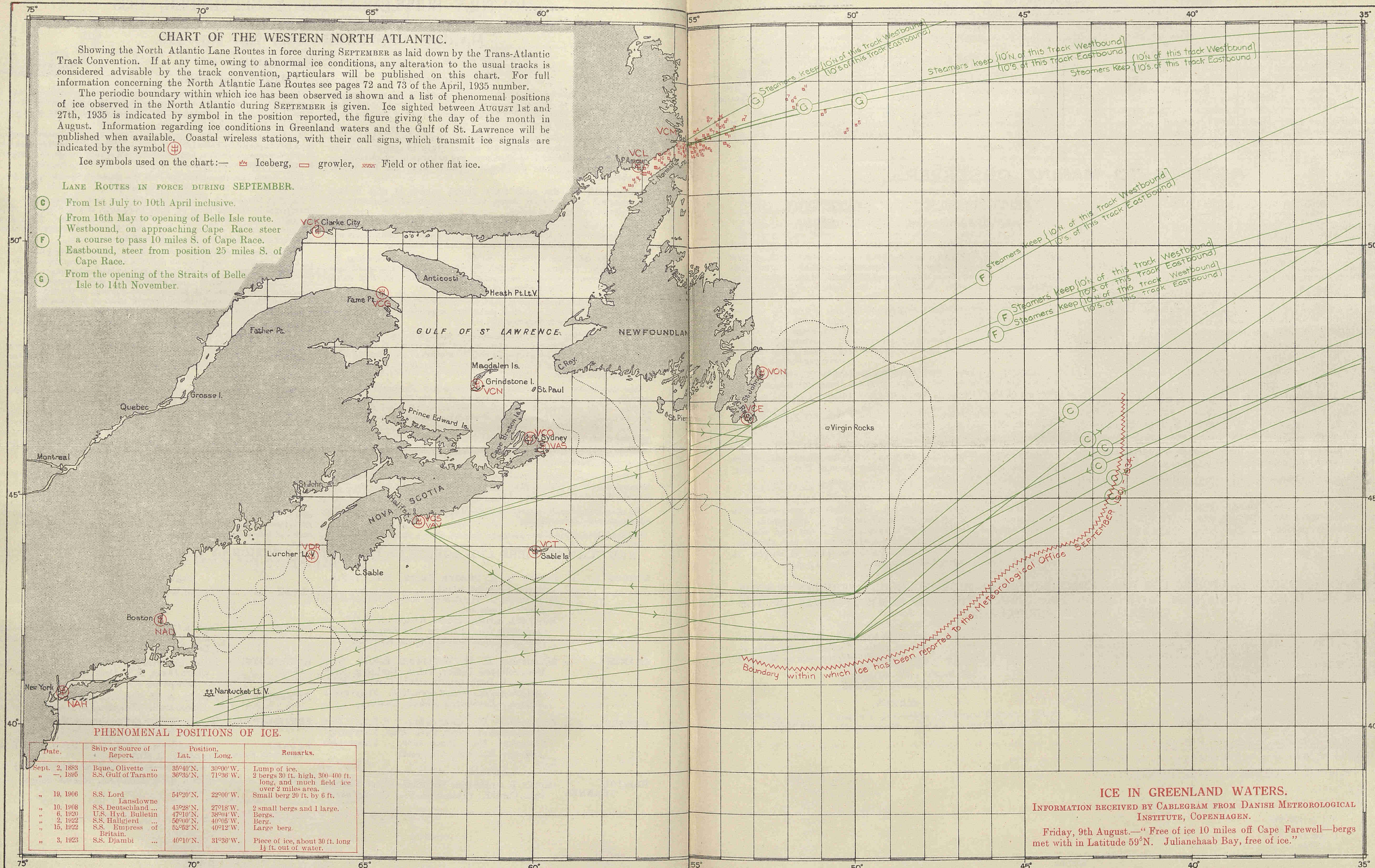
Showing the North Atlantic Lane Routes in force during SEPTEMBER as laid down by the Trans-Atlantic Track Convention. If at any time, owing to abnormal ice conditions, any alteration to the usual tracks is considered advisable by the track convention, particulars will be published on this chart. For full information concerning the North Atlantic Lane Routes see pages 72 and 73 of the April, 1935 number.

The periodic boundary within which ice has been observed is shown and a list of phenomenal positions of ice observed in the North Atlantic during SEPTEMBER is given. Ice sighted between AUGUST 1st and 27th, 1935 is indicated by symbol in the position reported, the figure giving the day of the month in August. Information regarding ice conditions in Greenland waters and the Gulf of St. Lawrence will be published when available. Coastal wireless stations, with their call signs, which transmit ice signals are indicated by the symbol (⊕).

Ice symbols used on the chart:— Iceberg, growler, Field or other flat ice.

LANE ROUTES IN FORCE DURING SEPTEMBER.

- (C) From 1st July to 10th April inclusive.
- (F) From 16th May to opening of Belle Isle route. Westbound, on approaching Cape Race steer a course to pass 10 miles S. of Cape Race. Eastbound, steer from position 25 miles S. of Cape Race.
- (G) From the opening of the Straits of Belle Isle to 14th November.



PHENOMENAL POSITIONS OF ICE.

Date.	Ship or Source of Report.	Position.	Remarks.
Sept. 2, 1883	Bque., Olivette ...	35°40' N. 30°00' W.	Lump of ice.
" —, 1895	S.S. Gulf of Taranto	36°35' N. 71°36' W.	2 bergs 30 ft. high, 300-400 ft. long, and much field ice over 2 miles area.
" 19, 1906	S.S. Lord Lansdowne	54°20' N. 22°00' W.	Small berg 20 ft. by 6 ft.
" 10, 1908	S.S. Deutschland ...	45°28' N. 27°18' W.	2 small bergs and 1 large.
" 6, 1920	U.S. Hyd. Bulletin	47°10' N. 38°04' W.	Bergs.
" 2, 1922	S.S. Hallgjerd ...	50°00' N. 40°05' W.	Berg.
" 15, 1922	S.S. Empress of Britain	52°52' N. 40°12' W.	Large berg.
" 3, 1923	S.S. Djambi ...	40°10' N. 31°38' W.	Piece of ice, about 30 ft. long 14 ft. out of water.

ICE IN GREENLAND WATERS.

INFORMATION RECEIVED BY CABLEGRAM FROM DANISH METEOROLOGICAL INSTITUTE, COPENHAGEN.

Friday, 9th August.—"Free of ice 10 miles off Cape Farewell—bergs met with in Latitude 59°N. Julianehaab Bay, free of ice."

CORRECTIONS

UP TO AUGUST 19TH 1935.

MADE SINCE PUBLICATION OF THE JULY, 1935 MARINE OBSERVER
AND SUPPLEMENT No. 1, AUGUST, 1935.

FLEET LIST.

Additions.		Deletions.		Alterations.			
Name of Vessel.	Met. Equipt.	Name of Vessel.	Met. Equipt.	Name of Vessel.	Met. Equipt.	Name of Vessel.	Met. Equipt.
006 †† Andalusia Star ...	M.-S.	006*† Hurunui ...	S.	Ingoma ...	M.	to 197*† Ingoma ...	M.
Australia Star M.V.	M.	197†† Mantua ...	M.-S.	286*† Natia ...	M.	to 257*† Natia ...	M.
City of Canberra ...	M.	257†† Rangitata M.V. ...	M.-S.				
Tongariro ...	S.						

NOTICES TO MARINE OBSERVERS.

WEATHER REPORTS

The Masters of all foreign going British ships registered in Great Britain and Northern Ireland are requested to make routine wireless weather reports to all ships or the specified coast W.T. stations, when and where there are not selected ships to perform the service, following the procedure of British selected ships.

These reports made in conformity with the voluntary services specified in Article 35 of the Convention for Safety of Life at Sea, are of assistance to navigation, and to the respective Meteorological institutions for many purposes.

The necessary instructions and Tables for coding are given in a pamphlet, M.O.329, which may be obtained from His Majesty's Stationery Office, through any bookseller, price 6d.

A special list of coast W.T. stations detailed to receive these reports will be found on pages 150 to 151, Volume II, Admiralty List of W.T. Signals, 1934, amendments and additions last notified in Admiralty Notice to Mariners of 10th November, 1934, No. 45, pages 43 to 45.

A Handbook of Weather, Currents and Ice for Seamen can now be purchased from H.M. Stationery Office, price 4s.

This book is designed to assist the great majority of officers of the Merchant Navy.

The corps of Voluntary Marine Observers is requested to bring the above to the notice of the officers of ships which are not in the fleet list published in the "Marine Observer."

See also Admiralty Notice to Mariners week ending May 11th 1935, No. 19, page 8.

REPLENISHMENT OF STATIONERY ON BOARD OBSERVING SHIPS

In order that all observing ships may receive suitable supplies of stationery, the following forms are sent to these Commanders by post from the Air Ministry Publications Department monthly, according to the branch of work done by the ships, with the Marine Observer or Supplement.

Ships Meteorological Record ...	Form 911
Wireless Register ...	Form 138
Signal Pad ...	Form 139
Ice Report ...	Form 912
Blue Post Card... ..	Form 913

Sufficient of these forms are sent for recording and returning observations, allowing for observing ships being at sea upon an average of three weeks in four throughout the year.

The Meteorological Log and Original Note Book are replenished by the Port Meteorological Officers and Merchant Navy Agents as necessary.

Outline Charts, Barograph Forms, Forms for observation of Sea and Swell, &c., are supplied as necessary through the Port Meteorological Officers and Agents.

Some observing ships have found their monthly supply insufficient while others have found it too much. It will be a great assistance if principal observing officers will kindly notify the appropriate Port Meteorological Officer or Merchant Navy Agent, at the time when he makes his quarterly inspection of instruments, of any shortage; or if they will then return any stationery which is surplus to requirements to the Port Meteorological Office or Agency.

SHIPS' WEATHER REPORTS DESIRED FOR THE LOCAL PURPOSES OF METEOROLOGICAL SERVICES IN SOME REGIONS WHICH DO NOT COINCIDE WITH TIMES FOR OBSERVATION OR COMMUNICATION OF THE GENERAL WORLD WIDE SCHEME.

If for local reasons, British Ships are asked locally to report weather at times other than those of the routine times for British Selected Ships, they are requested to do so if convenient; but British Selected Ships, and British Ships carrying on the service where there are not selected

ships, should in such cases also report at the routine times laid down, so that there may always be a service of routine Weather reports made at schedule times for the benefit of navigation. (For schedule see M.O. 329 page 5).

LATE NOTICE.

Attention is directed to Notice No. 1374, Weekly Edition of Admiralty Notices to Mariners, for the week ending 17th August, 1935.

"A Fleet Synoptic Message for the Home Station" will be issued through the W/T stations at Cleethorpes and Gibraltar from September 9th, 1935, designed particularly to meet the requirements of H.M. Ships.

This Bulletin is such that it will meet the requirements of liners where there are more officers than in other ships to deal with these matters.

The British Weather Shipping Bulletin is for more general use in the Merchant Navy and Fishing Fleets for the region of the British Isles and will be continued unaltered.

It is hoped that these two Bulletins will meet the desires of every branch of the sea services.

LONDON

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE

To be purchased directly from H.M. STATIONERY OFFICE at the following addresses: Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any Bookseller

1935. Price 6d. Net.

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LONDON ... Captain L. A. BROOKE SMITH, R.D., R.N.R.,
Marine Superintendent.
Commander J. HENNESSY, R.D., R.N.R., Senior
Nautical Assistant.
Room 324, Adastral House, Kingsway, W.C.2.
(Telephone No.: Holborn 3434 Extension 421).
Nearest station Temple, District Railway.

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Meteorological Officer, P.L.A. Building, King
George V Dock (south side), London, E.16.
(Telephone No.: Albert Dock 2659. Telegraphic
Address: Barometric Aldock, London).

MERSEY ... Commander M. CRESSWELL, R.N.R., Port
Meteorological Officer, Dock Office, Liverpool.
(Telephone No.: Bank 8959. Telegraphic
Address: Meteorite, Liverpool).

Agents.

BRISTOL Captain T. JOHNSTON, Technical College, Cathays
CHANNEL Park, Cardiff. (Telephone No.: Cardiff 6813).

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and Towage Co., Ltd., 2, Commercial Street,
Leith.

HONG KONG, Lieut. Commander M. V. KEOGH, R.N., Chart
China. Depot, H.M. Dockyard.
(Telephone No.: 108 Dockyard).

HUMBER... Captain A. M. BROWN, Ellerman Wilson Line
Office, Hull. (Telephone No.: Central 16180).

SOUTHAMPTON Captain Sir BENJAMIN CHAVE, K.B.E. Room 35
Royal Mail Buildings.

SYDNEY, Commander G. D. WILLIAMS, D.S.O., R.D., R.N.R.
New South Wales. Captain G. B. MERCER.
Customs House. (Telephone No.: B6421).

TYNE ... Captain J. J. MCEWAN, Marine School, South
Shields.

DERELICTS AND FLOATING WRECKAGE.

Date.	Position.		Description.	Date.	Position.		Description.
	Latitude.	Longitude.			Latitude.	Longitude.	
ENGLISH CHANNEL.				NORTH ATLANTIC—(contd.)			
6.9.25	49°20'N.	4°28'W.	Drifting iron buoy.	2.9.35	35°55'N.	47°47'W.	Drifting light and whistle buoy painted red.
NORTH ATLANTIC.				8.9.35	46°32'N.	6°28'W.	Log, dangerous to navigation.
1.9.35	37°07'N.	44°17'W.	Whistle buoy.				

