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CANADA DEPARTMENT OF TRANSPORT  
ANNUAL REPORT



CANADA

NON-CIRCULATING  
TWENTIETH ANNUAL REPORT

Navigation Conditions on the Hudson Bay  
Route from the Atlantic Seaboard  
to the Port of Churchill

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SEASON OF NAVIGATION  
1948

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DEPARTMENT OF TRANSPORT

HON. LIONEL CHEVRIER, Minister

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OTTAWA

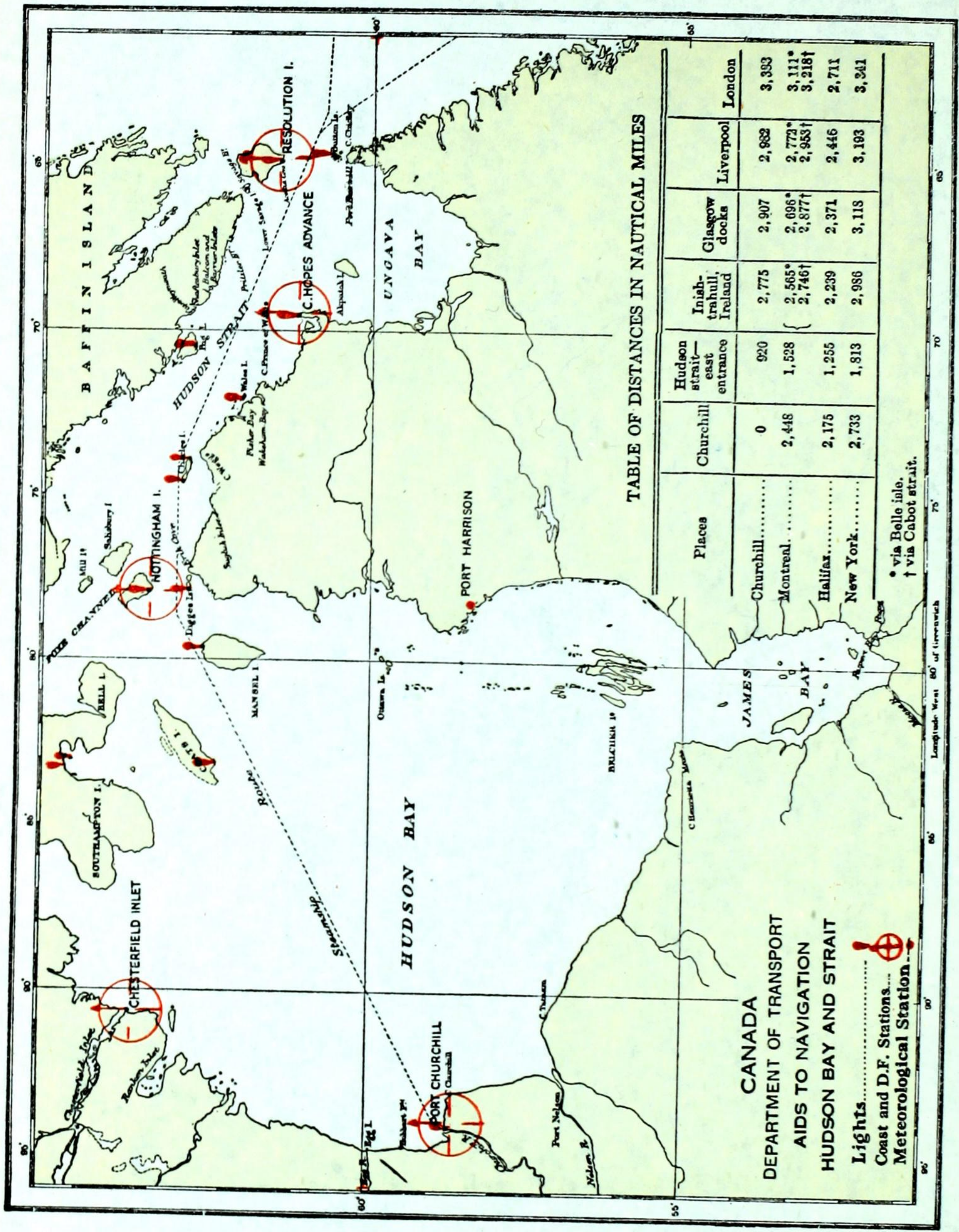


TABLE OF DISTANCES IN NAUTICAL MILES

Places	Churchill	Hudson strait—east entrance	Inish-trahull, Ireland	Glasgow docks	Liverpool	London
Churchill.....	0	920	2,775	2,907	2,982	3,393
Montreal.....	2,448	1,528	2,565* 2,746†	2,696* 2,877†	2,772* 2,953†	3,111* 3,218†
Halifax.....	2,175	1,255	2,239	2,371	2,446	2,711
New York.....	2,733	1,813	2,986	3,118	3,193	3,241

\* via Belle Inle.  
† via Cabot strait.

CANADA  
DEPARTMENT OF TRANSPORT  
AIDS TO NAVIGATION  
HUDSON BAY AND STRAIT

Lights.....  
Coast and D.F. Stations.....  
Meteorological Station.....

Longitude West 80° of Liverpool

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OTTAWA

EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,  
KING'S PRINTER AND CONTROLLER OF STATIONERY

1949



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DEPARTMENT OF TRANSPORT

PORT OF CHURCHILL, MANITOBA

OTTAWA

EDMUND GUTHRIE, C.M.G., B.A., F.R.S.  
MINOR PRINTER AND CONTROLLER OF STATIONERY

1948

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C. P. EDWARDS, Esq.,  
 Deputy Minister for Air Services,  
 Department of Transport,  
 Ottawa, Ont.

SIR—I have the honour to submit the Twentieth Annual Report on Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill. This report covers the season of navigation, 1948.

The report is compiled from information received from the Hudson Strait Patrol Vessel C.G.S. N. B. McLean, masters of vessels and pilots of aircraft navigating these waters, the National Harbours Board, the Department of Mines and Resources and the Meteorological and Radio Services of the Department of Transport.

Yours respectfully,  
 G. C. W. BROWNE,  
 Controller of Radio.

DEPARTMENT OF TRANSPORT,  
 OTTAWA, May 1, 1949.

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## TWENTIETH ANNUAL REPORT

### Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill Season of Navigation, 1948.

#### Synopsis of Report

#### OPENING OF NAVIGATION

The break-up of ice following the winter season took place earlier in 1948 than in the previous two years and the quantity was less. As a consequence, navigation enjoyed greater freedom from ice hazard and some supply vessels were able to complete their voyages ahead of schedule. The following reports indicate the dates of clearing of ice from the vicinity of various reporting points:—

Resolution Island—Ice breaking up from June 11, but occasional bergs sighted throughout the season.

Cape Hope's Advance—Ice mainly clear by July 1, but occasional bergs sighted throughout the season.

Nottingham Island and Chesterfield Inlet—No ice sighted after July 14.

Port Harrison—No ice sighted after June 28.

Port Churchill—No ice sighted after June 25.

Aircraft reports.

Eastern Hudson Bay—

June 28—Cape Jones to north end Richmond Gulf, scattered ice to six miles off shore, then close packed beyond. Richmond Gulf to Port Harrison, scattered ice off shore with heavy close packed on horizon.

July 5—Povungnetuk, Cape Smith, no ice sighted. Hudson Straits, South side—Clear of all ice to twenty miles off Sugluk area.

Churchill to Coral Harbour—

July 5—Open water extending 30 miles off shore from Churchill, then heavy close packed ice approximately 100 miles, then heavy ice with numerous open leads to Coral Harbour.

July 13—Ice 145 miles off Churchill, fifty miles across, extending to the east, after that small patches to within 40 miles of Coral Harbour and solid from there in. Estimated 20% ice over the whole route.

July 20—The only ice sighted was drift ice two miles wide, one mile off Southampton Island shore.

Coral Harbour to Port Harrison—

July 24—No ice sighted on direct flight over this route.

The C.G.S. *N. B. McLean* entered the Strait on July 22, and the first two cargo boats from overseas on August 5.

#### CLOSING OF NAVIGATION

*Hudson Bay*—

Churchill—Reported river frozen on November 10, and no open water in sight on November 20.

Chesterfield Inlet—Ice began to form on the edge of the harbour on November 2, and by November 14 the harbour was frozen solid.

Port Harrison—Reported river frozen November 24 and ice out to inside islands December 25.

Nottingham Island—Reported the cove frozen, but not solid on November 30, with strings of ice near shore.

Cape Hope's Advance—Reported continuous sheet of slob ice December 9.

Resolution Island—Reported no ice in sight except for the occasional berg, up to November 30.

The last overseas cargo vessel passed Resolution October 15 on her way out and the C.G.S. *N. B. McLean* left the Hudson Strait on October 24.

### FOG

The number of days on which fog was reported were as follows:—

Station	July	Aug.	Sept.	Oct.	Nov.	Totals	
						1948	1947
Resolution Island.....	14	17	11	7	2	51	55
Cape Hope's Advance.....	14	13	15	2	5	49	30
Nottingham Island.....	3	7	11	5	0	26	33
Churchill.....	2	1	2	2	2	9	17
Chesterfield Inlet.....	3	9	7	5	3	27	13
Port Harrison.....	3	3	10	3	1	20	46
Coral Harbour.....	2	3	6	3	1	15	-

### AIDS TO NAVIGATION

#### *Radio*

There are five radio direction finding stations on the Hudson Bay Route. Detailed information regarding Aids to Navigation will be found on page 66.

#### *Hydrography*

No survey was carried out this season. See page 21.

#### *Lights*

There are fourteen lights in the Hudson Bay and Strait area, twelve of which are unwatched. A list will be found on page 67 and their locations are indicated on the frontispiece chart.

#### *Fog Signals*

Ships approaching Acadia Cove, Resolution Island may request the firing of an explosive bomb signal. This signal is fired at ten minute intervals by the radio personnel and has an audible range of six miles.

### SHIPPING

Twelve overseas cargo vessels traversed the Hudson Bay Route this season, three of which made a second trip. Details may be found on page 20.

The aircraft carrier *Magnificent* entered the Hudson Strait during the season and the destroyers *Haida* and *Nootka* visited Churchill.

No accidents to cargo ships occurred this season on the steamer route, except that the S.S. *Stanthorpe* grounded while leaving the port of Churchill.