CHART OF THE WESTERN NORTH ATLANTIC.

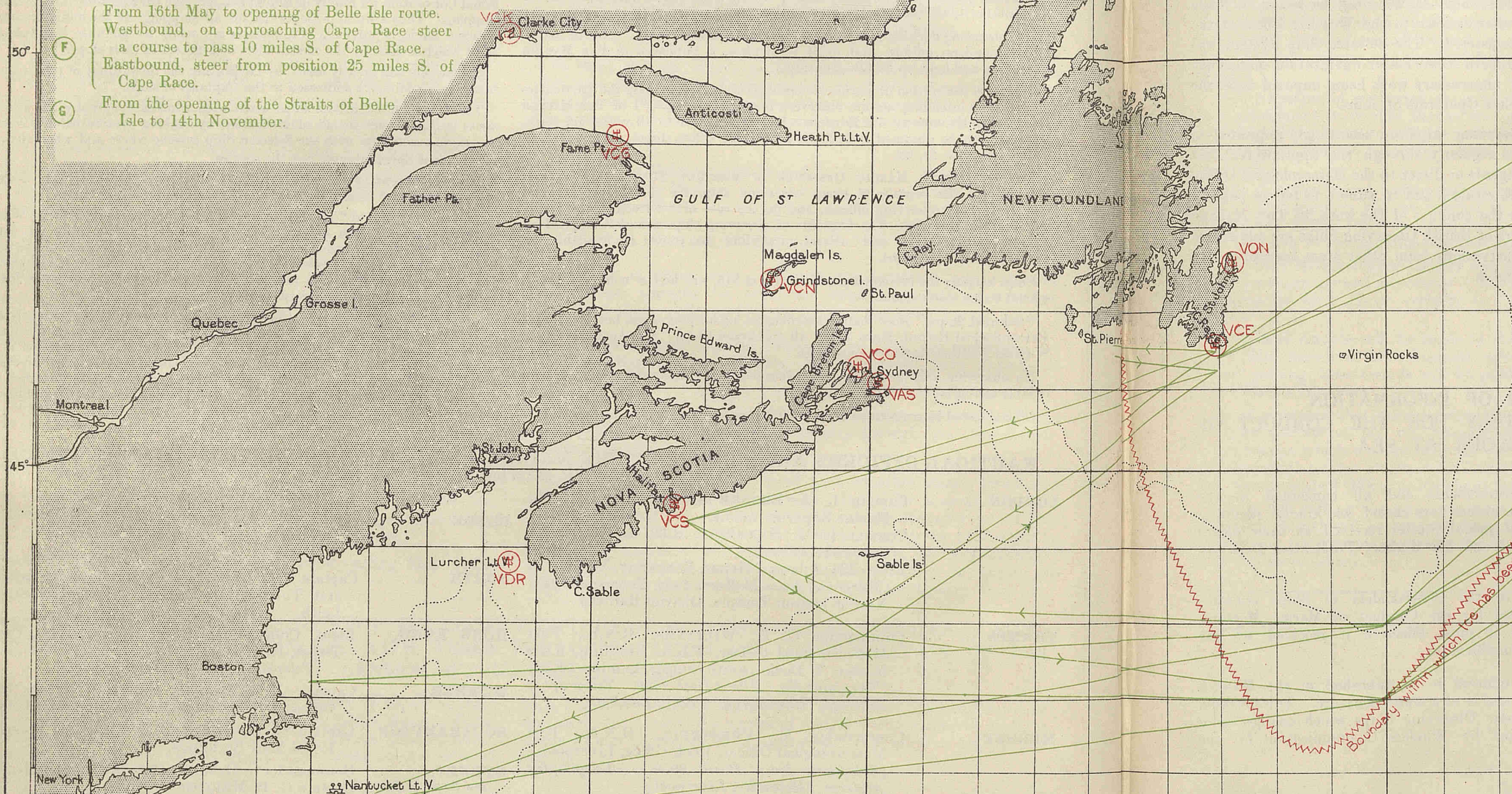
Showing the North Atlantic Lane Routes in force during OCTOBER as laid down by the Trans-Atlantic Track Convention. If at any time, owing to abnormal ice conditions, any alteration to the usual tracks is considered advisable by the track convention, particulars will be published on this chart. For full information concerning the North Atlantic Lane Routes see pages 72 and 73 of the April, 1935 number.

The periodic boundary within which ice has been observed is shown and a list of phenomenal positions of ice observed in the North Atlantic during OCTOBER is given. Ice sighted between SEPTEMBER 1st and 20th, 1935 is indicated by symbol in the position reported, the figure giving the day of the month in September. Information regarding ice conditions in Greenland waters and the Gulf of St. Lawrence will be published when available. Coastal wireless stations, with their call signs, which transmit ice signals are indicated by the symbol (H).

Ice symbols used on the chart:— Iceberg, growler, Field or other flat ice.

LANE ROUTES IN FORCE DURING OCTOBER.

- (C) From 1st July to 10th April inclusive.
- (F) From 16th May to opening of Belle Isle route. Westbound, on approaching Cape Race steer a course to pass 10 miles S. of Cape Race. Eastbound, steer from position 25 miles S. of Cape Race.
- (G) From the opening of the Straits of Belle Isle to 14th November.



PHENOMENAL POSITIONS OF ICE.

Date.	Ship or Source of Report	Position. Lat.	Long.	Remarks.
Oct. 15, 1883	S.S. Elenora	37°00' N.	18°00' W.	Piece ice.
" 8, 1912	S.S. Putney Bridge	35°15' N.	44°50' W.	Small berg 35 ft. long, 6 ft. high.
" 27, 1916	S.S. Montreal	51°17' N.	41°17' W.	Small berg.
" 2, 1918	U.S. Hyd. Bulletin	50°10' N.	40°50' W.	Large berg.
" 19, 1920	Do.	45°22' N.	40°00' W.	Berg.
" 17, 1921	S.S. Mt. Vernon	48°23' N.	42°18' W.	Berg about 70 ft. high, 400 ft. long.
" 6, 1922	S.S. Christian Krogh	50°43' N.	40°42' W.	Berg 60 ft. high.
" 7, 1923	S.S. Eastern Dawn	40°46' N.	65°54' W.	Large growler about 100 ft. square.
" 23, 1927	Trawler, Grecian Empire.	30 mls. E.S.E. of Outer Shetlands		Piece of ice 100 ft. long, 6 ft. above water.
" 4, 1934	S.S. Imperial Valley	36°16' N.	20°26' W.	Growler, approx. 15 ft. by 3 ft.

ICE IN GREENLAND WATERS.
INFORMATION RECEIVED BY CABLEGRAM FROM DANISH METEOROLOGICAL INSTITUTE, COPENHAGEN.

Saturday, 14th September.—"Free of ice 40 miles off Cape Farewell. Julianehaab Bay, free of ice."

NOTICES TO MARINE OBSERVERS.

ADDITIONAL REMARKS.

Marine observers are asked to make full use of the space entitled "Additional Remarks" in the Ship's Meteorological Record Form 911, and the Meteorological Log, Form 915, *when circumstances apply*.

When there are unusual, extraordinary, or spectacular phenomena of the sea and the air, or life in them (birds and fishes) it is desirable that these should be clearly and accurately described, and if possible photographed or drawn.

When the skilled use of intelligence of weather, currents, or ice has aided navigation, these experiences should be carefully and clearly recorded.

A small selection of two or three Weather Charts made during a voyage, which have been the means of forecasting weather subsequently experienced, should be carefully completed in Indian ink, and included, together with additional remarks describing the circumstances briefly.

Experiences, in heavy weather, particularly good or economic passages made, rescues, salvage, if well described, will be of great interest.

Such additional remarks, photographs, sketches, weather charts and diagrams neatly executed and clearly worded, are invaluable in developing the service in aid of navigation; a good selection of which, published in the Marine Observer's Log of THE MARINE OBSERVER, redounds to the advantage of the British Merchant Navy.

COVER FOR MARINE OBSERVER.

Marine observers, regular recipients and subscribers to this Journal are informed that a binding cover for Volume XII of "The Marine Observer" may be obtained from H.M. Stationery Office, through any bookseller, price 2s.

The arrangements for assembling the numbers for binding is described in this number page 137.

It should be clearly understood that this cover is not the cover used for binding "Excellent" awards, which is far superior: but it will be found to be of good quality and a useful means of preserving the yearly numbers, for which a title page is issued with each October number.

H 2185

AVOID UNNECESSARY DUPLICATION OR MULTIPLICATION OF VOLUNTARY WORK AT SEA.

The special attention of commanders of British ships is invited to THE MARINE OBSERVER'S HANDBOOK (1930) p. 10, paragraph 5 which reads as follows:—

"All observations are available by mutual arrangement for exchange with colonial and foreign meteorological services, and are, therefore, made according to agreement reached through the International Commission for Marine Meteorology."

In order that voluntary meteorological work at sea should not be duplicated or multiplied, it was agreed in 1929 by the International Meteorological Conference that ships should only be asked to make written returns of routine observations to the Weather Office of the country in which they were registered. The Selected Ship System was agreed to internationally in order to secure better organization, uniformity of practice and prevention of unnecessary work being imposed upon the Commander, Officers or Wireless Operators of ships.

Commanders of British observing ships are accordingly requested to send in their written returns regularly through the appropriate Port Meteorological Officers and Agents or direct to the Meteorological Office, London (as indicated on those returns) and to adhere as far as possible to the advice given them, for the conduct of the work, in THE MARINE OBSERVER. The Commanders of British Observing Ships are advised to refer requests for written observations from other state institutions to the Meteorological Office, London.

DESPATCH OF INFORMATION REQUIRED IMMEDIATELY FOR THE CONDUCT OF THE WORK AT SEA.

Shipowners, Marine Superintendents and all concerned in the despatch of mails to Ships abroad are asked to kindly facilitate the despatch and delivery of postal matter received at their offices from the Meteorological Office and Air Ministry Publication Depot to their Ships abroad

This matter addressed to the Commanders of Ships contains information which is required for the Conduct of Marine Meteorological Work at Sea and is most effective if received by the Commanders at the earliest possible date

Much of the information referred to is published in the MARINE OBSERVER and Supplements, and is of a seasonal nature. This journal also contains advice to Regular Observing Ships which enables them to perform voluntary service by Wireless Communication for the benefit of all shipping.

FLEET LIST.

VOLUNTARY OBSERVING SHIPS.

The following is a complete list of British observing ships regularly carrying out voluntary services of marine meteorology with the guidance of the Marine Division of the Meteorological Office.

The names of the Captains and observing officers of observing ships, and the Senior Wireless Operators of Selected Ships are given, as ascertained from the last written return received.

Meteorological Logs, Records, and W/T Weather Registers received between the dates specified at the head of the seventh column are acknowledged by Form number, with commencing and ending dates of period covered by the returns; the date when the last return was received being given in the eighth column.

The Captains of observing ships are requested to take this acknowledgment in cordial thanks and grateful recognition to them and their observing officers and wireless operators for the returns made and the voluntary service rendered in all parts of the world.

The classification of meteorological logs and Selected Ships' records and registers will be notified to the Captains by post card Form 1343. Only in exceptional cases will individual letters be sent to the Captains of observing ships.

The Port Meteorological Officers and Merchant Navy Agents at the ports are advised as necessary, and they will, as necessary, communicate such advice verbally by personal call upon the Captain.

Excellent Awards will be made at the end of the financial year. The names of the Captains and Principal Observing officers gaining these awards will be published in a special list in the Marine Observer.

It is requested that prior notification of changes of service, probable periods of lay up, transfer of Captains, or other circumstances which may prevent the continuance of voluntary meteorological service at sea, may be made to the appropriate Port Meteorological Officer or Merchant Navy Agent.

Ships not making the appropriate written returns within a reasonable period will be removed from the list, steps taken to recover any instruments lent, and the free issue of the Marine Observer discontinued.

The number of voluntary observing ships is limited to a maximum total of 360.

The number of Selected Ships detailed to carry out the voluntary service provided for in Clause (C) of Article 35 of the Convention for Safety of Life at Sea, Merchant Shipping (Safety and Load Line Conventions) Act, 1932, is determined by the British proportion of the world's tonnage; and is at present 285.

Captains are requested to point out any errors which may occur in the list.

Explanation of Abbreviations.

The number appearing before the name of an observing ship in this list is her number for the time being as a British Selected Ship.

†† indicates fitted with wireless telegraphic apparatus for long range, long wave, continuous wave transmission and reception.

*† indicates fitted with wireless telegraphic apparatus for transmission and reception; fitted for reception only of long range, long wave, continuous wave.

M.V. = Motor Vessel.

S.T. = Steam Trawler.

Ships having no such letters after their names are steamships.

M.L. = Equipped with a complete set of tested instruments lent by the Meteorological Office for keeping the meteorological log.

M = Ships' own mercurial barometer, found to be sufficiently accurate and reliable for the purpose of observation for making wireless weather reports.

S. = Partly or wholly equipped with tested instruments lent by the Meteorological Office for the purpose of carrying out the duties of a Selected Ship, when detailed to do so.