G. C. W. BROWNE,  
Controller of Radio.



C.G.S. *N. B. McLEAN*, CAPTAIN C. A. CARON, MASTER.  
VOYAGE TO HUDSON BAY AND STRAIT, 1948.

The icebreaker *N. B. McLean* commenced her annual voyage from Quebec on July 7, carrying supplies and relief personnel for Northern stations. On the way up to Hudson Straits several calls were made to service light and radio stations and one crew member suffering from meningitis was landed at the Grenfell Mission at St. Anthony.

July 22-25 was spent anchored in Acadia Cove, landing supplies and staff for the Resolution Island Radio station. After a further day cruising off shore for direction finder calibration, the ship left for Cape Hope's Advance which was reached on July 27. Landing of supplies, including a tractor, was started at once and continued through the 28th, when the lighthouse was also put in operation, but on the 31st, with work still to do, surf conditions halted operations until August 6. Two merchant ships, the *Great City* and the *North Anglia*, entered the Straits on August 5, bound for Churchill.

Leaving Cape Hope's Advance on August 6, the next few days were spent in the neighbourhood of Wakeham Bay, putting the Wales Island light into operation, landing cargo for the Wakeham Bay Mission and taking on a supply of fresh water.

Operations at Wakeham Bay completed, the ship crossed to the Baffin Island side of the Strait to put the Ashe Inlet light in operation. On August 11, while anchored at the west end of Charles Island, servicing the light there, many bergs were seen, and two more ships, the *Empire Beatrice* and *Essex Trader*, were in the Strait on their way to Churchill.

After touching at Sugluk to land provisions for the R.C. Mission and spending two days in Erik Cove awaiting favourable landing conditions, the ship arrived at Nottingham Island on August 15. Here, the light was put into operation (Aug. 15), cargo and relief personnel were landed and calibration of the Direction Finding station was carried out.

The ship left Nottingham Island during the night of August 19, for Churchill, calling at Digges Island and Mansel Island to service lights there, leaving Coates Island light for attention later, since the weather was unfavourable. The *Essex Trader* and *Empire Beatrice* on their way out of the Bay, were encountered off Mansel Island.

A light gale caused the vessel to be hove to on the 25th, and Churchill was reached early in the afternoon of August 26.

At Churchill, gasoline for the R.C.A.F., fuel oil, general cargo and bunkers were taken aboard.

Leaving that port on the night of September 1, for Coral Harbour, a heavy swell was encountered on the 3rd, so speed was reduced to 4 knots to protect the deck cargo. However, the next day brought light winds and fog patches, enabling speed to be brought up to ten knots.

At Coral Harbour the lights there and at Bear Island were attended to, landing of cargo and the loading of empty barrels was proceeded with in good weather, and the ship retraced her route to Churchill, at which port she arrived on September 11 and immediately started discharging the empty barrels. On the same day, the destroyers *Haida* and *Nootka* of the Canadian Navy docked at Churchill.

The ship left again on September 18 for Coral Harbour, with 8 R.C.A.F. passengers, one radio operator destined for Nottingham Island, 875 barrels of R.C.A.F. gas, 606 barrels of Diesel oil and other cargo for various stations.

The early afternoon of September 21 found the ship anchoring at Coral Harbour in a high wind which prevented cargo landing on that day and made it difficult on succeeding days. Operations were completed on the 26th, however, and the next day servicing of Coates Island light, which work had been prevented by unsuitable weather on several previous occasions, was finally achieved.

A short visit was paid to Nottingham Island to land provisions, take off outgoing staff and to relight the gas light, and September 29 was spent at Erik Cove, loading fresh water and landing Mission goods. On this date there were three grain ships at Churchill, three on their way out and one coming into the Strait.

The ship anchored at Sugluk at 1 p.m. September 30, remaining there until October 5. This stay provided an opportunity to clean the gyro-compass. A southwest gale was blowing on the 4th, followed by thick fog on the next day, but overcast weather with snow flurries did not prevent reaching Wakeham Bay by 4 p.m. on the 6th.

The intention was to remain at Wakeham Bay until the last ship from Churchill, the *Karteria*, was safely through the Strait. She was abeam of Resolution Island on October 15, but the *N. B. McLean* remained at Wakeham Bay until the 19th, as strong winds were blowing, with thick snow, not only there, but also at Cape Hope's Advance and Resolution Island.

The effects of this storm were still noticeable when the ship reached Cape Hope's Advance at daylight on October 20, after an overnight run.

Surf made it impossible to land during that and the following day, but by noon on the 23rd work was completed and the ship left for Resolution Island.

One day sufficed for the work at this last port of call, and the *N. B. McLean* left Hudson Strait on October 24, southbound to pick up at St. Anthony the seaman left there on her way north, and thence to Quebec, where she arrived on October 30.

### S. S. EMPIRE BEATRICE

REPORT BY CAPTAIN W. J. CLOKE, MASTER

During the 1948 voyage from the United Kingdom to Port Churchill, navigation presented no great difficulties. The ship's Gyro Compass and Radar installation proved invaluable and saved considerable time.

Very heavy weather was experienced on both voyages, with the usual amount of fog. Bergs were fairly numerous between 60 degrees west and Charles Island, but were no handicap with the Radar, which picked out small growlers at one and one half miles and bergs up to eight.

The approach to Churchill presents no difficulty during daylight. In clear weather the elevator is visible up to twenty miles, while the new water tower at Fort Churchill is also a conspicuous landmark. At night, however, the light on the elevator is very poor and has no reflector, so that unless accustomed to the port and fitted with Radar it would be advisable for ships to adjust speed to arrive during daylight.

On arrival all ships should have a three inch wire strap about four fathoms long to enable them to make their cables fast to the wharf. Very strong currents are experienced, especially on the ebb tide, which seem to attain maximum velocity at the wharf with the result that it is practically impossible to keep a ship alongside with ordinary moorings.

I consider that we had a very successful season.

## S. S. EMPIRE BEATRICE

## EXTRACTS FROM LOG, MIDDLESBOROUGH, ENGLAND TO CHURCHILL

Date 1948	Position		Wind	Remarks
	Lat. N	Long. W		
July	° /	° /		
28				Sailed from Middlesborough.
30				Arrived and sailed, Antwerp.
31	52 29	01 55	SW 4	Slight sea, poor visibility.
Aug.				
1	56 22	01 30	SW 2	Smooth sea, poor visibility.
2	59 29	03 46	NE 4/6	First dense fog, later strong wind, rough sea.
3	59 06	12 27	NNE 3	Slight sea, clear.
4	58 44	21 31	S 2	Slight sea, fog patches.
5	58 25	30 24	SE 2/4	Slight following sea, drizzle, poor visibility.
6	58 03	39 30	N 3	Slight sea, fog patches.
7	58 47	46 20	NW 3/6	Dense fog, rough sea.
8	59 31	53 19	NW 5	Moderate sea, clear.
9	60 51	62 24	NW/SW	Smooth sea, fog patches, sighted berg 62.W.
10	62 01	70 10	W 3	Dense fog, many bergs, easy speeds, Radar not working.
11	63 00	78 25	NW 5/2	Rough to smooth sea, many bergs, clear. Stopped off Nottingham Island to embark passenger for Churchill.
12	60 47	86 53	W 4	Slight sea, clear.
13				Arrived Churchill 1019.

## EXTRACTS FROM LOG, CHURCHILL TO AVONMOUTH

Aug.				
21				Sailed from Churchill.
22	60 18	88 49	SE 4	Rough sea, clear.
23	62 20	81 11	SW 4	Rough sea, fog patches.
24	62 20	71 57	Var. 2	Smooth sea, dense fog, numerous bergs.
25	60 52	64 08	Var. 2	Smooth sea, dense fog, numerous bergs.
26	60 10	57 29	S 7	Moderate gale, high sea.
27	59 08	49 39	S 3	Moderate head swell, overcast, clear.
28	57 58	42 29	S 2	Moderate head swell, overcast, clear.
29	57 54	35 03	SSE 2	Moderate beam swell, cloudy, clear.
30	57 54	27 21	SE 2	Moderate beam swell, cloudy, clear.
31	57 19	20 18	NE 6	Rough sea, heavy rain, cloudy, clear.
Sept.				
1	51 31	10 30	SW 7	Rough sea, moderate visibility.
2				Arrived Avonmouth.

## EXTRACTS FROM LOG, CARDIFF TO CHURCHILL

Sept.				
13				Sailed from Cardiff.
14	55 24	06 36	W 4/5	Slight sea, clear.
15	56 07	12 08	NW 6	Very rough sea, cloudy, clear.
16	57 54	15 01	SW 7	Very rough sea, cloudy, clear.
17	57 35	16 19	SW 8	Very rough sea, cloudy, clear.
18	57 42	20 49	WSW 4	Very heavy swell, cloudy, clear, rain.
19	57 41	25 11	WNW 6	Very heavy swell, cloudy, clear, rain.
20	57 41	32 43	N/E 4	Moderate swell, cloudy, clear.
21	57 41	40 13	NE 4	Moderate sea and swell, rain.
22	57 42	47 30	N 5/7	Moderate sea and swell, moderate visibility.
23	59 21	55 27	WNW 3	Moderate sea and swell, fog patches.
24	60 57	63 03	NW 5/6	Moderate sea and swell, fog patches, passing bergs.
25	62 23	72 17	W 3	Slight sea and swell, fog, numerous bergs. 3.37 p.m. Cape Moses Oates, last berg.
26	62 07	81 43	SW 5	Slight sea, heavily clouded, some rain.
27	60 06	90 14	W 6/1	Slight sea, cloudy and clear. Arrived Churchill 11.24 p.m.

## EXTRACTS FROM LOG, CHURCHILL TO LIVERPOOL

Oct.				
2				Sailed from Churchill.
3	60 34	88 15	SE 3	Slight sea, cloudy and clear.
4	62 30	79 53	SW/NW 7/3	Moderate sea, overcast, clear.
5	62 05	70 50	Var. 2	Moderate sea, overcast, clear.
6	60 38	61 30	Var. 2	Slight sea, dense fog at times, numerous bergs.
7	59 18	53 08	N 2	Slight sea, snow flurries.
8	58 09	45 31	N 7	High sea, snow, poor visibility.
9	56 12	39 29	NW 9	Shipping heavy seas, cloudy, clear.
10	54 52	32 27	W 10/6	Similar weather, moderating.
11	54 51	25 10	W 6	Similar weather, moderating.
12	55 00	17 33	W 5	Similar weather, moderating.
13	55 27	10 10	SW 6/8	High confused sea, overcast, clear, rain.
14	53 49	04 17	SW 3/6	Slight sea, overcast, rain. Arrived Liverpool.