A. = Ships' own aneroid.

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteorological Instrument Equipment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received
122 †† <i>Acera</i> , M.V. ...	J. C. Shooter ...	J. E. Dutton, R. M. Monroe...	G. Arrowsmith...	M.-S.	Elder Dempster...	Fms. 911 & 138 20.6.35 to 27.7.35	30.7.35
055 *† <i>Actor</i> ...	J. Bellett ...	C. C. Heaton, K. H. Davies, D. H. Gorddard.	R. Colbourne ...	M.	Harrison ...	" " 26.3.35 to 5.8.35	16.8.35
123 †† <i>Adda</i> , M.V. ...	J. H. Lawson ...	J. Richardson, H. L. Papworth.	A. L. J. Edwards	M.-S.	Elder Dempster...	" " 9.5.35 to 9.8.35	16.8.35
273 *† <i>Adrastus</i> ...	H. Goodacre ...	T. A. Kent, S. C. Llewellyn, T. Gray.	C. K. Proctor ...	M.L.	A. Holt ...	Fm. 915 15.12.34 to 27.4.35	3.7.35
090 *† <i>Aeneas</i> ...	J. Hatfield ...	G. Drake, F. H. Barley, R. E. Huggins.	I. E. Jones ...	S.	A. Holt ...	Fms. 911 & 138 31.12.34 to 18.4.35	23.4.35
166 *† <i>Agamemnon</i> , M.V.	J. G. Reynard ...	G. H. Smith, T. R. Walker, G. Drake.	A. C. Nevin ...	"	" ...	" " 3.6.35 to 25.6.35	29.7.35
<i>Aidan</i> ...	C. Saxton ...	D. S. Davies, J. Whayman, A. R. Gerrard.	" ...	M.L.	Booth ...	Fm. 915 20.3.35 to 22.7.35	1.8.35
065 †† <i>Akaroa</i> ...	W. G. Summers ...	J. F. Stroud, H. R. Dunnet, W. L. Wood	J. A. McAskill	S.	Shaw Savill ...	Fms. 911 & 138 19.4.35 to 30.7.35	16.8.35
032 †† <i>Alaunia</i> ...	E. J. Rodgers, R.D., Capt. R.N.R.	A. J. Cuthill, R. Conway, A. MacKellar.	H. E. Chamberlain.	"	Cunard White Star	" " 10.6.35 to 24.8.35	28.8.35
129 †† <i>Alcantara</i> ...	B. Shillitoe, R.D., Commr., R.N.R.	G. D. Bonner, K. M. Drake, F. Deveson.	C. McCarthy ...	"	Royal Mail ...	" " 8.5.35 to 29.8.35	4.9.35
178 *† <i>Alipore</i> ...	J. K. Chaplin, R.D., Commr., R.N.R.	W. T. C. Lethbridge, G. D. Copeland, K. P. Nair.	C. Wolf ...	M.	P. & O. ...	" " 19.4.35 to 20.6.35	22.7.35
175 †† <i>Almanzora</i> ...	T. J. C. Buret, D.S.C....	T. Davies, W. S. Thomas, E. N. Gilles.	J. Caldwell ...	S.	Royal Mail ...	" " 16.6.35 to 29.7.35	31.7.35
086 †† <i>Almeda Star</i> ...	H. C. Howard ...	R. M. Scott, W. White, W. Mortimer.	N. Austin ...	M.-S.	Blue Star ...	" " 29.4.35 to 12.6.35	17.6.35
022 *† <i>Alynbank</i> , M.V.	D. Gillies ...	S. Morris, J. G. Donald, G. Linfield.	N. G. Swanson...	M.L.	A. Weir ...	Fm. 915 19.11.34 to 13.5.35	20.6.35

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteorological Instrument Equipment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received.
160 *† <i>Amarapooru</i> ...	W. C. C. Plage ...	C. C. Weir, R. Treasurer, J. Thomson.	A. Douglas ...	S.	Henderson ...	Fms. 911 & 138 25.2.35 to 30.8.35	4.9.35
006 †† <i>Amsterdam</i> ...	B. M. Stone ...	R. Wright ...	D. T. Wright ...	M.S.	L. & N. E. Rly....	Telegraphic Report 5.9.35	5.9.35
209 †† <i>Andalucia Star</i> ...	R. Vernon ...	G. McPherson ...	C. F. G. Taylor ...	M.L.	Blue Star ...	Fm. 915 ... 31.1.35 to 17.5.35	30.7.35
120 †† <i>Aorangi</i> , M.V. ...	J. F. Spring-Brown ...	E. M. Anderson, L. P. Bourke, J. W. S. Madden.	J. Rea ...	M.S.	Canadian-Australasian. Elder Dempster	Fms. 911 & 138 22.5.35 to 9.8.35	26.8.35
029 †† <i>Appam</i> ...	T. Spence ...	C. V. Evans, L. Collings ...	R. J. Dowling ...	S.	" " ...	" " 5.6.35 to 14.7.35	17.7.35
017 †† <i>Aquitania</i> ...	P. Sola, D.S.O., R.N.R.	J. A. Cleeton, B. C. Haigh, R. Clark.	A. H. Farman ...	"	Cunard White Star	" " 31.5.35 to 28.8.35	3.9.35
115 †† <i>Arandora Star</i> ...	R. V. Peel, R.D., Commr., R.N.R.	G. H. Norris, D. McLean, C. A. Dives	J. T. Williams ...	M.S.	Blue Star ...	" " 16.5.35 to 29.8.35	3.9.35
114 *† <i>Ariguani</i> ...	E. W. Moulton ...	E. Prickett, G. Brunton, A. McDougall.	B. M. Evans ...	S.	Elders & Fyffes	" " 11.5.35 to 1.9.35	5.9.35
039 †† <i>Arlanza</i> ...	J. A. Wallis ...	G. McKee, G. E. Hargreaves, W. Ireland.	W. Smith ...	"	Royal Mail ...	" " 22.5.35 to 25.8.35	29.8.35
091 †† <i>Armada Castle</i> ...	Q. Schlanbusch ...	M. J. Morton, J. Smith, G. M. Fletcher.	G. Willings ...	"	Union Castle ...	" " 27.4.35 to 16.6.35	17.6.35
095 †† <i>Arundel Castle</i> ...	A. O. Morgan, R.D., Commr., R.N.R.	P. Clissold, W. J. Chalmers	A. Donkin ...	"	" " ...	" " 4.5.35 to 25.8.35	28.8.35
233 †† <i>Ascania</i> ...	G. J. Whitfield ...	P. G. McIver, J. Clutterbuck	R. L. Ottley ...	"	Cunard White Star {	Fm. 912 " 20.5.35 to 30.8.35	5.9.35
280 *† <i>Astronomer</i> ...	J. J. Myles, R.D., Commr., R.N.R.	E. J. R. Pollitt.	W. Goldsworthy	M.	Harrison ...	Fms. 911 & 138 20.5.35 to 30.8.35	5.9.35
013 †† <i>Asturias</i> ...	J. Richards ...	J. Pierce, D. Woolstenholme, G. F. Crispin.	T. Bradfield ...	S.	Royal Mail ...	" " 19.5.35 to 10.6.35	30.7.35
012 †† <i>Atlantis</i> ...	A. Purvis ...	E. Sandys, J. H. Rous, J. G. Thomas.	N. Chick ...	M.S.	" " ...	" " 2.6.35 to 7.7.35	9.7.35
<i>Australia Star</i> , M.V.	F. R. Miles, R.D., Capt. R.N.R.	H. Chamberlain, R. Holland.	" " ...	"	" " ...	" " 27.5.35 to 14.8.35	20.8.35
133 †† <i>Avelona Star</i> ...	T. Williams ...	J. Davis ...	" " ...	M.	Blue Star ...	" " ...	"
045 †† <i>Avila Star</i> ...	G. E. Hopper ...	F. W. Brown, J. A. Coldwell, K. Laycock.	S. J. J. Scott ...	M.S.	" " ...	" " 6.5.35 to 17.7.35	20.8.35
068 †† <i>Balmoral Castle</i> ...	R. J. Thomas ...	E. Lowndes, H. Austin, E. L. Barnes.	B. King... ...	"	" " ...	" " 19.5.35 to 4.7.35	6.7.35
179 *† <i>Balranald</i> ...	C. Le Brocq ...	J. B. McReynolds, J. Wilford, A. H. Parry.	J. Sharp ...	S.	Union Castle ...	" " 2.6.35 to 20.7.35	23.7.35
248 *† <i>Banffshire</i> ...	H. Williams ...	L. Cook, D. C. Swabey, N. W. Leach.	E. Whibley ...	M.	P. & O. Branch	" " 12.4.35 to 20.7.35	6.8.35
180 *† <i>Baradine</i> ...	A. W. P. Gibb ...	R. F. Carter ...	H. Brenholg ...	"	Turnbull Martin	" " 14.1.35 to 12.3.35	20.5.35
037 *† <i>Baronesa</i> ...	W. D. C. Smith ...	R. G. Wood, M. G. Morris, F. Collinson.	E. Howard ...	"	P. & O. Branch	" " 14.4.35 to 19.7.35	24.7.35
181 *† <i>Barrabool</i> ...	R. W. Compton ...	H. W. Brammall, F. W. Kent, J. R. Faulkner.	H. H. Tanner ...	"	Houlder ...	" " 8.4.35 to 12.6.35	15.6.35
070 *† <i>Bayano</i> ...	J. S. Sheepwash ...	J. D. Strike, P. G. Lawrence, C. V. Collingwood.	C. T. Seaton ...	"	P. & O. Branch	" " 15.5.35 to 10.8.35	20.8.35
183 †† <i>Bendigo</i> ...	R. A. Thorburn, R.D., Commr., R.N.R.	W. Butcher, G. M. Binks ...	R. A. Oakley ...	S.	Elders & Fyffes	" " 8.5.35 to 31.8.35	5.9.35
237 †† <i>Berengaria</i> ...	F. N. Wyatt ...	H. T. Rigden, W. Alexander, J. Shears.	A. V. Littlecot... M.S.	"	P. & O. Branch	" " 9.6.35 to 13.7.35	20.8.35
145 *† <i>Bervickshire</i> ...	Sir E. T. Britten, Kt., R.D., Commr., R.N.R.	J. V. Locke, W. L. P. Cox, N. A. Kingscote.	J. N. Cragg ...	S.	Cunard White Star	" " 13.6.35 to 22.8.35	26.8.35
<i>Birchbank</i> , M.V.	E. H. Evans ...	E. Coulthart, J. C. Robertson, E. J. Brittain.	F. Smith ...	"	Turnbull Martin	" " 28.5.35 to 28.6.35	1.7.35
007 *† <i>Bradfyne</i> ...	R. B. Ellis ...	F. A. Munday, A. F. King, N. Maughan.	" " ...	M.L.	A. Weir ...	Fm. 915 30.9.34 to 14.8.35	22.8.35
<i>Brighton</i> ...	R. Pearce ...	T. G. Newby, P. Evans, C. Fairney.	R. Kempe ...	S.	Reardon Smith ...	Fms. 911 & 138 2.7.34 to 6.7.35	10.7.35
057 †† <i>Britannic</i> , M.V.	W. Lidbetter ...	E. Balcombe ...	A. Jones ...	"	Southern Rly. ...	Telegraphic Report 4.9.35	4.9.35
269 *† <i>British Admiral</i> ...	W. A. Hawkes, C.B.E., R.D., A.D.C., Capt. R.N.R.	G. T. Kavanagh, E. Cornwall, H. L. Pryse.	J. B. Stone ...	"	Cunard White Star {	Fms. 911 & 138 20.5.35 to 5.8.35	8.8.35
038 *† <i>British Corporal</i> ...	H. Faulkner ...	C. Thompson, F. F. Fryden, D. Harris.	F. Horsville ...	M	British Tankers	Fms. 911 & 138 20.5.35 to 5.8.35	8.8.35
242 *† <i>British Enterprise</i> ...	J. H. Sloan ...	W. C. Wall, W. P. Booth.	G. R. Upton ...	"	" " ...	" " 22.5.35 to 25.7.35	7.8.35
249 *† <i>Buteshire</i> ...	L. Atthill ...	H. A. Scott, G. C. Bates, E. Reade.	J. J. Murphy ...	"	" " ...	" " 23.5.35 to 20.8.35	3.9.35
031 †† <i>Caledonia</i> ...	C. A. I. Laird ...	P. McMillan, P. H. Hill, A. C. MacIntyre.	W. Whimmell	S.	Turnbull Martin	" " 25.5.35 to 14.8.35	24.8.35
139 †† <i>California</i> ...	A. Collie ...	— Squires, R. Blake, T. K. McMillan.	J. F. Reid ...	"	Anchor ...	" " 18.12.34 to 1.4.35	25.4.35
<i>Cambria</i> ...	R. W. Smart ...	J. F. Adam, E. Stormont, R. S. Paton.	D. Thompson ...	"	" " ...	Fms. 911 & 138 23.6.35 to 25.8.35	29.8.35
259 *† <i>Canonesa</i> ...	E. B. Turner ...	F. G. Manning ...	J. Pritchard ...	"	L.M. & S. Rly. ...	Fms. 911 & 138 26.5.35 to 17.8.35	24.8.35
117 *† <i>Cape of Good Hope</i> M.V.	W. H. Brodie ...	J. R. Ramanes, W. L. Baker, Q. Davies.	P. Francis ...	M.	Houlder ...	Fm. 912 26.5.35 to 6.7.35	9.7.35
266 †† <i>Carinthia</i> ...	T. A. Jacobson ...	D. Perry, W. D. Wilson.	H. J. Coates ...	S.	Lyle S.S. Co. ...	Telegraphic Report 17.8.35	17.8.35
092 †† <i>Carnarvon Castle</i> , M.V.	P. A. Murchie, O.B.E., R.D., Capt., R.N.R.	P. L. Williams, G. S. H. Hutchison, H. H. Hudson.	H. Harvey ...	"	Cunard White Star	Fms. 911 & 138 3.7.35 to 30.7.35	20.8.35
155 †† <i>Carthage</i> ...	C. E. Stuart, R.D., Capt., R.N.R.	C. H. Pettitt, F. R. Pape, J. M. Goode.	G. Scurr ...	"	Union Castle ...	" " 20.3.35 to 20.6.35	2.8.35
184 †† <i>Cathay</i> ...	H. M. Jack ...	H. J. Cholerton, J. L. Dunkley, C. P. Edwards.	F. Rose ...	M.S.	P. & O. ...	" " 13.8.35 to 31.8.35	5.9.35
011 †† <i>Ceramic</i> ...	C. B. Roche ...	R. E. Cowell, G. L. Farnfield, G. F. Halliday.	H. Dawson ...	"	" " ...	" " 9.6.35 to 28.7.35	30.7.35
191 *† <i>Chindwin</i> ...	H. C. Elford ...	G. F. Cresswell, G. Roe, B. M. Hill.	W. Ross ...	S.	Shaw, Savill & Albion Henderson	" " 12.5.35 to 13.8.35	21.8.35
067 *† <i>Chinese Prince</i> ...	G. Paterson ...	J. S. Whitehead, A. E. Hughes, J. Stevenson.	A. C. Headley ...	"	Furness Withy ...	" " 19.5.35 to 21.8.35	26.8.35
192 †† <i>Chitral</i> ...	F. T. Pearson ...	A. L. Wiles, J. Hennessey, W. R. M. Hill.	S. R. Stewart ...	M.L.	" " ...	" " 20.1.35 to 9.5.35	14.5.35
051 *† <i>City of Auckland</i> ...	H. Elliott Smith, R.D., R.N.R.	H. J. M. Perry, J. C. Langton	P. Rowley ...	M.S.	P. & O. ...	" " 6.5.35 to 18.7.35	10.8.35
	H. G. Jenkins, O.B.E.	C. Wilks, J. H. Brown ...	K. Rolston ...	S.	Ellerman ...	Fm. 915 14.12.34 to 15.4.35	3.7.35
						Fms. 911 & 138 20.4.35 to 26.7.35	29.7.35
						" " 19.5.35 to 22.7.35	26.8.35