## S. S. STANTHORPE

## REPORT OF CAPTAIN R. G. ROBERTS, MASTER

This was my first voyage in Hudson Bay waters and the weather, both on the inward and return passage, was outstandingly fine, and very mild and pleasant at Churchill.

The Direction Finding stations were found very reliable, although Nottingham Island is only calibrated as a lead from the Bay.

Precautionary measures were taken in the Straits and approaches, by reducing speed after dark and mounting two small searchlights on the bows, so that it would be possible to see any bergs far enough ahead to take successful evasive action, keeping in mind that some bergs have a number of growlers round them, often of considerable size.

The light buoy established in the approach to Port Churchill is a very useful guide to the anchorage both by day and night, particularly for the first tripper.

My experience at Churchill was not a happy one as we grounded when sailing, but the co-operation afterwards was excellent in discharging some of the cargo. Everyone was most helpful.

As we were not fitted with Radar, I have to confine myself to saying that the best friend on a voyage to Churchill is a reliable Gyro Compass.

## S. S. STANTHORPE

## EXTRACTS FROM LOG, HAMBURG TO CHURCHILL

Date	Position		Baro.	Wind	Temp.	Remarks
	Lat.	Long.				
Sept.	° ' / ° ' /					
3.....	54 33N	05 29E	29.50	SW 4	60	Mod. sea and swell.
4.....	57 41N	00 50W	29.78	Var. 3	58	Slight sea. Thick fog.
5.....						In Stornaway Harbour.
6.....	58 41N	11 37W	29.64	SW 4	54	Slight sea, mod. swell.
7.....	58 45	19 58	29.16	Var. 4	53	Mod. sea and swell.
8.....	58 37	28 42	29.67	NW 3	53	Slight sea, heavy swell.
9.....	58 37	37 38	29.75	W 6	47	Mod. sea and swell.
10.....	58 57	47 00	29.92	Var. 2	46	Slight sea and swell. Passed small berg.
11.....	60 11	56 44	29.76	E 2	47	Slight sea and swell.
12.....	61 03	65 37	29.75	NNW 3	41	Slight sea. Cape Chidley abeam 0918. Reduced speed in fog patches. Passed many bergs and growlers.
13.....	62 35	72 58	29.84	NNW 2	34	Calm and smooth. Passed Charles Island. Many bergs and growlers.
14.....	61 47	83 07	30.05	WNW 2	44	Smooth sea. Passed Mansel Island.
15.....	59 26	91 59	30.29	WNW 3	46	Slight sea and swell.
15.....						Arrived Churchill.

## EXTRACTS FROM LOG, CHURCHILL TO LONDON

Sept.						
26.....	58 56	93 57	30.10	SW 2	51	Left Churchill.
27.....	60 58	86 29	30.30	NE 2	46	Fine and clear. Smooth sea.
28.....	62 46	78 12	30.26	SE 2	38	Slight sea. Low swell.
29.....	62 04	70 05	29.94	ESE 4	36	Mod. sea and swell. Passed Resolution Island. Numerous bergs and growlers.
30.....	60 46	62 35	29.86	E 4	38	Passed nine bergs.

*S. S. TRIBERG*

REPORT BY CAPTAIN A. M. SUTHERLAND, MASTER

From the south coast of Ireland, course was set to pass about 60 miles south of Cape Farewell.

Strong head winds were experienced most of the way across the Atlantic but no ice was encountered until about fifty miles east of Resolution Island.

In Hudson Strait there were patches of fog until entering the Bay, after which the weather cleared and remained fine until arrival at Port Churchill. Many bergs were encountered between Resolution and Big Island.

Full use was made of the Direction Finding and Coast Radio stations, which were found to be extremely helpful in navigating the Strait.

All ice sighted was reported to Resolution Island radio station.

For mooring while in the port of Churchill we used the bight of our anchor chain as an additional head line and had no difficulty in holding the vessel alongside at all times.

On the outward passage fine and clear weather prevailed across the Bay and through the Strait. Many bergs were seen between Big Island and about one hundred miles east of Resolution Island.

*S. S. TRIBERG*

## EXTRACTS FROM LOG, ROTTERDAM TO CHURCHILL

Date	Position		Wind	Weather
	Lat.	Long.		
Sept.	° '	° '		
4.....				Left Rotterdam.
7.....				Left Southampton.
8.....	49 56	4 31	SW 5	Fresh head wind and moderate sea, cloudy, clear.
9.....	51 16	10 24	SW 4	Cloudy, clear, slight sea.
10.....	53 26	15 10	WSW 6/7	Rough sea. Rolling and pitching heavily.
11.....	54 39	18 37	Wly 6	Very rough. Pounding heavily.
12.....	56 00	25 00	WSW 4	Heavy swell. Rolling heavily.
13.....	51 21	28 48	Wly N 7/8	Head wind, high sea, heavy swell.
14.....	57 51	33 40	WSW 6	Head wind, rough sea, heavy swell.
15.....	58 11	39 23	WNW 7	Moderate gale, very rough sea, rolling heavily.
16.....	59 01	46 53	NW 4	Moderate head wind. Rolling easily.
17.....	60 00	53 22	NW 5	Rough sea. Pitching and pounding.
18.....	61 01	62 10	SSE 5	Overcast, clear, rough sea, moderate swell.
19.....	62 03	70 48	NNW 2	Overcast. Fog banks. Smooth sea.
20.....	62 44	79 10	Nly W 6	Cloudy. Rough beam sea. Rolling heavily.
21.....	60 47	87 25	SSW 4	Fine, clear. Light sea and swell.
22.....	58 52	94 05	SSW 4	Fine, clear, slight sea and swell.
23.....				Arrived Churchill.

## EXTRACTS FROM LOG, CHURCHILL TO AVONMOUTH

Sept.				
25.....	58 58	93 55	SW 2	Left Churchill. Fine and clear.
26.....	60 48	86 55	WSW 5	Fine, clear, moderate sea and swell.
27.....	62 27	80 06	Nly 5	Cloudy, clear, moderate sea and swell..
28.....	62 15	72 19	Nly W 4	Overcast, clear, slight sea and swell.
29.....	60 55	64 40	SSW 3	Fine, clear, smooth sea, slight swell. Clear of Straits.

*S. S. TRICAPE*

REPORT BY CAPTAIN STUART C. GORDON, MASTER

On the voyage to Port Churchill fine weather was experienced all the way from Halifax to the western end of Belle Isle Strait, but from there on considerable fog was encountered.

A few icebergs were seen inshore and grounded between Belle Isle and the entrance to the Hudson Strait. While in the Strait there were many bergs, requiring the exercise of great caution and the stopping of the ship during fog patches. After entering Hudson Bay neither fog nor bergs were encountered.

Excellent bearings were obtainable from the Direction Finding stations to enable the vessel's position to be fixed at any time.

Ships fitted with Radar would have a great advantage when navigating the Hudson Straits.

Considerable magnetic disturbances were experienced in Hudson Bay.