FLEET LIST

iii

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteorological Instrument Equipment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received
135 *† <i>City of Barcelona</i>	W. Hill ...	J. G. Jackson, R. Jeffers, L. Williams	J. B. Ellis-Eddon	M.	Ellerman...	Fms. 911 & 138 13.4.35 to 13.6.35	17.6.35
265 *† <i>City of Baroda</i>	L. Nicoll ...	J. F. Macauley, A. H. G. Jones, A. Ecclestone.	C. Smith ...	S.	" ...	" 17.5.35 to 6.8.35	16.8.35
158 *† <i>City of Cairo</i> ...	A. N. Hogg ...	W. H. Dalton, H. Griffith, G. L. Walworth.	G. A. Waring ...	M.	" ...	" 3.6.35 to 14.8.35	20.8.35
<i>City of Canberra</i>	H. R. Jackson ...	G. C. Longfield. ...	" ...	"	" ...	Fm. 911 8.8.35 to 17.8.35	29.8.35
282 *† <i>City of Canton</i> ...	J. H. Rutter ...	D. Lamb, R. Broadbent, E. Paton.	T. Foster... ..	"	" ...	Fms. 911 & 138 23.5.35 to 4.7.35	7.8.35
157 *† <i>City of Delhi</i> ...	J. Wyper ...	W. MacAdam, J. Muir, R. L. Hodgson.	J. Bunbury ...	S.	" ...	" 28.2.35 to 8.8.35	28.8.35
030 *† <i>City of Dieppe</i>	H. Cartwright ...	W. G. Baillie ...	D. R. Menzies ...	"	" ...	" 1.7.35 to 21.7.35	21.8.35
049 *† <i>City of Evansville</i>	D. O. Evans ...	A. G. Daniels ...	F. J. Clynn ...	M.	" ...	" 5.5.35 to 6.8.35	24.8.35
220 †† <i>City of Exeter</i> ...	D. M. Bremner ...	J. Wotherspoon, W. S. Jackson.	L. Hugo ...	S.	" ...	" 3.6.35 to 5.8.35	9.8.35
089 *† <i>City of Hereford</i>	E. Readwin ...	H. A. Rose. ...	R. Allan ...	M.	" ...	" 19.2.35 to 24.4.35	29.4.35
028 †† <i>City of London</i> ...	J. G. Brown ...	B. E. Hooper, V. Wilson, E. W. Gillies.	J. Lyons ...	S.	" ...	" 17.2.35 to 30.4.35	21.5.35
256 *† <i>City of Lyons</i> ...	F. Penberthy ...	J. Stevenson, A. Cran, W. E. Barnett.	S. Lindsay ...	M.	" ...	" 11.5.35 to 26.8.35	3.9.35
066 †† <i>City of Nappur...</i>	N. McNeil, O.B.E.	E. Walton, F. Revel, W. Gibb.	A. E. Dowe ...	S.	" ...	" 8.4.35 to 19.5.35	14.6.35
074 †† <i>City of Paris</i> ...	N. McNeil, O.B.E.	R. McDougal, H. H. Asher.	H. Peever ...	"	" ...	" 23.6.35 to 22.8.35	26.8.35
271 *† <i>City of Roubaix</i>	W. Gray ...	T. L. Vaughan, H. N. Jones, K. MacKenzie-Hamilton.	G. Lister ...	M.	" ...	" 2.5.35 to 27.7.35	3.8.35
272 *† <i>City of Singapore</i>	T. Cooper ...	J. Hatherly, S. Ayles, D. G. Robertson.	W. Dean ...	"	" ...	" 23.6.35 to 6.8.35	21.8.35
035 *† <i>City of Sydney</i> ...	E. G. Hoppins...	S. Brett, P. G. A. King, C. Collard.	L. H. Leach ...	"	" ...	" 14.4.35 to 16.6.35	17.6.35
167 *† <i>City of Tokio</i> ...	G. Burton ...	G. R. Jackson, S. C. Hoare, R. Jones.	F. Forsyth ...	S.	" ...	" 12.3.35 to 12.7.35	19.7.35
<i>City of Winchester</i>	E. Mason ...	J. Ingoldsby, A. G. Freeman, C. Walker.	" ...	"	" ...	" 25.4.35 to 30.7.35	24.8.35
125 *† <i>City of Windsor</i>	E. E. Bulkeley ...	J. Midlen, J. Underdown, W. T. Cain.	J. G. Wood ...	"	" ...	" 23.5.35 to 31.7.35	20.8.35
<i>City of Yokohama</i>	A. V. Radcliffe...	F. J. R. Poore.	" ...	"	" ...	" 5.5.35 to 17.8.35	26.8.35
027 *† <i>Clan Farquhar</i> ...	R. M. Robertson ...	T. A. Watkinson, J. Browne, G. W. Spiller.	J. Morrison ...	M.	Clan " ...	" 3.5.35 to 17.6.35	22.6.35
050 *† <i>Clan Macalister</i>	F. J. Stenson, R.D., A.D.C., Capt., R.N.R.	R. A. Harris, H. Lewis, J. St. J. Thompson.	L. F. Reed ...	S.	" ...	" 8.7.35 to 26.7.35	20.8.35
241 *† <i>Clan Macbeth</i> ...	H. Andrews ...	H. Whitehead, A. V. Howard, I. W. M. Gill.	A. J. G. Sayer ...	"	" ...	" 8.1.35 to 13.4.35	18.4.35
222 *† <i>Clan Macdougall, M.V.</i>	L. F. Redford, R.N.R.	K. M. Banks, D. F. Sutton, M. E. Murphy.	G. Allan ...	"	" ...	" 11.2.35 to 11.6.35	8.7.35
101 *† <i>Clan Macfarlane</i>	W. J. Hughes ...	J. H. Wright, J. R. Moss, E. H. O. Stone, C. Rodger, R. Redford.	W. H. Stewart ...	"	" ...	" 22.4.35 to 13.7.35	19.7.35
118 *† <i>Clan Macindoe...</i>	H. Andrews ...	R. Armstrong, B. V. Brown, R. R. Baxter.	W. C. Munro ...	"	" ...	" 4.5.35 to 6.8.35	12.8.35
082 *† <i>Clan Macnair</i> ...	H. J. Giles, R.D., Capt., R.N.R.	H. F. Town, B. H. Magill, E. Coultas.	R. Newman ...	"	" ...	" 5.5.35 to 24.7.35	30.7.35
255 *† <i>Clan Macneil</i> ...	A. Low ...	J. Dulsan, R. G. Bagnall, H. Hind.	" ...	"	" ...	" 26.5.35 to 7.8.35	28.8.35
001 *† <i>Clan Macphee</i> ...	A. R. Cossar ...	H. R. Crosscombe, C. A. Homes, E. D. Cox.	E. T. Hitchings	"	" ...	" 13.5.35 to 2.8.35	7.8.35
168 *† <i>Clan Mactaggart</i>	W. F. West ...	R. K. Phillips, V. Green, J. M. Findlay.	G. Turner ...	"	" ...	" 11.3.35 to 1.4.35	23.4.35
002 *† <i>Clan Macwhirter</i>	T. M. Macfarlane ...	D. H. Brewer... ..	D. B. Carstairs...	"	" ...	" 12.2.35 to 10.5.35	7.6.35
003 *† <i>Clan Malcolm</i> ...	J. Pollock ...	A. Banks, H. C. Carter, F. B. Fairweather.	A. P. Goodman	"	" ...	" 1.7.35 to 9.7.35	19.7.35
283 *† <i>Clan Morrison</i> ...	R. P. Galer, R.D., Commr., R.N.R.	N. Stewart, R. Parker.	F. Robbie ...	"	" ...	" 28.5.35 to 10.8.35	21.8.35
279 *† <i>Clan Urquhart</i> ...	G. Young ...	T. Connolly, E. Needham, A. Cornell.	A. Butcher ...	M.	Booth ...	" 15.6.35 to 25.7.35	16.8.35
041 *† <i>Clydebank, M.V.</i>	W. Griffiths ...	A. Stafford-Watts, W. Smith, J. W. Robinson.	G. W. Dickson...	M.L.	A. Weir ...	Fms. 911 & 138 22.4.35 to 18.5.35	6.7.35
124 *† <i>Comeric</i> ...	W. Broome ...	C. R. Aitken, L. St. J. French, J. Mackay.	J. L. Ryder ...	"	" ...	" 12.5.35 to 13.6.35	4.7.35
016 *† <i>Comliebank, M.V.</i>	S. Currie ...	J. D. Green. ...	H. W. Jackson	"	" ...	" 6.4.35 to 11.7.35	13.7.35
185 †† <i>Comorin</i> ...	L. Parfitt ...	R. L. Bryde, J. H. Roberts.	" ...	M.-S.	P. & O. ...	Fm. 911 30.6.35 to 27.7.35	20.8.35
198 *† <i>Contractor</i> ...	D. L. Whyte ...	R. H. Barnes, D. Ashley, R. R. L. Rosoman.	V. T. Cole ...	M.	Harrison ...	Fms. 911 & 138 18.5.35 to 25.8.35	3.9.35
187 *† <i>Coptic, M.V.</i> ...	J. Avern, Commr. R.N.R.	H. Tee, J. T. Sheffield, L. J. Brown.	P. M. Edwards	S.	Shaw Savill & Albion.	" 16.6.35 to 21.7.35	3.9.35
258 †† <i>Corfu</i> ...	E. M. Coates ...	J. F. Wallis, R. Ingles, A. J. Turner.	R. V. McCreath	M.-S.	P. & O. ...	" 24.6.35 to 12.8.35	21.8.35
214 *† <i>Counsellor</i> ...	A. Frew ...	R. Warren, N. A. Thomas, J. W. Leslie.	C. E. Appleton...	M.	Harrison ...	" 24.1.35 to 2.5.35	24.5.35
036 *† <i>Cumberland</i> ...	T. L. Maltby ...	H. Fitz-Simmons, W. Pemberton, R. Ledger.	E. Slater ...	S.	Federal ...	" 19.4.35 to 30.6.35	8.7.35
285 *† <i>Custodian</i> ...	T. O'Connor ...	H. E. Evans, J. Marsland, J. B. Porter.	R. A. Newton ...	M.	Harrison ...	" 2.6.35 to 16.8.35	21.8.35
169 *† <i>Dalgoma, M.V.</i>	P. H. Beeching ...	F. Sherwood, H. F. Richardson, G. A. Tree.	W. A. Harrison	"	British India ...	" 2.2.35 to 1.6.35	12.6.35
<i>Dearne</i> ...	T. H. Woodhead ...	T. C. Cormack.	" ...	M.L.	Goole Stn. Shipping	Fm. 915 18.10.34 to 5.4.35	28.5.35
<i>Deebank</i> ...	J. K. Brook, D.S.O., R.D., Commr. R.N.R.	G. B. Gray, A. Cameron, C. E. Jolley, S. H. Diamond	" ...	"	A. Weir ...	" 6.5.35 to 14.7.35	25.7.35
138 *† <i>Designer</i> ...	W. A. Hansen ...	H. Turner, J. McPhail, G. Goodman.	J. Hughes ...	M.	Harrison ...	Fms. 911 & 138 7.5.35 to 11.6.35	22.7.35
061 *† <i>Devon</i> ...	J. Blencowe ...	H. Philpott, A. A. Johnson, J. R. Cowell.	R. O. Shaughnessy.	"	British India ...	" 19.5.35 to 27.7.35	6.8.35
284 *† <i>Director</i> ...	B. Worthington ...	E. B. Cutlack, F. C. Conolly, K. P. Kirkup.	J. Plunket ...	"	Harrison ...	" 26.4.35 to 24.6.35	4.7.35
221 *† <i>Domala, M.V.</i> ...	H. T. Cooke ...	J. McKie, J. D. Armstrong, H. V. Clarke.	J. Heatley ...	"	British India ...	" 10.5.35 to 22.7.35	24.8.35
103 †† <i>Doric</i> ...	A. C. Greig, O.B.E., R.D., Capt. R. N. R.	" ...	A. W. Davey ...	S.	Cunard White Star	"	