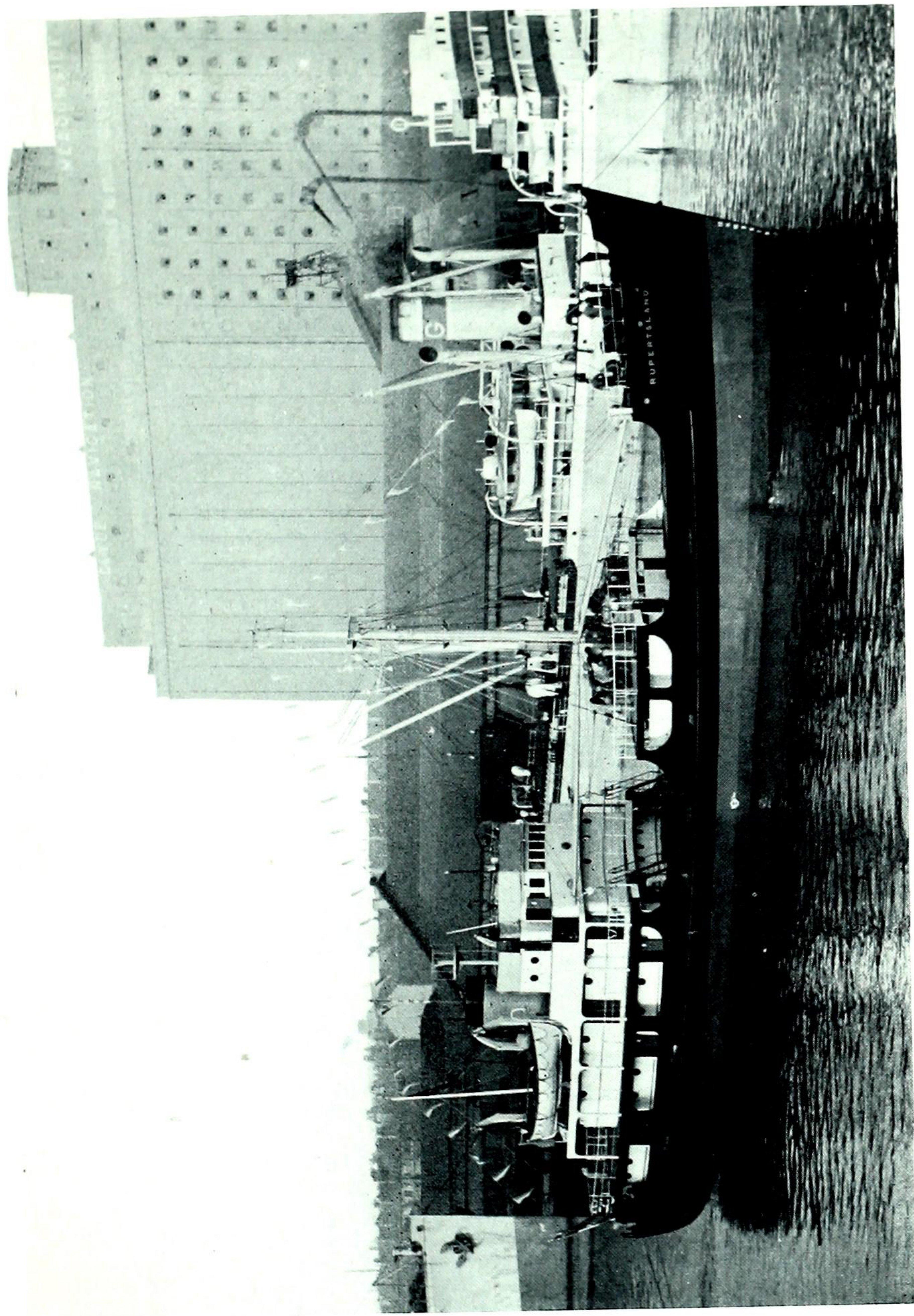
*S. S. TRICAPE*

## EXTRACTS FROM LOG, HALIFAX TO CHURCHILL

Date	Position		Baro.	Wind	Temp.	Remarks
	Lat. N	Long. W				
Sept.	° '	° '				
17						Left Halifax.
18	45 33	60 03	30.02	S 3	53	Overcast, slight swell.
19	49 46	58 09	29.66	ESE 4	48	Overcast, rough sea, rain. Point Amour abeam 2305.
20	53 12	55 10	29.90	Sly 1	44	Thick fog.
21	57 09	57 55	30.02	SE 3	49	Cloudy, clear, moderate swell.
22	60 27	63 07	30.07	Var. 1	32	Fog, calm, bergs numerous.
22						Resolution Island abeam 1945.
23	61 35	67 00	29.95	Wly 3	34	Fog, moderate sea, bergs numerous.
24	62 57	74 34	30.23	NW 3	33	Cloudy, occasional mist and drizzle.
24						Nottingham Island abeam 1915.
25	61 48	84 13	29.93	W 3	46	Overcast, moderate sea, clear.
25						Carey's Swan Nest light abeam, 4 miles, 0715.
26	59 27	92 16	29.93	SW 4	47	Fine, clear, rough sea.
26						Arrived Churchill.

## EXTRACTS FROM LOG, CHURCHILL TO U. K.

Sept.						
29						Left Churchill.
30	60 32	88 08	29.48	N 5	38	Strong wind, rough sea, rain and snow.
Oct.						
1	62 02	83 10	29.74	NW 4	32	Moderating gale, shipping spray. Carey's Swan Nest light abeam, 5 miles, 1300.
1						
2	62 50	75 40	29.78	SW 4	34	Cloudy, clear, moderate swell.
2						Nottingham Island abeam 0515.
3	61 44	67 30	29.86	Wly 4	40	Numerous bergs and growlers.
3						Big Island light abeam 0130, Resolution Island 2100.



The M. V. Rupertsland, recent addition to the Hudson's Bay Company fleet

## S. S. KARTERIA

REPORT BY CAPTAIN V. M. RAGG, MASTER

On the inward passage, ice was first met off the entrance to Hudson Strait, in approximately 63°W. From this position to the western end of the Strait, at Nottingham Island, numerous bergs, both large and small were passed, but on the passage across Hudson Bay to Churchill no bergs were observed.

The Direction Finding Stations along the route gave every assistance. Port Churchill in particular was found to be very reliable and accurate. Weather reports were quite frequent and reliable, and could be obtained on request.

During the whole passage in the Bay and Strait, frequent snowflurries and storms were encountered which reduced visibility to zero.

## S. S. KARTERIA

## EXTRACTS FROM LOG, ROTTERDAM TO CHURCHILL

Date 1948	Position		Course	Wind	Remarks
	Lat. N	Long W			
Sept.	° ' / ° ' /				
19.....	53 36	04 00E	Var.	W 3	Moderate sea and swell.
20.....	55 04	02 15E	Var.	NW 6	Rough sea and swell.
21.....	55 52	00 30E	Var.	NNW 7	Rough sea and swell.
22.....	57 41	01 41W	Var.	NNW 6	Rough sea and swell.
23.....	58 52	05 49	Var.	Var. 2	Calm sea, low swell.
24.....	59 45	12 30	283	Calm	Calm sea, low swell.
25.....	60 24	20 35	279	E 3	Moderate sea and swell.
26.....	60 18	28 01	268	ENE 7	Rough sea and swell.
27.....	60 16	35 15	269	ENE 7	Rough sea and swell.
28.....	59 19	42 30	255	ENE 4	Moderate sea and swell. Abeam Cape Farewell 1800.
29.....	59 54	48 52	Var.	NW 3	Slight sea and swell.
30.....	60 44	55 20	285	NW 2	Slight sea and swell.
Oct.					
1.....	61 04	62 40	275	Var. 3	Slight sea and swell.
1.....					Abeam Acadia Cove, Resolution Island. 1900
2.....	61 55	69 22	Var.	WNW 3	Slight sea and swell.
3.....					Abeam Charles Island East light 0200.
3.....	62 49	77 17	Var.	WNW 3	Slight sea and swell.
3.....					Abeam Digges Island 14 miles distant, 1420.
4.....	61 34	84 00	Var.	WNW 3	Slight sea and swell.
5.....	59 42	91 42	Var.	Var. 3	Slight sea and swell.
5.....					Arrived Churchill 2115.

## EXTRACTS FROM LOG, CHURCHILL TO BUTTON ISLAND

Oct.					
10.....					Left Churchill 1205.
11.....	60 12	88 52	Var.	SW 3	Slight sea.
12.....	61 33	83 48	061	Var. 2	Slight sea.
13.....	62 35	78 44	Var.	S 3	Slight sea. Snow.
14.....					Abeam Charles Island West end, 7 miles 0107.
14.....	62 20	71 22	Var.	Var. 6	Rough sea, heavy snow.
15.....	60 54	64 57	Var.	W 7	Rough sea, heavy snow.
15.....					Abeam Button Island 10 miles 1315.



## S. S. FORT ERIE

REPORT BY CAPTAIN JAS. STEVENSON, MASTER

During the outward voyage from Liverpool to Port Churchill rough to moderate weather was experienced and fog was encountered south west of Cape Farewell.

Icebergs were not observed until approaching Hudson Strait, where they were numerous. In the Strait itself many bergs and growlers were seen and as a precaution the vessel was stopped during the hours of darkness, both on the inward and outward passage.

Once Hudson Bay was entered there was no ice at all.

Approaching the Port of Churchill as a first voyager, it was thought prudent to anchor a good distance off during the night and make a careful daylight entrance.

Loading facilities are excellent, except for a shortage of trimmers. Harbour officials are very helpful and most ships' requirements are dealt with accordingly.

## EXTRACTS FROM LOG, LIVERPOOL TO PORT CHURCHILL

Date	Position		Remarks
	Lat. N	Long. W	
Sept.	° ' .	° ' .	
15.....			Left Liverpool 8 p.m. Fresh NW wind.
16.....	55 30	07 11	Strong wind, rough sea, cloudy, showery.
17.....	55 50	10 12	Moderate WSW gale, heavy sea, overcast, clear.
18.....	56 52	17 20	Fresh W wind, heavy swell, overcast with rain.
19.....	57 10	24 19	Fresh NW wind, moderate sea, heavy swell, overcast.
20.....	57 10	32 16	Moderate easterly wind, moderate sea, heavy swell, light rain.
21.....	57 10	40 06	Light easterly wind, slight sea, moderate swell, rain.
22.....	58 04	49 40	Gentle northerly breeze, slight sea, clear.
23.....	59 46	58 00	Light breeze, slight sea, fog patches.
24.....	61 15	66 19	Icebergs observed. Stopped during dark hours.
25.....	62 44	73 45	Icebergs observed. Stopped during dark hours. Hazy.
26.....	61 53	83 20	Strong WSW wind, moderate sea, fine and clear.
27.....			Anchored Churchill 9.30 p.m.

## EXTRACTS FROM LOG, PORT CHURCHILL TO GLASGOW

Oct.			
1.....			Left Churchill 3 p.m. moderate SW wind, fine and clear.
2.....	60 16	88 30	Light breeze, slight sea, fine and clear.
3.....	62 16	80 46	Strong southerly wind, slight sea, overcast with snow flurries.
4.....	62 25	72 16	Light SW wind, moderate sea, overcast, clear, numerous bergs. Vessel stopped during dark hours.
5.....			Similar conditions. Numerous bergs in vicinity.
6.....	60 38	60 34	Clear of Strait, moderate westerly wind, moderate sea, clear.

## M. V. JOHN LYRAS, CAPTAIN T. C. ENOS, O.B.E., MASTER

## EXTRACTS FROM LOG, AVONMOUTH TO CHURCHILL

Date 1948	Position		Course	Wind	Remarks
	Lat. N	Long. W			
Sept.	° ' ,	° ' ,			
9					Left Avonmouth 1300.
10	51 18	10 13	Var.	SSW 4/5	Moderate to rough sea, moderate swell, cloudy, clear.
11	51 59	14 43	284	WNW 4/5	Rough sea, moderate to heavy swell, cloudy, passing rain.
12	52 27	21 04	284	NW 4	Moderate sea and swell, overcast, clear.
13	53 52	26 10	287	W by N 5/6	Rough sea, heavy swell, overcast, occasional fog patches.
14	54 20	30 53	280	WNW 4	Moderate to rough sea and swell, overcast, clear.
15	54 59	35 08	285	SW by W 7/9	Rough sea, heavy swell, overcast, occasional rain.
16	55 44	41 13	280½	Var. 5/8	High sea, heavy swell, cloudy, occasional drizzle.
17	56 45	47 39	286	W by N 5	Moderate sea and swell, cloudy, clear, rain squalls.
18	58 30	54 55	294	W by N 4/5	Slight to moderate sea, slight swell, cloudy, clear.
19	60 37	62 45	298	Sly. 4/5	Slight to moderate sea, slight swell, overcast, occasional fog patches. Passed 4 icebergs outside Cape Resolution. Received report of 16 bergs in position about halfway up the Straits.
20	62 19	71 32	Var.	Var. 2	Overcast. Speed reduced 2300 until 0456 in dense fog.
21	62 20	81 22	Var.	Var. 5/6	Slight to moderate sea, overcast. Last berg sighted off Charles Island distant 20 miles.
22	60 19	89 55	244	Sly. 4/5	Slight to moderate sea, fine and clear.
23					Arrived Churchill 0400.