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteoro-logical Instrument Equip-ment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received.
136 *† <i>Doric Star</i> ...	S. N. Capon ...	J. L. Dawson, C. H. Watson, E. A. Irvine.	L. F. Reed ...	M.	Blue Star ...	Fms. 911 & 138 31.8.34 to 10.12.34	17.12.34
058 *† <i>Dorset</i> , M.V. ...	F. Ashworth ...	J. R. Ricketts, E. A. Rae, G. E. Mason.	E. K. Roberts ...	"	Federal ...	" " 27.11.34 to 3.4.35	4.5.35
142 †† <i>Duchess of Atholl</i> ...	A. H. Hall ...	E. V. Glennie, R. McKillop, C. Watt.	E. Murphy ...	M.-S.	Canadian Pacific	Fm. 912 " 3.6.35 to 17.7.35	27.7.35
152 †† <i>Duchess of Bedford</i> ...	G. R. Parry, R.D., Commr., R.N.R.	L. Outram, E. J. Oatridge, L. L. Thornton.	W. Davies ...	"	" "	Fms. 911 & 138 26.5.35 to 31.8.35	27.7.35
151 †† <i>Duchess of Richmond</i> ...	H. A. Moore, R.D., Commr., R.N.R.	W. P. P. Phillips, N. Scallan, R. Antrobus.	F. Yorston ...	S.	" "	Fm. 912 26.5.35 to 31.8.35	5.9.35
143 †† <i>Duchess of York</i> ...	W. B. Coyle, R.D., Commr., R.N.R.	J. Stewart, F. Stoll, R. Burns	J. W. Potts ...	M.-S.	" "	Fms. 911 & 138 2.6.35 to 3.9.35	5.9.35
<i>Duke of Argyll</i> ...	J. W. Richmond ...	H. Thompson, G. E. Willmott.	G. Poulton ...	S.	L.M.S. Railway...	Fm. 912 2.6.35 to 3.9.35	24.8.35
<i>Duke of Lancaster</i> ...	H. A. Tulley ...	W. Cole, N. Abram ...	F. Garrett ...	"	" "	Fms. 911 & 138 9.6.35 to 20.8.35	24.8.35
<i>Duke of Rothesay</i> ...	F. C. Raven ...	J. Irwin, H. Clarke ...	G. Pilling ...	"	" "	Telegraphic Report... 2.9.35	2.9.35
253 *† <i>Dunana</i> , M.V....	H. T. Hudson, R.D., Commr., R.N.R.	W. M. Bain, A. H. Usher, L. O. Harbortov.	H. Soulsby ...	M.	British India	" " 5.3.35 to 15.3.35	5.9.35
098 †† <i>Dunbar Castle</i> , M.V.	A. H. Blackman ...	J. G. W. Tilly, L. H. Farrow...	P. P. Williams...	S.	Union Castle ...	" " 8.6.35 to 10.8.35	13.8.35
052 *† <i>Dunster Grange</i> , M.V.	G. F. Wilson ...	E. G. Raynor, R. G. Williams, E. Monckton.	H. R. Broomfield	M.	Houlder ...	" " 1.7.35 to 18.7.35	16.8.35
102 *† <i>Duquesa</i> ...	C. R. Frost ...	A. McEwan, R. F. Martin, D. Murray.	H. Croker ...	"	Furness Withy ...	" " 14.6.35 to 25.6.35	29.6.35
215 *† <i>Durenda</i> , M.V....	A. A. Parker ...	J. W. Douglas, R. Billen ...	— Peeling ...	"	British India ...	" " 22.4.35 to 3.7.35	9.7.35
064 *† <i>Durham</i> , M.V....	H. L. Upton, D.S.C., R.D., Capt., R.N.R.	A. W. Marshall, H. C. R. Bell, W. S. V. Branch.	J. V. Stockman	"	Federal	Fm. 912 " 2.4.35 to 29.7.35	7.8.35
<i>Eastern Coast</i> ...	W. Quirk ...	F. Darby, T. Mara ...	...	M.L.	Coast Lines ...	Fm. 915 19.12.34 to 30.6.35	7.8.35
077 †† <i>Edinburgh Castle</i> ...	C. N. Bickford ...	H. H. Lloyd ...	A. G. Blow ...	S.	Union Castle ...	Fms. 911 & 138 15.6.35 to 4.8.35	7.8.35
107 *† <i>El Argentino</i> , M.V.	F. Ellis, D.S.C.	G. Brighton, H. N. Sherwell, J. G. Freeman.	J. Badcock ...	M.	Houlder ...	" " 31.3.35 to 29.5.35	31.5.35
009 *† <i>Elmworth</i> , M.V.	A. W. Gofton ...	L. Lidguard, P. McFarlane, V. Robson.	E. Digweed ...	"	R. S. Dalgleish ...	" " 16.12.34 to 27.3.35	13.5.35
109 *† <i>El Paraguay</i> ...	R. Owen ...	J. Knight, R. L. Aldridge ...	J. Hunt... ..	"	Houlder ...	" " 10.6.35 to 7.8.35	13.8.35
108 *† <i>Elstree Grange</i> ...	S. Mathews ...	C. Feaver, W. F. Heritage, G. Roberts.	A. G. Murray ...	"	" ...	" " 30.4.35 to 23.7.35	30.7.35
110 *† <i>El Uruguay</i> ...	T. McNamara ...	F. E. Hailstone ...	W. Hughes ...	"	" ...	" " 18.3.35 to 18.5.35	21.5.35
088 *† <i>Empire Star</i> ...	E. Fielding ...	H. Partridge, F. W. Grist, G. Leardie.	J. Jamieson ...	S.	Blue Star ...	" " 25.1.35 to 11.5.35	30.5.35
193 †† <i>Empress of Australia</i> ...	A. Rothwell ...	W. Thornburn, S. Keay, A. Tippetts.	J. Butler ...	"	Canadian Pacific	Fm. 912 " 13.6.35 to 23.8.35	29.8.35
034 †† <i>Empress of Britain</i> ...	R. N. Stuart, V.C., D.S.O., R.D., Commr., R.N.R.	D. Dunn, A. C. Harrison, N. Duck.	F. W. Bradley ...	"	" "	Fms. 911 & 138 21.6.35 to 26.6.35	9.7.35
154 †† <i>Empress of Canada</i> ...	A. J. Hosken, R.N.R.	E. Connerton, C. F. Alltree, G. Murrell.	J. Newberg ...	M.L.	" "	Fm. 915 2.4.35 to 7.8.35	3.9.35
153 †† <i>Empress of Japan</i> ...	L. D. Douglas, R.D., R.N.R.	J. S. Clarke, G. W. R. Graves, D. F. Olive.	J. McClure ...	"	" ...	" " 22.3.35 to 9.7.35	15.8.35
134 *† <i>Esperance Bay</i> ...	R. McKenzie ...	F. L. Kean ...	...	M.	Aberdeen Commonwealth. Scottish Fishery Board.	Fm. 911 22.7.35 to 14.8.35	24.8.35
<i>Explorer</i> , F.R.S.	F. G. Fraser ...	T. R. Ness, F. O. Sheeky ...	...	M.L.	Shaw Savill ...	Fm. 915 4.3.35 to 26.6.35	4.7.35
<i>Forisdale</i> ...	H. P. Thurston ...	L. B. Miller, W. G. H. Bolton, H. Ingledew, R. N. Wilkie, J. MacCallum.	...	S.	A. Weir ...	Fms. 911 & 138 19.1.35 to 11.5.35	20.5.35
239 *† <i>Foylebank</i> , M.V.	C. D. Logie ...	J. McAllease ...	J. Doyle ...	"	Cunard White Star	" " 3.6.35 to 21.7.35	26.8.35
046 †† <i>Franconia</i> ...	A. T. Brown, R.D., Capt., R.N.R.	W. B. Tanner, J. C. Boyce, F. E. Patchett.	T. C. Morrison...	"	Reardon Smith ...	" " 7.5.35 to 22.6.35	19.7.35
159 *† <i>Fresno City</i> , M.V.	B. D. Thomas ...	R. W. Davies, P. J. Ryan, E. Scott.	H. S. Reid ...	"	Cunard White Star	" " 3.6.35 to 16.8.35	20.8.35
186 †† <i>Georgie</i> , M.V. ...	J. C. Townley, R.D., Capt., R.N.R.	B. Harrison, J. H. Walker, F. P. Collins.	A. Johnson ...	M.L.	A. Holt ...	Fm. 915 9.11.34 to 3.3.35	8.7.35
234 *† <i>Glaucus</i> ...	H. D. Blamey ...	T. R. Walker, D. Rees, R. Martin.	W. Williamson...	S.	A. Weir ...	Fms. 911 & 138 17.4.35 to 30.7.35	3.9.35
026 *† <i>Glenbank</i> , M.V.	E. N. K. Blackmore ...	W. McBean, C. Sherwood, L. Thorne.	H. H. Ridgeway	M.	Glen ...	" " 11.3.35 to 22.6.35	15.7.35
126 *† <i>Glengarry</i> , M.V.	J. Angier ...	S. W. Bell, P. G. Neill, W. B. Whyte.	...	S.	Bibby ...	" " 3.6.35 to 9.8.35	16.8.35
<i>Gloucestershire</i> ...	Evans ...	R. Milne, A. Watson, L. Jones.	M. O'Rourke ...	M.	Houlder ...	" " 5.5.35 to 9.7.35	17.7.35
085 *† <i>Governor</i> ...	J. Davidson ...	A. O. Seybold, W. S. Ellis, E. J. L. Stone.	W. R. Bain ...	"	R. P. Houston ...	" " 22.5.35 to 27.7.35	21.8.35
111 *† <i>Hardwicke Grange</i> ...	W. H. Fowler ...	C. Hare, G. Sargeant, A. G. Beynon.	W. S. Armstrong	S.	Union S.S. Co., N.Z.	Fm. 915 29.12.34 to 11.4.35	15.6.35
218 *† <i>Harmonides</i> ...	F. R. Elwell ...	W. E. Jones, T. Stevenson, R. E. Suckling.	L. Trenn ...	M.L.	Federal ...	" " 13.1.35 to 29.4.35	13.5.35
262 *† <i>Hauraki</i> , M.V.	F. L. G. Jaunay ...	M. Willmott, H. Cockerill, N. Warren.	...	S.	L.M. & S. Railway	Telegraphic Report 10.8.35	10.8.35
171 *† <i>Hertford</i> ...	J. Burton Davies ...	J. Hughes ...	D. T. Rockey ...	"	Royal Mail ...	Fms. 911 & 138 18.4.35 to 9.8.35	20.8.35
<i>Hibernia</i> ...	J. R. Bulmer ...	W. Wake, J. H. Fitton, J. James.	A. Reynolds ...	M.-S.	" "	" " 30.5.35 to 14.7.35	20.7.35
182 †† <i>Highland Brigade</i> , M.V.	C. A. Cocks, D.S.C., R.D., Capt., R.N.R.	J. Scott, G. S. Grant, A. Ballardie.	T. Desboro ...	"	" "	" " 13.5.35 to 2.7.35	8.7.35
116 †† <i>Highland Chieftain</i> , M.V.	J. A. Hodges, R.D., Commr., R.N.R.	R. N. Fletcher, T. Bolland, N. F. Seaton.	E. F. Weatherhead.	"	" "	" " 1.5.35 to 25.8.35	5.9.35
099 †† <i>Highland Monarch</i> , M.V.	R. G. Clayton, D.S.C., R.D., Capt., R.N.R.	P. Yeatman, W. Tennant, C. Webster.	N. Carpenter ...	"	" "	" " 13.6.35 to 29.7.35	9.8.35
230 †† <i>Highland Patriot</i> , M.V.	R. H. Robinson ...	F. E. C. Cox, H. Davies, R. E. Slinn.	T. Stevens ...	"	" "	" " 10.5.35 to 18.8.35	24.8.35
250 †† <i>Highland Princess</i> , M.V.	A. E. Cornick ...	C. Hollyoak, W. Williams, J. Jackson.	A. R. Porter ...	M.	Aberdeen Commonwealth. Cunard White Star	Fm. 911 13.5.35 to 20.8.35	24.8.35
075 *† <i>Hobson's Bay</i> ...	T. V. Roberts, R.D., Commr., R.N.R.	J. Thompson ...	...	S.	Federal ...	Fms. 911 & 138 20.12.34 to 6.4.35	15.4.35
060 †† <i>Homer</i>	P. R. Vaughan, D.S.C., R.D., Commr., R.N.R.	C. Cremin, C. B. Cathie, J. A. Knott	A. R. Mugridge	"	Harrison ...	" " 10.6.35 to 30.8.35	5.9.35
261 *† <i>Huntingdon</i> ...	H. G. B. Field ...	A. S. Milne, J. M. White ...	G. W. Ingle ...	M.	Blue Star	Fms. 911 & 138 5.5.35 to 7.8.35	12.8.35
200 *† <i>Huntsman</i> ...	A. H. Brown ...	L. Vernon ...	E. J. Cook ...	"	Harrison		
<i>Imperial Star</i> , M.V.	D. R. Macfarlane ...	W. S. Eustance, D. N. Penfold, P. B. Jones.	...	"			
260 *† <i>Inanda</i> ...	W. H. Gibbings ...						