## EXTRACTS FROM LOG, CHURCHILL TO HULL

Sept.					
26					Left Churchill 1100.
27	61 09	86 01	Var.	ENE 2/3	Slight sea, fine and clear.
28	62 46	77 21	Var.	Var. 2/3	Smooth to slight sea, cloudy, clear. Charles Island abeam 1934, then continuously passing bergs until 50 miles clear of Resolution Island.
29	61 32	68 57	Var.	SSE 4/5	Moderate sea, overcast, clear. Resolution Island abeam 2324, slight sea and swell.
30	60 19	60 38	Var.	SE 3/4	Cloudy, fine and clear.
Oct.					
1	58 57	52 06	108	Var. 2	Slight sea, cloudy, occasional drizzle.
2	58 09	43 37	100½	W 4	Slight to moderate sea, cloudy, clear.
3	58 57	35 34	Var.	W 4	Rough sea, heavy swell, overcast, clear.
4	59 30	26 50	083	W by S 5/6	Rough sea, moderate swell, overcast, occasional drizzle.
5	59 33	18 18	089½	SW 6/7	Rough sea, heavy swell, overcast, occasional rain.
6	59 05	9 47	096	SW 6	Rough sea, heavy swell, overcast, passing rain.
7	58 01	2 11	Var.	SW 4/5	Moderate to rough sea, overcast, clear.
8	53 37	0 18E	Var.	Var. 3/2	Anchored Hull Roads 1533.

## M. V. EARLE'S TRADER, CAPTAIN C. SQUIRES, MASTER

EXTRACTS FROM LOG OF VOYAGE FROM CARBONEAR, NFLD. VIA SYDNEY N.S.  
TO WESTERN HUDSON BAY POINTS.

Date	Position	Wind	Weather
Aug.			
4.....	Left Sydney, noon.....	Lt. NW.....	Smooth sea, fine and clear.
5.....		Lt. W/NW.....	Fine and clear.
6.....	In Belle Isle Strait.....	ENE.....	Smooth sea, fine.
7.....		Strong SSE.....	Speed reduced in thick fog. Numerous bergs.
8.....		SSE.....	Bergs and dense fog. Speed reduced. Smooth sea.
9.....	Approaching Cape Mugford....	Lt. NNE.....	Fog cleared in afternoon. Smooth sea. Bergs.
10.....	Passed Button Islands 8 p.m.	Lt. to Str. WSW....	Rain and fog. Choppy sea.
11.....	Passing Cape Hope's Advance	Str. N.....	Rough sea. Heavy tide rips. Making poor headway. Cargo afloat forward deck.
12.....	Along Ungava coast to Erik Cove.	Fresh NW.....	Dense fog and rain. Westerly gale at night.
13.....	Sheltering in Erik Cove.....	WSW Gale.....	Thick fog and rain. Heavy weather.
14.....	Erik Cove to Mansel Island....	Fresh NNE.....	Choppy sea. Reduced speed.
15.....	Crossing Hudson's Bay.....	Fresh N.....	Clear, some rain.
16.....	Arrived Chesterfield 4 p.m....	Str. SE.....	Thick fog and rain in afternoon.
17.....	Left Chesterfield 8 a.m.....	Str. SE.....	Fine and clear.
18.....	Arrived Baker Lake 3.30 p.m..		Fresh wind and rain.
25.....	Left Baker Lake 3 p.m.....	Strong NW.....	Bad weather since arrival.
26.....	Arrived Chesterfield 6 p.m....	Strong WNW.....	
27.....	Left Chesterfield 6 a.m.....	Strong NW.....	Compass in error, due to magnetic disturbance.
28.....	Anchored Churchill 7 p.m.....	Mod. SSE.....	Too much shipping to get alongside.
Sept.			
2.....	Left Churchill 6.30 a.m.....	Mod. WNW.....	Smooth sea.
3.....			Very rough sea.
4.....	Arrived Chesterfield 3 p.m....	Fresh E.....	Fog, lifting at noon.
6.....	Left Chesterfield 6.30 a.m.....	Calm.	
7.....	Arrived Baker Lake 4 p.m....	W.....	Cloudy.
13.....	Left Baker Lake 5.30 a.m.		
14.....	Arrived and left Chesterfield..	Fresh N.....	Fine and clear.
15.....	In Hudson's Bay.....	Str. SW.....	Very bad weather towards evening.
16.....	Arrived Churchill 6 a.m.....	Str. SW.....	Rain.
20.....	Left Churchill 5.45 a.m.....	NE/SSE Gale.....	Heavy sea.
21.....	Arrived Chesterfield 6 p.m....	SSE/SSW.....	Gale force wind, rough sea.
22.....	Left for Baker Lake.....	W.....	
23.....	Arrived Baker Lake 4.45 p.m..	Strong ESE.....	
30.....	Left Baker Lake 8 a.m.....	Strong N.....	Cold and snow flurries.
Oct.			
1.....	Left Chesterfield 3.20 p.m.....	Fresh NW.....	All HBC business completed. Overcast, freezing, snow flurries.
2.....	Off Coates Island.....	Strong NW/N.....	Fairly smooth sea. Thick snow squalls.
3.....	In Hudson Strait.....	Str. N/Mod. S....	Snow flurries.
4.....	In Hudson Strait.....	S/NW.....	Rough sea, moderating gale. Several large bergs.
5.....	Button Islands 7 a.m.....	Fresh NNW.....	Fine and clear.
6.....	40 miles off Labrador coast....	Fresh E.....	Overcast. Scattered bergs.
7.....		Strong NE.....	Cloudy and threatening.
8.....	Off South Wolf Islands.....	Strong NE.....	Cloudy.
9.....	Arrived Salmon Bight, 2 p.m..	NW.....	Cloudy.

M. V. *ESKIMO*, CAPTAIN J. WALTERS, MASTER  
 EXTRACTS FROM LOG, RESOLUTION ISLAND TO CHURCHILL

Date	Position	Wind	Weather
<b>July</b>			
20.....	Abeam Resolution Is. 9.25....	Light SSW.....	Smooth sea, some bergs, period of fog.
21.....	Arrived Lake Harbour 1.45 pm	Lt. SE.....	Fine and clear, many bergs, smooth sea.
23.....	Left Lake Harbour 4.30 a.m.	Lt. WNW.....	Fine and clear, several bergs.
24.....	Called at Port Burwell.....	Lt. Var.....	Fine and clear. Occasional strings of ice.
25.....	Called at George River.....	Lt. NE.....	Fine and clear.
26.....	Approaching Chimo.....	Lt. N.....	Fine and clear.
27.....	Arrived Chimo 3 p.m.....	Lt. N.....	Fine and clear.
30.....	Left Chimo 4.30 p.m.....	Lt. N.....	Fog on water.
31.....	In Ungava Bay.....	Str. NE.....	Heavy sea. Speed reduced.
<b>Aug.</b>			
1.....	In Ungava Bay.....	Str. NE.....	Heavy sea. Thick fog. Scattered bergs.
2.....	In Ungava Bay.....	NE/E.....	Decreasing wind and sea.
3.....	At Anchor off Payne Bay.....	Lt. NNW.....	Thick fog.
4.....	Arrived Payne Bay 9.25 p.m..	Lt. NE.....	Smooth sea. Fog.
6.....	Left Payne Bay 11.30 a.m.....	Calm.....	Heavy swell. Thick fog at night.
7.....	.....	Lt. SSE.....	Fog, strings of ice and field ice.
8.....	Crossing Hudson Strait.....	Calm.....	Dense fog at times, loose ice.
9.....	Arrived Lake Harbour 5.50 am	.....	Fine and clear.
11.....	Left Lake Harbour 7 a.m.....	Lt. NNW.....	Fine and clear.
12.....	In Hudson Strait.....	Lt. NNW.....	Smooth sea, thick fog.
13.....	61 38 83 32.....	Str. WNW.....	Heavy sea, overcast.
14.....	61 11, 86 44.....	Str. NNW.....	Heavy swell, fine and clear.
15.....	Arrived Churchill 5.20 p.m....	Lt. WSW.....	Moderate sea, clear and fine.

Date	Lat	Long	Time	Wind	Weather
20	60 18	09 26	09 26	Light SSW	Smooth sea, some bergs, period of fog.
21	61 19	01 30	01 30	Lt. SE	Fine and clear, many bergs, smooth sea.
23	60 41	53 01	53 01	Lt. WNW	Fine and clear, several bergs.
24	61 05	02 05	02 05	Lt. Var	Fine and clear. Occasional strings of ice.
25	60 34	34 28	34 28	Lt. NE	Fine and clear.
26	60 30	40 30	40 30	Lt. N	Fine and clear.
27	60 26	09 08	09 08	Lt. N	Fine and clear.
30	60 02	30 32	30 32	Lt. N	Fog on water.
31	60 01	30 34	30 34	Str. NE	Heavy sea. Speed reduced.
1	60 09	25 33	25 33	Str. NE	Heavy sea. Thick fog. Scattered bergs.
2	60 02	13 16	13 16	NE/E	Decreasing wind and sea.
3	60 01	09 53	09 53	Lt. NNW	Thick fog.
4	60 00	05 32	05 32	Lt. NE	Smooth sea. Fog.
6	60 00	00 00	00 00	Calm	Heavy swell. Thick fog at night.
7	60 00	00 00	00 00	Lt. SSE	Fog, strings of ice and field ice.
8	60 00	00 00	00 00	Calm	Dense fog at times, loose ice.
9	60 00	00 00	00 00		Fine and clear.
11	60 00	00 00	00 00	Lt. NNW	Fine and clear.
12	60 00	00 00	00 00	Lt. NNW	Smooth sea, thick fog.
13	60 38	83 32	83 32	Str. WNW	Heavy sea, overcast.
14	61 11	86 44	86 44	Str. NNW	Heavy swell, fine and clear.
15	61 11	86 44	86 44	Lt. WSW	Moderate sea, clear and fine.