FLEET LIST

V

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteoro-logical Instrument Equip-ment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received.
197 *† <i>Ingoma</i> ...	J. T. Ling ...	N. G. Skelly ...	...	M.	Harrison...	Fms. 911 & 138 3.6.35 to 10.7.35	15.7.35
144 *† <i>Inverbank</i> , M.V.	W. Forsyth ...	...	...	S.	A. Weir ...	" " 30.5.35 to 14.8.35	29.8.35
<i>Isle of Guernsey</i>	H. F. Turner ...	G. Pearce ...	W. V. Neal ...	"	Southern Rly. ...	Telegraphic Report 29.8.35	29.8.35
<i>Isle of Jersey</i> ...	F. W. Holt, M.B.E. ...	W. F. Marn, R. A. Large ...	T. Clarke ...	"	" " ...	" 4.9.35	4.9.35
<i>Isle of Sark</i> ...	R. J. Large ...	H. Breuilly ...	G. Hunt ...	"	" " ...	" 2.9.35	2.9.35
<i>Ixion</i> ...	C. J. Watson ...	J. D. Auld, J. R. Sturgess, J. Wallace.	F. C. Wall ...	M.L.	A. Holt ...	Fm. 915 4.1.35 to 25.3.35	30.4.35
226 *† <i>Javanese Prince</i> , M.V.	E. E. Jones ...	W. M. Henry, J. H. King, L. W. Cooper.	J. Everitt ...	"	Prince ...	" 11.12.34 to 1.5.35	2.7.35
188 †† <i>Kaisar-i-Hind</i> ...	M. G. Draper ...	J. R. Collingridge, H. Williams, H. N. Thompson.	J. D. Downie ...	M.-S.	P. & O. ...	Fms. 911 & 138 9.6.35 to 10.7.35	12.8.35
206 *† <i>Karama</i> , M.V....	C. M. Andrews ...	W. Hill, R. J. McKenzie, N. S. Milne.	A. Stratton ...	S.	Shaw Savill & Albion.	{ Fm. 912 " 15.3.35 to 15.6.35 15.3.35 to 15.6.35	20.6.35 20.6.35
281 *† <i>Kemmendine</i> ...	R. B. Reid ...	J. A. MacColl, D. Campbell	R. Ford ...	M.	Henderson ...	Fms. 911 & 138 19.5.35 to 3.8.35	10.8.35
147 †† <i>Laconia</i> ...	B. B. Oram, R.D., Commr., R.N.R.	J. Ashcroft, A. Fasting, J. Farrell.	W. M. McArdle...	S.	Cunard White Star	" " 10.6.35 to 24.8.35	28.8.35
062 †† <i>Lancastria</i> ...	E. Edkin, O.B.E., R.D., A.D.C., Capt. R.N.R.	J. MacCullum, O. V. Lucas, N. F. Dennison.	R. Greenall ...	"	" " "	" " 9.6.35 to 20.8.35	26.8.35
076 *† <i>Largs Bay</i> ...	W. M. Jernyn ...	H. A. Dunnet, R. Frisby, J. Renton.	— Lewis ...	M.	Aberdeen Commonwealth.	" " 29.3.35 to 2.7.35	20.7.35
112 *† <i>La Rosarina</i> ...	W. E. Williams ...	W. S. Hamblin, T. C. Townsend, S. W. Howell.	R. J. Williams ...	"	Houlder ...	" " 12.5.35 to 12.7.35	15.7.85
267 *† <i>Lassell</i> , M.V. ...	E. R. Williams ...	W. Bevin, T. J. Sweeney, B. S. Harkney.	L. Brazill ...	S.	Lamport & Holt	" " 2.4.34 to 17.6.35	24.6.35
083 *† <i>Lautaro</i> , M.V. ...	C. Stowe ...	R. Sissons, A. Smart ...	W. House ...	M.	Pacific S.N. Co....	" " 3.3.35 to 17.6.35	20.6.35
251 *† <i>Leverbank</i> , M.V.	W. W. Elliott ...	A. J. Fahnasser ...	H. S. Matheson	S.	A. Weir ...	" " 6.7.35 to 2.7.35	3.9.35
093 *† <i>Llandaff Castle</i> ...	H. L. Scholefield ...	W. E. Clark ...	G. Lewis ...	"	Union Castle ...	" " 23.2.35 to 27.4.35	7.5.35
094 *† <i>Llandovery Castle</i>	J. MacMahon, R.D., Commr., R.N.R.	S. S. Smith, J. Sowden ...	A. E. Hunter ...	"	" " ...	" " 22.4.35 to 23.6.35	1.7.35
097 †† <i>Llangibby Castle</i> , M.V.	H. R. Northwood ...	F. C. F. Longland ...	J. Gilbert ...	"	" " ...	" " 15.6.35 to 17.8.35	26.8.35
216 *† <i>Llanstephan Castle</i>	W. Weller ...	J. L. Goatley ...	H. W. Langshaw	"	" " ...	" " 7.1.35 to 24.1.35	11.4.35
084 *† <i>Lobos</i> , M.V. ...	E. H. Large, R.D., Commr., R.N.R.	J. D. Richards, J. Murdock ...	R. Brownlee ...	M.	Pacific S.N. Co....	" " 17.2.35 to 22.5.35	25.5.35
137 *† <i>Logician</i> ...	R. F. Herschel ...	R. H. Ridley, J. L. Creole, G. H. Howard.	A. Fitzsimmons	"	Harrison ...	" " 1.4.35 to 19.7.35	27.7.35
008 *† <i>Losada</i> , M.V. ...	R. E. Dunn, O.B.E. ...	A. Lyall ...	A. Fairweather	"	Pacific S.N. Co....	" " 27.5.35 to 1.9.35	5.9.35
232 *† <i>Madura</i> ...	J. A. Wright ...	A. W. Clarke, J. Baker, R. A. Bidmead.	H. O. Francis ...	"	British India ...	" " 10.5.35 to 25.7.35	9.8.35
231 *† <i>Mahana</i> ...	J. M. Cameron...	C. C. Good, M. Thowless, C. A. Knox.	S. Simpson ...	S.	Shaw Savill & Albion.	" " 19.3.35 to 15.7.35	30.7.35
140 *† <i>Mahratta</i> ...	W. Hill ...	N. B. Exley, N. Grayson, W. Couling.	P. F. Dunford ...	M.	Brocklebank ...	" " 6.5.35 to 8.6.35	2.7.35
014 *† <i>Mahronda</i> ...	L. T. Owen ...	J. B. Leigh, J. B. Newman, H. Hains.	W. Ritch ...	"	" " ...	" " 20.6.35 to 7.7.35	26.7.35
015 *† <i>Mahsud</i> ...	R. W. Kershaw ...	H. Gillespie, J. R. Paisley, J. S. Richardson.	G. D. Plant ...	"	" " ...	" " 7.5.35 to 29.7.35	1.8.35
042 *† <i>Maimoa</i> ...	W. G. West ...	H. C. Howe, H. Winyard, C. Parker.	G. L. Brown ...	S.	Shaw Savill & Albion.	" " 13.12.34 to 30.3.35	4.4.35
054 †† <i>Majestic</i> ...	R. B. Irving, O.B.E., R.D., Capt., R.N.R.	R. B. O'Brien, W. Fitzgerald, J. P. V. Evans.	J. R. Thomson...	"	Cunard White Star	" " 6.6.35 to 2.9.35	5.9.35
018 *† <i>Makalla</i> ...	J. Greenall ...	A. Hill, G. Thomas, A. E. Austin.	W. Fallowfield	M.	Brocklebank ...	" " 14.4.35 to 10.8.35	5.9.35
225 *† <i>Makura</i> ...	{ D. MacDonald ... W. Martin ...	F. Young, D. H. Richards, E. V. Condon.	E. J. Gough ...	M.L.	Canadian-Australasian	Fm. 915 14.2.35 to 31.5.35	30.7.35
236 *† <i>Malayan Prince</i> , M.V.	E. Hardcastle ...	W. R. Harries, C. J. H. Dunford, S. A. Headon.	H. S. Norris ...	"	Prince ...	" 13.1.35 to 28.5.35	13.7.35
219 *† <i>Malda</i> ...	F. Caffyn ...	A. W. Willis, D. G. Gough, J. F. Twite.	— James ...	M.	British India ...	Fms. 911 & 138 7.4.35 to 4.7.35	26.7.35
195 †† <i>Maloja</i> ...	J. B. Browning, R.D., Commr., R.N.R.	K. W. Richardson,	A. Macbeth ...	M.-S.	P. & O. ...	" " 10.3.35 to 12.6.35	17.6.35
<i>Mamari</i> ...	W. B. Starr, R.D., Commr., R.N.R.	R. M. Pattinson, F. M. Murphy, W. G. Burt.	...	S.	Shaw Savill & Albion.	Fm. 915 23.11.34 to 18.3.35	29.3.35
146 *† <i>Mandasor</i> ...	L. C. Shore ...	H. Atherton, O. E. Evans, G. S. Cullen.	R. H. Jones ...	M.	Brocklebank ...	Fms. 911 & 138 2.5.35 to 16.7.35	23.7.35
177 *† <i>Mantola</i> ...	D. F. James ...	J. Duncan, L. J. Kew, G. Challis.	J. H. Gilman ...	"	British India ...	" " 14.3.35 to 1.6.35	13.6.35
<i>Maron</i> , M.V. ...	R. Brown ...	J. Holden, L. C. Glynn, R. S. Braddon.	T. McCartney ...	M.L.	A. Holt ...	Fm. 915 9.2.35 to 29.6.35	9.8.35
104 *† <i>Marquesa</i> ...	R. Smiles ...	J. Allerton, F. Feint, H. S. Powell.	J. S. Simpson ...	M.	Furness Houlder	Fms. 911 & 138 2.6.35 to 7.8.35	9.8.35
213 †† <i>Mashobra</i> ...	J. L. Beatty ...	H. O'Donohoe, H. Stadden, K. W. Letbe.	T. F. Holden ...	M.-S.	British India ...	" " 4.2.35 to 22.4.35	22.5.35
217 *† <i>Matakana</i> ...	F. A. Orriss ...	W. A. Sims-Reeve, C. W. Sendall, D. Masters.	W. Ingle ...	S.	Shaw Savill & Albion.	" " 19.12.34 to 16.4.35	27.4.35
235 †† <i>Mataroa</i> ...	A. McIntosh ...	E. B. Macfarren, R. S. Winder, A. C. Tyre.	J. P. Carey ...	"	" " ...	" " 24.3.35 to 27.6.35	5.7.35
023 *† <i>Matheran</i> ...	H. D. Fulcher ...	F. C. Madden, R. Penston, T. Johnston.	J. Heathcote ...	M.	Brocklebank ...	" " 13.5.35 to 31.7.35	26.8.35
223 *† <i>Matiana</i> ...	L. D. Patterson ...	A. H. Baird, J. Bridgeman, V. Irving.	H. Sturdy ...	"	British India ...	" " 8.6.35 to 18.8.35	3.9.35
024 *† <i>Matra</i> ...	N. P. Cornish ...	C. Parry, E. B. Falconer, A. D. Howard.	E. R. Capps ...	"	Brocklebank ...	" " 14.4.25 to 26.6.35	8.7.35