S. S. MARIETTA DAL

EXTRACTS FROM LOG, GRANGEMOUTH TO CHURCHILL

Date 1948	Position		Barometer		Temperature		Wind		Remarks	
	Lat. N	Long. W	Noon	Mdnt.	Noon	Mdnt.	Noon	Mdnt.	Noon	Midnight
Aug. 6.....	° /	° /			°	°				
7.....	56 15	02 27	996.5	995.7	62	56	NE 4	NE by N 5	Sailed from Grangemouth. Overcast. Heavy rain. Moderate visibility.	Overcast, clear. Rough sea, heavy swell. Rolling heavily.
8.....	58 44	05 32	997.9	1006.6	55	52	NNE 4	NNE 4/5	Overcast. Squally. Moderate sea and swell. Rolling.	Overcast. Moderate sea and swell. Moderate rolling.
9.....	58 43	14 19	1009.8	1004.2	55	54	NW 2	SSW 4	Fine and clear. Slight sea and swell.	Fine and clear. Slight sea and swell.
10.....	58 56	22 23	1000.9	1004.9	54	52	WSW 4/5	NNW 3	Fine, cloudy and clear. Occasional rain squalls.	Cloudy. Occasional rain squalls. Moderate pitching.
11.....	58 51	29 34	1013.7	1014.0	51	49	SWly 3	SW 5	Overcast, clear. Slight sea and swell. Rain squalls.	Overcast with showers. Engines racing due to pitching.
12.....	59 05	36 35	1011.6	1008.9	50	45	SWly 3	SW 5/6	Slight sea and swell. Thick fog patches.	Overcast. Moderate sea and swell. Clear. Pitching and rolling.
13.....	58 58	43 08	1009.5	1017.5	45	46	W 8	NW 6	Fine and clear. Rough sea. Heavy swell. Pitching and rolling.	Fine and clear. Moderate sea and swell. Pitching.
14.....	59 20	49 30	1013.9	1003.6	50	48	Sly 3	SE 3	Overcast, fine and clear. Slight sea and swell.	Slight sea and swell. Thick fog.
15.....	60 34	57 56	999.6	1006.0	46	38	NW 3	NW by W 3	Cloudy, fine and clear. Slight sea and swell.	Cloudy. Fine and clear. Slight sea and swell.
16.....	61 07	65 02	1008.5	1012.8	38	39	SW/W 2	NNW 3	Cloudy, fine and clear. Slight sea and swell.	Fine and clear. Slight sea and swell.
17.....	62 44	73 01	1012.9	1004.0	44	43	SE by E 2	SE 3	Cloudy, fine and clear. Slight sea.	Overcast. Visibility occasionally bad due to heavy rain squalls.
18.....	62 18	81 30	997.0	1007.5	50	50	SSE 3	Nly 3/4	Overcast. Rain squalls. Visibility moderate to good.	Fine and clear. Slight sea, moderate swell.
19.....	60 18	88 58	1016.4	1006.0	52	53	Calm	SE 4	Cloudy, fine and clear. Slight sea and swell.	Overcast. Rain squalls. Moderate sea, heavy swell. Rolling.
20.....									Arrived Churchill.	

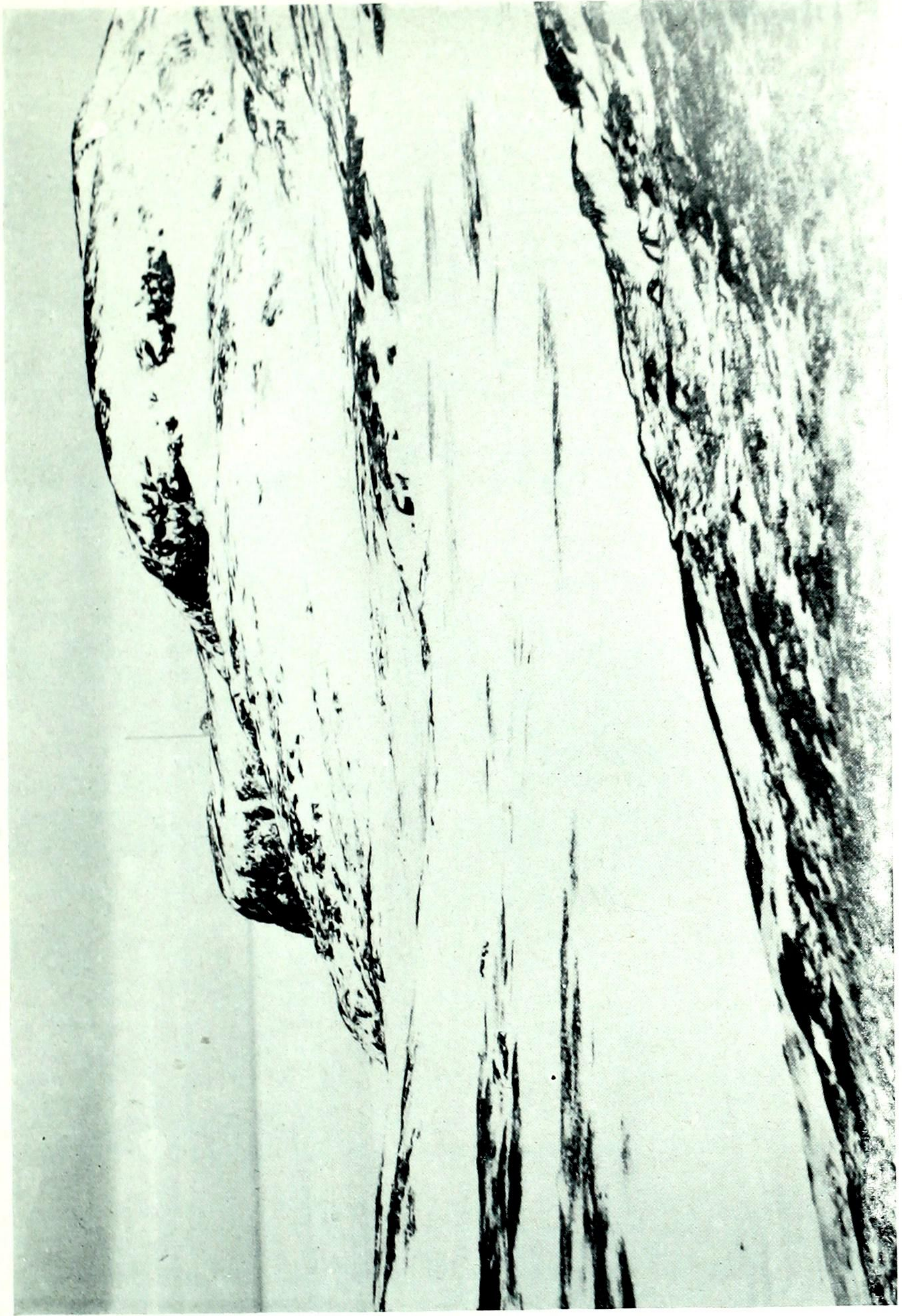
EXTRACTS FROM LOG, CHURCHILL TO ENGLISH CHANNEL

Date 1948	Position		Barometer		Temperature		Wind		Remarks	
	Lat. N	Long. W	Noon	Mdnt.	Noon	Mdnt.	Noon	Mdnt.	Noon	Midnight
Aug. 31.....	° ' .....	° ' .....	.....	.....	° .....	° .....	.....	.....	Left Churchill.	
Sept. 1.....	60 29	88 12	999.4	1002.7	46	45	SSE 3	Sly 3	Overcast, slight sea, moderate swell. Shipping water amidships.	Slight sea, heavy swell. Thick fog.
2.....	62 05	81 48	1002.3	1002.5	47	43	SSW 3	NEly 2	Moderate sea and swell. Moderate fog.	Cloudy, fine and clear. Slight sea, moderate swell.
3.....	62 29	71 24	999.9	1000.9	40	36	SE 2	E by N 2	Cloudy, fine and clear. Slight sea and swell.	Overcast fine and clear. Slight sea. Stopped for ice.
4.....	61 11	65 45	1005.4	1010.2	44	36	ENE 1	WNW 1	Fine and clear. Smooth sea.	Thick fog. Smooth sea, slight swell.
5.....	60 20	59 29	1010.8	1008.4	44	27	NW 2	Var. 1	Cloudy, fine and clear. Slight swell, rippled sea.	Overcast, fine and clear. Smooth sea, slight swell.
6.....	59 33	51 23	1007.8	1008.8	46	46	Ely 3/4	ESE 6	Overcast, showery. Moderate sea and swell.	Overcast, clear. Pitching and shipping spray forward.
7.....	58 32	43 40	1008.6	1006.6	48	48	Ely 4/5	NEly 2	Cloudy and clear. Pitching and shipping spray.	Cloudy, fine and clear. Slight sea moderate swell.
8.....	57 41	36 16	1007.4	1009.1	49	49	NE 2	NWly 3	Cloudy, fine and clear. Slight sea, moderate swell.	Cloudy, fine and clear. Slight sea, moderate swell.
9.....	56 42	28 34	1007.8	1004.9	53	51	NW 4	WNW 6	Cloudy, fine and clear. Moderate sea and swell.	Cloudy, fine and clear. Moderate sea and swell.
10.....	54 44	21 53	1007.0	1010.4	54	54	NW 6/7	Wly 7/8	Cloudy and clear. Rough sea, heavy swell.	Cloudy, fine and clear. Rough sea, heavy swell.
11.....	52 42	15 31	1011.0	1007.9	58	55	SW 5	SSW 5/6	Cloudy and clear. Moderate sea, heavy swell.	Overcast, showery. Rough sea, heavy swell.
12.....	50 54	09 18	1007.1	1015.7	60	57	NWly 4	NW 5	Fine and clear. Moderate sea and swell.	Fine and clear. Moderate to rough sea. Heavy swell.
13.....	50 15	02 48	1018.5	1017.5	60	61	NW 3	WSW 4	Fine and clear. Slight following sea and swell.	Cloudy, fine and clear. Moderate sea and swell.

PARTICULARS OF SHIPS USING THE PORT DURING 1948.