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteoro-logical Instrument Equip-ment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received.
278 *† <i>Middlesex</i> ...	H. T. Wilde ...	R. A. Belfield, E. G. Williams, J. Anderman.	T. Owen ...	S.	Federal ...	Fms. 911 & 138 31.1.35 to 8.6.35	17.6.35
194 † <i>Moldavia</i> ...	C. H. C. Allin ...	H. Toon, R. Perry, J. S. G. Christian.	J. W. Quain ...	M.-S.	P. & O. ...	" " 2.6.35 to 27.7.35	2.8.35
199 †† <i>Mongolia</i> ...	H. R. Rhodes ...	H. M. Flint, E. J. Spurling, E. Cowen.	A. Morris ...	"	" ...	" " 16.4.35 to 4.8.35	7.8.35
148 †† <i>Montcalm</i> ...	W. G. Busk-Wood, R.D., Commr., R.N.R.	F. W. Roberts, D. Ewing, F. Falconer.	J. Biggins ...	"	Canadian Pacific {	Fm. 912 " 2.6.35 to 27.8.35	29.8.35
149 †† <i>Montclare</i> ...	C. H. Sapworth ...	J. M. Roche, A. Mackie, W. Stanley.	H. Bowman ...	"	" {	Fms. 911 & 138 2.6.35 to 22.8.35	26.8.35
150 †† <i>Montrose</i> ...	P. Pugh ...	W. J. Roberts, D. Parsons ...	A. G. Hill ...	"	" {	Fm. 912 " 26.5.35 to 3.7.35	6.7.35
164 †† <i>Mooltan</i> ...	E. P. Lyndon, R.D., R.N.R.	A. Fitz-Marshall, A. D. Dennis, M. A. Trenfield.	H. Williamson ...	"	P. & O. ...	Fms. 911 & 138 2.6.35 to 24.7.35	8.7.35
196 †† <i>Mulbera</i> ...	W. A. Grant-Pyves ...	P. M. Wilson, A. M. Dean, J. L. Williams.	W. E. Sandom ...	"	British India ...	" " 23.6.35 to 24.7.35	3.9.35
<i>Mundra</i> ...	A. Tillier ...	S. Henderson ...	" ...	M.	" ...	" ...	12.8.35
078 *† <i>Myrtlebank</i> , M.V.	G. S. Holbrook...	J. Syme, W. T. Norvell, E. C. Fenwick.	J. Kirree.	S.	A. Weir ...	Fms. 911 & 138 30.4.35 to 21.6.35	29.7.35
073 *† <i>Nagara</i> ...	B. J. Davies ...	H. Lang, F. Fraser, F. Jones.	J. Smith ...	M.	Royal Mail ...	" " 22.5.35 to 16.7.35	23.7.35
201 †† <i>Naldera</i> ...	R. C. Dene ...	E. J. R. North, F. W. J. Pearce, E. R. Physick.	R. T. Soans.	S.	P. & O. ...	" " 18.3.35 to 16.6.35	2.7.35
<i>Nankin</i> ...	T. H. Scott White ...	G. D. Clarke, M. S. Rabone, E. J. B. Wright.	H. Green ...	M.L.	Eastern and Aus-tralian.	Fm. 915 2.2.35 to 26.4.35	30.7.35
227 *† <i>Nardana</i> ...	C. Dorking White ...	H. Goater, W. Clarke, L. W. Kerton.	L. J. Hadler ...	M.	British India ...	Fms. 911 & 138 3.12.34 to 15.4.35	1.5.35
202 †† <i>Narkunda</i> ...	J. H. Biggs, R.D., Commr., R.N.R.	W. N. Eade, H. C. Slinn, R. J. Cutler.	C. Herbert ...	M.-S.	P. & O. ...	" " 4.5.35 to 5.8.35	20.8.35
<i>Nascopie</i> ...	T. F. Smellie ...	A. J. Randall, R. Stephen.	" ...	S.	Hudson's Bay Co.	Fm. 911 8.7.34 to 30.9.34	19.10.34
257 *† <i>Natia</i> ...	E. W. Bridges ...	F. J. Swallow, G. N. Elliott, G. O. Townsend.	A. C. Shippam	M.	Royal Mail ...	Fms. 911 & 138 9.4.35 to 28.8.35	3.9.35
<i>Nellore</i> ...	{ T. J. Mills ... H. C. J. Stratford ...	A. G. Rose, J. H. Armstrong, J. H. Simpson.	" ...	M.L.	Eastern and Aus-tralian.	Fm. 915 2.3.35 to 27.5.35	9.8.35
162 *† <i>Nestor</i> ...	F. Adcock ...	A. P. Billington, B. W. Blair, A. Sherman.	C. F. Townsend	S.	A. Holt ...	Fms. 911 & 138 24.6.35 to 26.7.35	3.9.35
<i>New Zealand Star</i> , M.V.	G. Wilson ...	M. B. M. Tallack	" ...	M.L.	Blue Star ...	" ...	...
210 *† <i>Niagara</i> ...	T. V. Hill ...	G. H. Kime, J. Billingham, A. J. McKenzie.	G. M. Power ...	"	Canadian-Australasian.	Fm. 915 28.2.35 to 14.6.35	28.8.35
<i>Northern Coast</i> ...	H. Cameron ...	H. J. Cowan, H. F. Thomson	" ...	S.	Coast Lines ...	" 8.2.35 to 11.6.35	19.6.35
<i>Northumberland</i>	H. E. Reilly ...	G. Saul, W. Redwood, H. Mackillican.	" ...	"	Federal ...	" 16.12.34 to 16.4.35	25.4.35
243 *† <i>Opawa</i> , M.V. ...	F. W. Robinson ...	J. McCulloch, J. C. Grose, H. S. Dawson.	F. W. Fowler ...	M.	New Zealand Shipping	Fms. 911 & 138 28.11.34 to 4.4.35	10.4.35
170 †† <i>Orama</i> ...	E. P. Cameron, R.D., Capt., R.N.R.	C. Edgecombe, L. W. Hodges, A. Gray.	J. W. Willson	S.	Orient ...	" " 18.2.35 to 21.5.35	5.6.35
080 *† <i>Orari</i> ...	J. G. Almond ...	H. Smith, C. Cordran, G. D. Gregory.	W. E. Fordham	M.	New Zealand Shipping.	" " 9.4.35 to 3.8.35	24.8.35
246 †† <i>Orbita</i> ...	J. H. Kirkwood ...	E. Baxter, J. Whitehouse, P. L. Hockey.	D. H. Sinclair ...	M.-S.	Pacific S.N. Co.	" " 23.7.35 to 7.8.35	5.9.35
087 †† <i>Orduna</i> ...	A. Ridyard, O.B.E. ...	R. D. Eckford, W. Vickers, T. R. Thomas.	W. G. Campbell	"	" "	" " 12.5.35 to 21.7.35	23.7.35
019 †† <i>Orion</i> ...	A. L. Owens, R.D., Capt., R.N.R.	P. Sargent	" ...	"	Orient ...	" ...	...
174 †† <i>Ormonde</i> ...	M. J. Sarson ...	C. E. Coles, E. M. MacKay.	B. Baxter ...	S.	" ...	Fms. 911 & 138 31.3.35 to 2.7.35	11.7.35
172 †† <i>Oronsay</i> ...	C. G. Matheson, D.S.O., R.D., Commr., R.N.R.	G. B. H. Jones, G. W. Pinckney, J. N. Huln.	P. Darby ...	"	" ...	" " 4.3.35 to 4.6.35	14.6.35
173 †† <i>Orontes</i> ...	F. R. O'Sullivan ...	R. W. Roberts, C. Denton, J. K. Johnson.	S. G. Boon ...	M.-S.	" ...	" " 21.1.35 to 23.4.35	26.4.35
105 †† <i>Orsova</i> ...	R. L. F. Hubbard, R.D., Commr., R.N.R.	F. K. Manley, R. S. Howlett	R. B. Knights ...	S.	" ...	" " 26.5.34 to 27.8.35	3.9.35
156 †† <i>Otranto</i> ...	L. V. James, D.S.C. ...	J. Birch, G. R. Grandage, J. H. Smyth.	J. L. Curry ...	M.-S.	" ...	" " 28.4.35 to 30.7.35	2.8.35
044 *† <i>Pacific Exporter</i> , M.V.	C. E. Holland, Commr., R.N.R.	H. Edmonds, H. Moss, W. Wilcock.	W. Moore ...	S.	Furness Withy ...	" " 19.2.35 to 13.5.35	21.5.35
277 *† <i>Pakeha</i> ...	E. T. Grayston, D.S.C., R.D., Commr. R.N.R.	A. J. Tillet, D. Pickersgill, B. D. Atkin.	" ...	"	Shaw Savill & Albion.	" " 26.12.34 to 3.4.35	23.4.35
<i>Paris</i> ...	C. Munton ...	E. W. Smith ...	A. H. Jones ...	M.L.	Southern Rly. ...	Telegraphic Report 7.8.35	7.8.35
<i>Penola</i> , Schooner	R. E. D. Ryder, Lieut., R.N.	" ...	" ...	"	British Graham Land Expedition.	" ...	...
204 *† <i>Peshawur</i> ...	E. P. Parfitt ...	A. Robbins, S. Kerridge, T. Hopkins.	A. H. Garbett ...	M.	P. & O. ...	Fms. 911 & 138 3.7.35 to 20.8.35	24.8.35
040 *† <i>Port Adelaide</i> ...	R. Williams ...	E. G. Jones, W. E. Dingle, H. Garner.	W. Ash ...	S.	Commonwealth & Dominion.	" " 26.12.34 to 16.4.35	7.5.35
238 *† <i>Port Alma</i> , M.V.	S. C. Cottell ...	T. L. Kidwell, W. B. Hopkins, W. D. Henderson.	L. D. Corbett ...	"	" " "	" " 16.11.34 to 4.3.35	11.3.35
128 *† <i>Port Auckland</i> ...	C. A. Robinson ...	W. Easton, E. C. Read, H. Crail.	K. Riley ...	"	" " "	" " 14.1.35 to 3.5.35	13.5.35
268 *† <i>Port Bowen</i> ...	A. H. Brown ...	E. W. Rogerson, R. Bettess, A. V. C. Hoadley.	H. Naylor ...	"	" " "	" " 24.1.35 to 25.5.35	29.5.35
130 *† <i>Port Caroline</i> ...	G. S. Hall ...	L. W. Cody, L. J. Skales, R. W. Nicholl.	J. H. Bradford	"	" " "	" " 6.6.35 to 10.7.35	17.7.35
190 *† <i>Port Chalmers</i> , M.V.	S. W. Hayter ...	C. R. Townsend, H. A. Munday, C. V. Hancock.	R. Faulkner ...	"	" " "	" " 1.11.34 to 25.2.35	6.3.35
131 *† <i>Port Darwin</i> ...	J. J. Hudson ...	F. J. Lavers, C. Gorley, D. A. Watson.	H. Maclaren ...	"	" " "	" " 17.3.35 to 31.7.35	16.8.35
072 *† <i>Port Denison</i> ...	S. A. E. Gregory ...	E. Wheeler, B. Millburn, A. G. Russell.	V. T. Cole ...	"	" " "	" " 28.1.35 to 5.5.35	15.5.35
<i>Port Dunedin</i> , M.V.	G. W. Hearn ...	A. Brown ...	W. J. Craig ...	"	" " "	Fm. 911 13.1.35 to 30.4.35	24.5.35