Name	Nationality	From	Arrived	Left	Reg. Tonnage	Outward Cargo		Inward Cargo	
						Wheat (Bushels)	General (Tons)	General (Tons)	Oil drums (All ships) (Tons)
MV Fort Severn	British	Wintered	July	July 14	75	74			
MV Fort Severn	British	York	July	" 20	75	87		1	1
MV Fort Severn	British	Severn	"	Aug. 2	75	69		1	2
MV Regina Polaris	Canadian	Chesterfield	"	4	248	133			
SS Great City	British	Falmouth	Aug.	8	5,116	364,000-00			
SS North Anglia	British	Thames	"	16	4,915	345,006-30		800	
MV Fort Severn	British	Severn	"	12	75	92			
MV Regina Polaris	Canadian	Baker Lake	"	16	248	221		9	
SS Empire Beatrice	British	Antwerp	"	21	4,994	346,466-40		99	
SS Essex Trader	British	London	"	20	4,292	349,000-00			
MV Eskimo	Canadian	Montreal	"	25	250	209		5	8
MV Fort Severn	British	Tavanne	"	23	75	47		4	6
SS Marietta Dal.	British	Grangemouth	"	31	4,482	367,000-00			
MV Regina Polaris	Canadian	Port Harrison	"	26	248	130		1	
MV N.B. McLean	Canadian	Straits	"	2	1,172	365		1	1
MV Fort Severn	British	York	"	30	75	63			
SS Bradburn	British	North Shields	"	2	2,872	308,000-00		1	6
MV Earle's Trader	British	Chesterfield	"	2	128	163			
MV Regina Polaris	Canadian	Repulse	Sept.	7	248	190			
MV Eskimo	Canadian	Baker Lake	"	9	250	198		10	
MV Terra Nova	Canadian	Pangnertung	"	9	240	265		5	5
MV N. B. McLean	Canadian	Southampton Is.	"	11	1,172	316		30	
SS Great City	British	Hull	"	13	5,116	365,866-40			
SS Stanthorpe	British	Hamburg	"	15	4,375	347,024-10			
MV Earle's Trader	British	Chesterfield	"	16	128	169		2	
SS North Anglia	British	Leith	"	23	4,915	345,400-00		50	
MV Fort Severn	British	Igloolik	"	21	75	25		2	
SS Tribberg	Canadian	Rotterdam	"	22	4,299	352,000-00			
SS John Lyras	British	Avonmouth	"	23	5,132	364,000-00			
SS Tricape	Canadian	Halifax	"	26	4,239	352,000-00			
SS Empire Beatrice	British	Cardiff	"	28	4,994	341,600-00			
SS Fort Erie	British	Manchester	"	28	4,297	348,000-00			
MS Fort Severn	British	Igloolik	"	30	75	419,144-50		2	
SS Karteria	British	Rotterdam	Oct.	6	5,288				
TOTALS						5,325,884-40	2,816	1,023	29

EXTRACTED FROM THE CANADIAN PORT OF CALLS AND ARRIVAL REGISTER



Cape Hope's Advance Radio Station, Hudson Strait



## HYDROGRAPHIC INFORMATION

The Hydrographic and Map Service, Surveys and Engineering Branch, Department of Mines and Resources, publishes a series of navigation charts and also a volume of Sailing Directions covering the Hudson Bay Route. These are kept up to date and added to from time to time as new information becomes available.

The "Tide Tables for the Atlantic Coast of Canada," published by the Tidal and Current Survey Division of the same Service, contain predictions for the port of Churchill and for Moosonee in James Bay. Tables in leaflet form are available for Port Nelson. Tidal differences for fourteen localities in Hudson Strait and for eight localities in James Bay afford the times of high and low waters in these areas. The time of the turn of the tidal streams in the southern offing of Resolution and Nottingham Islands, and information on the currents in Digges Sound is also given. The automatic tide gauge is kept in operation each season at Churchill for the extension of the tidal records by which the predictions are improved.

## HYDROGRAPHIC PUBLICATIONS—HUDSON BAY AND STRAIT

*Charts—*

- |                                           |                                                |
|-------------------------------------------|------------------------------------------------|
| 5418 Churchill Harbour.                   | 5409 Churchill Harbour to Hubbart Point.       |
| 5417 Approaches to Nelson River.          | 5403 Pritzler Harbour to Cape Weymouth.        |
| 5404 Anchorages in Hudson Strait          | Balcom and Barrier                             |
| Sugluk Inlet.                             | Inlets.                                        |
| Port Burwell.                             | Shaftsbury Inlet.                              |
| Button Islands.                           | 5416 Mouth of Moose River.                     |
| 5000 Hudson Bay and Strait.               | 5414 Rupert Bay.                               |
| 5406 Cape Tatnam to Port Nelson           | 5415 Mouth of Rupert River.                    |
| 5407 Anchorages in Hudson Strait.         | 5411 Lower Savage Islands to Pritzler Harbour. |
| Charles Inlet.                            | Pritzler Harbour.                              |
| Savage Harbour.                           | 5412 Erik Cove to Nuvuk Harbour including      |
| Acadia Cove.                              | Digges Islands.                                |
| 5408 Cape Churchill to Churchill Harbour. | Erik Cove.                                     |
| 5400 Cape Churchill to Egg River.         | Port de Laperriere                             |
| 5401 Wakeham and Fisher Bays and          | Nuvuk Harbour.                                 |
| Approaches.                               | Digges Harbour.                                |
| Wakeham Bay.                              | 5410 Coral Harbour.                            |
| Fisher Bay.                               |                                                |
| 5402 C. Prince of Wales to C. Weggs.      |                                                |
| Douglas Harbour.                          |                                                |

*Sailing Directions—*

Sailing Directions for the Hudson Bay Route.

*Tide Tables—*

Tide Tables for the Atlantic Coast of Canada.

Tide Tables for Port Nelson, Hudson Bay (in mimeograph form).

NOTE.—Copies of the above publications are available at the office of the High Commissioner for Canada, Canada House, London, England, for reference only. Charts and Sailing Directions are issued at 50 cents and Tide Tables at 25 cents per copy and may be obtained from the Hydrographic Service, Surveys and Engineering Branch, Department of Mines and Resources, Ottawa, or from the National Harbours Board Office, Churchill, Manitoba. All orders must be accompanied by postal or express money order, for the full amount, payable to the Receiver General for Canada.

METEOROLOGICAL REPORT C. G. S. N. B. McLEAN

Date	Noon Position	Barometer		Temperature °F		Wind Dir. and Force			Fog	Remarks and Visib.	
		8 a.m.	4 p.m.	12 p.m.	Sea	4 a.m.	8 a.m.	12 p.m.		a.m.	p.m.
July, 1948											
8	49-15N 67-26W	29-88	29-94	29-98	60	NE 1	SE 2	E 2	0	Cloudy and clear.	Cloudy and clear.
9	50-03N 61-28W	30-01	29-98	30-00	55	E 2	SE 3	S 3	0	Fine and clear.	Fine and clear.
10	Cape Norman	30-00	29-96	29-94	51	NW 2	SE 2	SSE 3	0	Fine and clear.	Fine and clear.
11	SW Belle Isle	29-92	29-88	29-90	41	SSE 2	SSE 4	SW 1	0	Cloudy and clear.	Cloudy and clear.
12	SW "	29-93	29-95	29-96	42	SE 1	SE 2	SE 2	2	Cloudy and clear.	Cloudy and clear.
13	SW "	29-94	29-86	29-72	43	ESE 1	ESE 1	SSW 2	22	Overcast and fog.	Overcast and fog.
14	SW "	29-60	29-54	29-60	43	SSE 2	SSE 5	SW 4	22	Overcast and fog.	Overcast and fog.
15	NE "	29-66	29-65	29-62	43	SW 1	SSW 3	SW 4	0	Cloudy and fog.	Cloudy and fog.
16	NE "	29-59	29-62	29-68	40	W 1	WNW 2	SW 2	8	Cloudy and fog.	Cloudy and fog.
17	Off Lion Pt. Nfd	29-80	29-84	29-92	44	SSW 1	SSE 1	Calm	2	Cloudy and clear.	Cloudy and clear.
18	52-05N 55-27W	29-96	29-99	30-00	44	NE 2	NNE 3	SE 2	4	Overcast and fog.	Overcast and fog.
19	55-57N 56-13W	29-95	29-86	29-79	42	S 3	S 2	ESE 2	0	Overcast and fog.	Overcast and fog.
20	59-00N 61-04W	29-75	29-76	29-76	39	E 1	NNE 2	ENE 2	24	Overcast and fog.	Overcast and fog.
21	Resolution Island	29-76	29-84	29-88	35	ENE 2	ENE 4	ENE 1	8	Cloudy and fog.	Cloudy and fog.
22	"	29-92	29-96	29-92	36	ENE 3	WNW 1	W 3	4	Cloudy and clear.	Fine and clear.
23	"	29-98	29-99	29-94	36	NW 3	NW 2	NW 2	4	Cloudy and fog banks.	Cloudy and clear.
24	Off Resolution Island	29-91	29-84	29-78	39	W 1	NW 2	WNW 1	0	Fine and clear.	Fine and clear.
25	"	29-74	29-73	29-76	38	NW 2	NE 4	NE 2	0	Cloudy and clear.	Cloudy and clear.
26	"	29-72	29-71	29-76	37	ENE 2	Calm	SW 2	0	Cloudy and fog.	Fine and haze.
27	Cape Hope's Advance	29-72	29-71	29-76	37	ENE 2	Calm	SW 2	0	Cloudy and fog.	Cloudy and clear.
28	"	29-64	29-62	29-62	45	NW 1	NW 2	NW 3	0	Cloudy and clear.	Cloudy and clear.
29	"	29-66	29-68	29-72	44	NNE 2	NE 2	NE 3	0	Cloudy and clear.	Cloudy and clear.
30	"	29-74	29-76	29-75	40	NE 4	S 5	ESE 4	0	Overcast and fog.	Overcast and fog.
31	"	29-78	29-74	29-74	42	NE 3	ENE 4	ENE 3	0	Overcast and fog.	Overcast and fog.
Aug.											
1	Diana Bay	29-75	29-75	29-76	39	ENE 4	NW 2	SW 1	8	Overcast rain and fog.	Cloudy and clear.
2	"	29-76	29-75	29-72	42	NW 2	NW 2	NW 3	0	Cloudy and clear.	Cloudy and clear.
3	"	29-72	29-76	29-78	45	NW 4	NW 4	NW 5	20	Overcast and fog.	Overcast and fog.
4	"	29-79	29-86	29-94	42	N 2	NNW 2	Calm	0	Overcast, rain and fog.	Overcast and fog.
5	"	29-96	30-00	30-00	45	NNE 2	NE 3	NNW 4	16	Overcast and clear.	Overcast and fog.
6	"	30-02	30-06	30-02	51	NNW 3	NW 1	Calm	0	Cloudy and clear.	Cloudy and clear.
7	Wales Island	30-02	29-98	29-90	44	Calm	WSW 2	SSE 2	0	Fine and clear.	Fine and clear.
8	Wakeham Bay	29-76	29-71	29-72	48	SW 3	SW 2	SW 2	0	Cloudy and clear.	Cloudy and clear.
9	"	29-80	29-80	29-72	45	Calm	NNE 2	Calm	4	Overcast and clear.	Overcast and clear.
10	62-30N 72-12W	29-56	29-68	29-76	45	ESE 2	NW 4	NW 3	0	Overcast and fog banks.	Overcast and fog banks.
11	W. Charles Island	29-82	29-85	29-86	38	NW 2	NNE 2	Calm	0	Fine and clear.	Fine and clear.
12	Sugluk	29-84	29-84	29-70	46	SW 1	W 2	SW 3	0	Cloudy and clear.	Cloudy and clear.
13	Erik Cove	29-64	29-62	29-66	53	SSW 4	W 3	WNW 2	16	Overcast, fog and rain.	Overcast, fog and rain.
14	"	29-72	29-76	29-77	45	NW 3	NW 2	NW 2	4	Overcast and fog.	Overcast and fog.
15	Nottingham Island	29-75	29-74	29-78	36	NW 1	WNW 2	WNW 3	0	Cloudy and clear.	Cloudy and clear.
16	"	29-78	29-78	29-81	34	WSW 1	W 2	ESE 2	0	Cloudy and clear.	Cloudy and clear.
17	"	29-75	29-68	29-58	39	ESE 4	ESE 4	ESE 3	12	Overcast and clear.	Overcast, fog and rain.
18	Off Nottingham Island	29-54	29-72	29-86	42	NNW 4	NW 5	NNW 4	8	Overcast, rain and fog.	Cloudy and haze.
19	Diggs Island	29-92	29-94	29-94	39	NW 3	NNW 2	NE 2	0	Cloudy and clear.	Cloudy and clear.
20	Mansel Island	29-90	29-74	29-67	48	E 3	SE 3	SE 3	0	Cloudy and clear.	Cloudy and clear.
21	"	29-65	29-54	29-50	46	SW 3	S 6	SW 3	4	Overcast and clear.	Overcast, rain and fog.
22	"	29-51	29-50	29-52	48	SW 4	SSW 4	W 5	0	Overcast, fog and rain.	Overcast, fog and rain.
23	62-17N 81-05W	29-58	29-68	29-91	47	WSW 5	SSE 6	SSE 6	0	Cloudy and clear.	Cloudy and clear.
24	60-42N 87-17W	29-50	29-28	29-49	47	WSW 2	W 6	W 5	0	Cloudy and clear.	Cloudy and clear.
25	59-28N 89-30W	29-50	29-50	29-72	52	SSW 2	WSW 3	W 5	0	Cloudy and clear.	Cloudy and clear.
26	Churchill Man.	30-00	30-04	29-94	56	W 3	W 1	SE 1	0	Cloudy and clear.	Cloudy and clear.
27	"	29-93	29-96	30-00	48	ENE 2	W 2	W 2	0	Cloudy and clear.	Cloudy and clear.
28	"	30-00	29-98	29-98	58	W 3	NW 3	W 2	0	Cloudy and clear.	Cloudy and clear.
29	"	30-00	29-98	29-98	58	W 3	SW 3	SW 2	0	Cloudy and clear.	Cloudy and clear.
30	"	30-07	30-03	29-92	63	W 1	E 2	SE 2	0	Fine and clear.	Cloudy and clear.
31	"	29-78	29-56	29-45	69	SSW 3	SSE 3	SW 2	0	Cloudy and clear.	Overcast and rain.