FLEET LIST

vii

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteoro-logical Instrument Equip-ment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received.
010 *† Port Fremantle, M.V.	W. J. Enright, R.D., Commr., R.N.R.	A. Young, F. R. Gorman, P. Becham.	H. Lothian ...	S.	Commonwealth & Dominion	Fms. 911 & 138 8.3.35 to 24.6.35	4.7.35
163 *† Port Gisborne, M.V.	W. G. Higgs ...	D. F. Morgan, H. B. Walker, J. E. Peake.	H. Smith ...	"	" " "	{ Fm. 912 " 3.5.35 to 15.8.35 Fms. 911 & 138 28.10.34 to 14.3.35	24.8.35 24.8.35 1.4.35
252 *† Port Hardy ...	J. Jack ...	W. M. Clough, D. F. Morgan, A. Alexander.	K. H. Bond ...	"	" " "	Fm. 915 1.1.35 to 23.4.35	3.5.35
Port Hobart, M.V.	T. Kippins, D.S.C. ...	W. Rowland-Hill, J. S. Moate, R. Owen.	... ..	"	" " "	... ..	...
Port Townsville, M.V.	S. W. Hayter ...	E. F. Beard ...	... ..	"	" " "	... ..	...
Port Wyndham, M.V.	W. Gilling ...	G. Thom ...	... ..	"	" " "	... ..	...
Prague ...	F. E. Beeching, D.S.C.	S. J. Holland, F. Woods ...	A. Potter	"	L. & N.E. Rly. ...	Telegraphic Report 4.9.35	4.9.35
106 *† Princessa ...	A. B. Friend ...	E. Loughheed, O. S. Sheard, F. Poulson.	R. Shackleton ...	M.	Houlder ...	Fm. 911 23.6.35 to 21.8.35	26.8.35
063 *† Queen City ...	R. V. Arkwright ...	J. W. Botterill ...	... ..	S.	Reardon Smith ...	" 17.7.34 to 12.5.35	14.5.35
205 †† Rajputana ...	W. A. Cotchings ...	D. S. Charles, R. S. Fox, S. H. Baldwin.	W. Banbury ...	M.-S.	P. & O. ...	Fms. 911 & 138 14.4.35 to 17.7.35	20.7.35
228 †† Ranchi ...	C. E. Short ...	J. MacArthur, D. Armstrong, C. Hutchinson.	W. Stevenson ...	"	" " "	" " 3.3.35 to 5.6.35	11.6.35
224 †† Rangitane, M.V.	A. W. McKellar, R.D., Capt., R.N.R.	S. R. Leggett, L. Mercer, G. B. Law.	W. E. Smith ...	"	New Zealand Shipping	" " 9.2.35 to 14.5.35	21.5.35
240 †† Rangitiki, M.V.	H. Barnett ...	N. Baddeley, C. A. Jones ...	L. V. Horn ...	"	" " "	" " 13.1.35 to 16.4.35	9.5.35
207 †† Ranpura ...	E. A. J. W. Carter ...	A. C. Halliday.	J. R. C. Johnson	"	P. & O. ...	" " 31.3.35 to 1.8.35	26.8.35
071 †† Rawalpindi ...	R. H. Stringer, O.B.E., R.D., Commr., R.N.R.	F. C. B. Watkins, F. E. Cox, A. O. Gething.	S. W. Sharp ...	"	" " "	" " 13.12.34 to 8.5.35	24.5.35
247 *† Recorder ...	J. J. Egerton ...	W. P. Baker, J. R. Lloyd, J. Glen.	J. Williams ...	M.	Harrison ...	" " 19.3.35 to 13.6.35	17.6.35
132 *† Reina del Pacifico, M.V.	J. Ross ...	R. Bridson, J. K. Campbell, T. J. Menzies.	W. G. Sutherland	"	Pacific S.N. Co. ...	" " 18.4.35 to 15.8.35	21.8.35
Remuera ...	E. A. Holland ...	D. H. Clegg, H. Hill, R. S. Frost.	... ..	M.L.	New Zealand Shipping	Fm. 915 6.4.35 to 12.7.35	18.7.35
Rhexenor ...	G. G. Rundle ...	A. E. Bartlett, R. T. Dryden, J. L. Barrett.	N. A. Warner ...	"	A. Holt ...	" 1.2.35 to 27.5.35	13.7.35
Rotorua ...	C. B. Lamb ...	H. N. Lawson, R. H. Carter, B. C. Hamilton.	... ..	"	New Zealand Shipping	" 8.12.34 to 3.4.35	23.4.35
203 *† Royal Star ...	O. C. Roberts ...	N. Clarkson, H. Arton, K. Laycock.	A. Satchwell ...	M.	Blue Star ...	Fms. 911 & 138 9.4.35 to 24.6.35	5.7.35
Ruahine ...	G. Kinnell ...	A. Hocken, F. R. F. Wilson, V. Canton.	... ..	M.L.	New Zealand Shipping	Fm. 915 2.2.35 to 9.5.35	17.5.35
St. Helier ...	R. Pitman ...	F. E. Martin.	E. Rees ...	S.	G.W. Railway ...	Telegraphic Report 30.8.35	30.8.35
St. Julien ...	T. Richardson ...	V. Newton, G. Cartwright ...	E. Trapnell ...	"	Bunch Steam ...	Fm. 911 " 5.9.35 to 20.7.35	5.9.35
St. Keverne, S.T.	A. Hatton ...	... ..	... ..	A.	Fishing Co. {	Fm. 912 24.6.35 to 20.7.35	29.7.35
St. Patrick ...	C. W. Sanderson ...	W. G. B. Jones, J. F. Drake, J. C. Dawson.	R. A. J. Owlett	S.	G.W. Railway ...	Telegraphic Report 4.9.35	4.9.35
100 †† Samaria ...	J. McRostie ...	... ..	... ..	"	Cunard White Star	Fms. 911 & 138 3.6.35 to 17.8.35	24.8.35
Scotia ...	W. T. Griffith ...	N. Lloyd Williams ...	J. H. Rockey ...	"	L.M. & S. Railway	Telegraphic Report 5.9.35	5.9.35
033 †† Scythia ...	G. R. Dolphin, R.D., Commr. R.N.R.	W. J. Foster, W. Caunce, S. R. Jones.	F. H. Williams ...	"	Cunard White Star	Fms. 911 & 138 26.5.35 to 10.8.35	13.8.35
211 *† Shropshire, M.V.	R. P. Mann ...	A. C. Muir, J. S. Milner, A. E. Evens.	D. McLellan ...	"	Bibby ...	" " 28.4.35 to 6.7.35	10.7.35
121 *† Siamese Prince, M.V.	E. E. Litchfield ...	W. A. Niven, F. L. Bourgot.	A. Webster ...	M.L.	Prince ...	Fm. 915 8.3.35 to 17.6.35	3.8.35
Silverwalnut, M.V.	J. Smith, R.N.R.	H. J. Dean, W. S. Welford, W. J. Law.	J. Jenkinson ...	"	Thompson ...	" 20.1.35 to 22.6.35	15.8.35
141 *† Somerset ...	E. R. Pilcher ...	H. M. Knight, M. Johnson, R. C. Lovelock.	H. A. Haddon ...	S.	Federal ...	Fms. 911 & 138 9.2.35 to 25.5.35	17.7.35
Spero ...	W. A. Dossor ...	A. Kirk, G. H. Duncan, G. Hodgson.	... ..	M.L.	Ellerman Wilson	Fm. 915 29.12.34 to 20.7.35	27.7.35
020 *† Stirlingshire, M.V.	F. T. Mee, F.R.G.S.	R. E. Smallbone, E. G. G. Mobbs.	P. B. Allison ...	S.	Turnbull Martin...	Fms. 911 & 138 4.5.35 to 8.7.35	20.7.35
270 †† Strathaird ...	W. P. Townshend, R.D., Capt. R.N.R.	R. H. Hand ...	... ..	"	P. & O. ...	Fm. 911 12.5.35 to 28.6.35	4.7.35
059 †† Strathnaver ...	R. Harrison, D.S.O., R.D., A.D.C., Capt., R.N.R.	S. Peters, W. Waghorn, A. J. McHattie.	P. R. Hobbs ...	M.-S.	" " "	Fms. 911 & 138 23.2.35 to 30.5.35	1.6.35
274 *† Sullan Star ...	W. H. Bevan ...	J. Lewis, R. McIlraith, G. Wooler.	P. G. Winsor ...	M.	Blue Star ...	" " 19.5.35 to 25.6.35	2.7.35
189 *† Tacoma Star ...	W. Walsh ...	D. G. Russell, J. O. Davies, J. H. Mortimer.	... ..	S.	" " "	Fm. 911 24.10.34 to 11.1.35	21.1.35
229 *† Tactician ...	J. Jackson ...	R. Swain, T. Winstanley, A. Moreton.	W. Loughlin ...	M.	Harrison ...	Fms. 911 & 138 9.6.35 to 20.8.35	26.8.35
081 *† Tairoa ...	S. Oswald ...	H. D. Pim, W. G. Burt, A. E. Weller.	R. W. Jones ...	S.	Shaw, Savill & Albion	" " 17.4.35 to 5.8.35	16.8.35
021 †† Tamaroa ...	W. Dawson ...	L. H. Edmeads, A. Blewitt, J. C. Paige.	P. Maloney ...	M.-S.	" " "	" " 15.6.35 to 17.7.35	5.9.35
264 *† Tanda ...	S. Gilling ...	F. O. Colvin, G. N. Reed, H. E. Nuzum.	W. Harris ...	M.L.	E. & A. S.S. Co. ...	Fm. 915 12.1.35 to 8.4.35	17.6.35
165 *† Tantalus, M.V. ...	D. E. Evans ...	C. W. Taylor, G. Drake, F. H. Barley.	D. Grew ...	S.	A. Holt ...	Fms. 911 & 138 30.4.35 to 3.8.35	24.8.35
047 *† Taranaki, M.V.	W. J. Saunders ...	B. M. Morris, A. G. Fisher, — Harries.	T. S. Mains ...	"	Shaw, Savill & Albion	" " 18.1.35 to 22.4.34	14.6.35
069 *† Tekoa ...	J. Howell Price, D.S.O., D.S.C.	J. D. Bennet, C. J. P. Guille, J. F. Clement.	F. Gardiner ...	M.	New Zealand Shipping	" " 7.2.35 to 18.3.35	31.7.35
048 †† Themistocles ...	C. Wood, D.S.C.	E. Johanson, G. Hawley, J. Wildsmith.	G. M. Hardie ...	M.-S.	Aberdeen Commonwealth	" " 23.12.34 to 22.3.35	28.3.35
161 *† Titan ...	W. B. Ewan ...	J. A. C. McGregor, A. R. Davidson, J. M. Christian.	G. Pearce ...	S.	A. Holt ...	" " 25.5.35 to 7.7.35	6.8.35
Tongariro ...	P. B. Clarke, D.S.C.	G. W. Pring, G. Jarvis, H. C. Dell.	E. G. Stride ...	"	New Zealand Shipping	" " 10.2.35 to 12.6.35	27.6.35
025 †† Transylvania ...	D. W. Bone ...	R. L. Robertson, H. D. Campsie, H. King.	J. McDonald ...	"	Anchor ...	{ Fm. 912 " 9.6.35 to 11.7.35 9.6.35 to 11.7.35	25.7.35 25.7.35

Name of Vessel.	Captain.	Observing Officers.	Senior Wireless Operator.	Meteoro-logical Instrument Equip-ment.	Line.	Logs, Registers, or Records Contributed. 7.6.35 to 5.9.35.	Date Last Return Received
119 *† <i>Trojan Star</i> ...	G. Owen, R.D., Commr., R.N.R.	W. A. G. Curphey, W. L. Hall, F. O. W. Stokes.	F. F. Smith ...	M.	Blue Star ...	Fms. 911 & 138 13.2.35 to 22.5.35	29.5.35
245 *† <i>Turakina</i> ...	J. Laird ...	D. Chadwick, C. S. Thomas, J. Vincent.	R. W. Hunn ...	"	New Zealand Shipping	" " 23.1.35 to 9.6.35	30.7.35
276 †† <i>Tuscania</i> ...	W. B. Rome ...	J. Herbert.	... ..	S.	Anchor ...	Fm. 911 22.6.35 to 13.8.35	20.8.35
127 *† <i>Tuscan Star</i> , M.V.	G. J. Lewis ...	R. T. Hales, J. Byrne ...	... ..	"	Blue Star ...	Fm. 912 15.6.35 to 23.6.35	25.6.35
113 *† <i>Upwey Grange</i> , M.V.	H. P. Goodrick ...	A. Bradbury, G. T. Hurst, P. J. Walker.	— Varley ...	M.	Houlder ...	Fm. 911 & 138 21.5.35 to 24.7.35	27.7.35
176 *† <i>Vancouver City</i> , M.V.	H. E. Egerton ...	H. David, J. K. Robson, W. F. Wilde.	A. J. Sloan ...	S.	Reardon Smith ...	" " 6.6.35 to 24.7.35	30.7.35
275 †† <i>Vandyck</i> ...	P. Symons ...	J. A. Baragwanath....	F. Slater ...	"	Lamport & Holt	" " 20.5.35 to 14.8.35	20.8.35
079 †† <i>Viceroy of India</i>	E. J. Thornton, R.D., Capt., R.N.R.	E. R. Rose, M. Greasley, F. M. Squire.	H. S. Horn ...	M.-S.	P. & O. ...	" " 23.6.35 to 8.8.35	12.8.35
<i>Vienna</i> ...	B. R. Booth ...	A. W. Greenham, R. W. Greenfield.	G. Madle ...	S.	L. & N.E. Rly. ...	Telegraphic Report 30.8.35	30.8.35
053 †† <i>Voltaire</i> ...	V. E. Gore-Hickman ...	E. W. Hardie, D. P. Woods ...	W. Burnett ...	"	Lamport & Holt	Fms. 911 & 138 9.6.35 to 22.8.35	26.8.35
004 †† <i>Waipawa</i> , M.V.	J. W. Johnson ...	R. Grant, N. Atkinson, P. Savill.	J. Power ...	"	Shaw, Savill & Albion	" " 14.4.35 to 1.8.35	10.8.35
254 †† <i>Wairangi</i> , M.V.	D. Christie ...	... ..	... ..	"	... ..	... ..	...
263 *† <i>Wairuna</i> ...	J. Rankine ...	A. Lucas, A. Cousin, H. H. Pike.	R. Bell ...	ML	Union S.S. Co. of N.Z.	Fm. 915 21.11.34 to 13.3.35	13.5.35
212 †† <i>Waiwera</i> , M.V.	J. H. Gaskell, R.D., R.N.R.	R. G. James, C. L. Carroll, A. Mackenzie.	J. Murphy ...	S	Shaw, Savill & Albion	Fms. 911 & 138 7.7.35 to 2.8.35	3.9.35
005 †† <i>Warwick Castle</i> , M.V.	W. M. Betts ...	F. A. G. Hunter ...	H. Oliver ...	"	Union Castle ...	" " 25.5.35 to 13.7.35	25.7.35
056 *† <i>Westmoreland</i> ...	E. R. Kemp ...	R. Coen, H. Durell, G. Letts	R. Glover ...	"	New Zealand Shipping	" " 24.4.35 to 12.8.35	26.8.35
208 †† <i>Winchester Castle</i> , M.V.	J. H. Kerbey ...	D. Taylor.	W. A. Smith ...	"	Union Castle ...	" " 23.6.35 to 11.8.35	13.8.35
096 †† <i>Windsor Castle</i> ...	A. Barron ...	G. Mayhew, J. D. Fisher ...	J. Hodgson ...	"	Southern Railway	Telegraphic Report 21.5.35 to 3.7.35	9.7.35
<i>Worthing</i> ...	B. Shaw ...	H. Smith ...	C. Watson ...	"	Henderson ...	" " 4.9.35	4.9.35
244 *† <i>Yona</i> ...	J. A. Wilson ...	J. Crawford, P. D. Barr, W. C. Blizard.	... ..	M.	... ..	Fm. 911 6.4.35 to 19.6.35	1.7.35
043 *† <i>Zealandic</i> , M.V.	H. R. Gordon ...	G. Sangwin, A. Masters, S. Wallis.	N. Musgrove ...	S.	Shaw, Savill & Albion	Fms. 911 & 138 3.2.35 to 27.4.35	3.5.35
<i>Conway</i> , H.M.S.	T. M. Goddard, Commr., R.N.R.	The Senior Cadets ...	... ..	Cadets M.L.	... ..	Cadets' Met. Log. 6.5.35 to 23.7.35	30.7.35
<i>Pangbourne Naut-ical College</i> .	A. F. G. Tracy, Commr., R.N.	" " ...	... ..	"	... ..	" " 9.5.35 to 23.7.35	29.7.35
<i>Worcester</i> , H.M.S.	G. C. Steele, V.C., Commr., R.N.	" " ...	... ..	"	... ..	" " 10.5.35 to 1.8.35	6.8.35
<i>Walling Island</i>	The Keepers	Lighthouse Register	Lighthouse Register 1.7.34 to 31.12.34	15.2.35
<i>Cape Pembroke</i> ... (Falkland Is.)	" "	"	" " 1.7.34 to 31.12.34	15.2.35

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Name of Vessel.	Captain.	Observing Officer.	Line.	Received at Government Chemist, London.
<i>Dakarian</i> ...	W. Baird ...	A. A. Heaton ...	Harrison...	30 Water Samples, 28.6.35.
<i>Darian</i> ...	T. Chapman ...	L. Seddon ...	" ...	30 " " 7.6.35.
<i>Davisian</i> ...	T. J. Higson ...	W. Lawton ...	" ...	30 " " 21.6.35.
<i>Hilary</i> ...	F. C. P. Harris....	H. Sapsworth. ...	Booth ...	{ 60 " " 5.6.35.
				{ 60 " " 30.7.35.

October, M.O., 1935.

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