Month	Day	Location	Time	Temp	Wind	Dir	Force	Clouds	Wind	Dir	Force	Clouds	Temp	Wind	Dir	Force	Clouds	Temp	Wind	Dir	Force	Clouds	Temp
Sept.	1	Churchill, Man.	29-51	69	SW	2	3	Cloudy and clear.	W	2	2	Cloudy and clear.	8	W	2	3	Cloudy and clear.	8	W	2	3	Cloudy and clear.	8
	2	59-16N 92-46W	29-74	46	NW	2	2	Fine and clear.	NW	3	3	Fine and clear.	9	NW	3	3	Fine and clear.	9	NW	3	3	Fine and clear.	9
	3	60-22N 89-22W	29-66	46	NW	6	5	Cloudy and distant fog	NE	2	2	Cloudy and distant fog	5	NE	2	2	Cloudy and distant fog	5	NE	2	2	Cloudy and distant fog	5
	4	61-52N 85-40W	29-66	44	N	3	3	Cloudy and fog	SE	3	3	Cloudy and fog	4	SE	3	3	Cloudy and fog	4	SE	3	3	Cloudy and fog	4
	5	Coral Harbour	29-71	47	NE	3	3	Overcast and fog	ENE	3	3	Overcast and fog	4	ENE	3	3	Overcast and fog	4	ENE	3	3	Overcast and fog	4
	6	"	29-88	47	NNW	3	3	Cloudy and clear.	NE	1	1	Cloudy and clear.	8	NE	1	1	Cloudy and clear.	8	NE	1	1	Cloudy and clear.	8
	7	"	30-04	47	Calm	3	3	Cloudy and clear.	WSW	3	3	Cloudy and clear.	7	WSW	3	3	Cloudy and clear.	7	WSW	3	3	Cloudy and clear.	7
	8	"	30-02	48	Calm	2	2	Cloudy and clear.	ENE	2	2	Cloudy and clear.	8	ENE	2	2	Cloudy and clear.	8	ENE	2	2	Cloudy and clear.	8
	9	63-09N 83-35W	30-04	48	SSE	2	2	Cloudy and clear.	NE	2	2	Cloudy and clear.	8	NE	2	2	Cloudy and clear.	8	NE	2	2	Cloudy and clear.	8
	10	60-32N 90-05W	29-79	46	S	3	3	Cloudy and clear.	SE	4	4	Cloudy and clear.	8	SE	4	4	Cloudy and clear.	8	SE	4	4	Cloudy and clear.	8
	11	Churchill Man.	29-54	48	SE	4	4	Overcast and clear.	E	2	2	Overcast and clear.	8	E	2	2	Overcast and clear.	8	E	2	2	Overcast and clear.	8
	12	"	29-74	47	E	3	3	Overcast and clear.	NE	3	3	Overcast and clear.	8	NE	3	3	Overcast and clear.	8	NE	3	3	Overcast and clear.	8
	13	"	30-07	52	WNW	2	2	Cloudy and clear.	NW	2	2	Cloudy and clear.	8	NW	2	2	Cloudy and clear.	8	NW	2	2	Cloudy and clear.	8
	14	"	30-16	50	NW	3	3	Cloudy and clear.	NW	2	2	Cloudy and clear.	8	NW	2	2	Cloudy and clear.	8	NW	2	2	Cloudy and clear.	8
	15	"	30-20	52	SSW	2	2	Cloudy and clear.	SSW	4	4	Cloudy and clear.	7	SSW	4	4	Cloudy and clear.	7	SSW	4	4	Cloudy and clear.	7
	16	"	29-60	55	SE	4	4	Overcast and int. rain.	SW	3	3	Overcast and int. rain.	7	SW	3	3	Overcast and int. rain.	7	SW	3	3	Overcast and int. rain.	7
	17	"	29-44	51	NW	3	3	Cloudy and clear.	NW	4	4	Cloudy and clear.	8	NW	4	4	Cloudy and clear.	8	NW	4	4	Cloudy and clear.	8
	18	Off Churchill	29-36	61	WSW	4	4	Cloudy and clear.	W	2	2	Cloudy and clear.	7	W	2	2	Cloudy and clear.	7	W	2	2	Cloudy and clear.	7
	19	60-45N 87-20W	29-25	47	NNW	3	3	Cloudy and fog.	NE	6	6	Cloudy and fog.	6	NE	6	6	Cloudy and fog.	6	NE	6	6	Cloudy and fog.	6
	20	62-31N 84-41W	29-41	35	N	5	5	Cloudy and clear.	NE	2	2	Cloudy and clear.	7	NE	2	2	Cloudy and clear.	7	NE	2	2	Cloudy and clear.	7
	21	Coral Harbour	29-96	41	SW	3	3	Cloudy and clear.	SSW	3	3	Cloudy and clear.	8	SSW	3	3	Cloudy and clear.	8	SSW	3	3	Cloudy and clear.	8
	22	"	29-92	43	SSE	3	3	Cloudy and clear.	S	4	4	Cloudy and clear.	8	S	4	4	Cloudy and clear.	8	S	4	4	Cloudy and clear.	8
	23	"	30-04	50	NW	2	2	Cloudy and fog.	Calm	3	3	Cloudy and fog.	3	Calm	3	3	Cloudy and fog.	3	Calm	3	3	Cloudy and fog.	3
	24	"	30-23	40	ESE	2	2	Overcast and fog.	SE	4	4	Overcast and fog.	5	SE	4	4	Overcast and fog.	5	SE	4	4	Overcast and fog.	5
	25	Off Bear Island	29-89	46	SW	2	2	Cloudy and clear.	NW	4	4	Cloudy and clear.	8	NW	4	4	Cloudy and clear.	8	NW	4	4	Cloudy and clear.	8
	26	Coats Island	29-63	45	WSW	2	2	Fine and clear.	W	3	3	Fine and clear.	8	W	3	3	Fine and clear.	8	W	3	3	Fine and clear.	8
	27	Nottingham Island	30-11	40	NW	3	3	Overcast and clear.	NNE	3	3	Overcast and clear.	9	NNE	3	3	Overcast and clear.	9	NNE	3	3	Overcast and clear.	9
	28	Erik Cove	30-20	43	SE	1	1	Overcast and clear.	SE	3	3	Overcast and clear.	8	SE	3	3	Overcast and clear.	8	SE	3	3	Overcast and clear.	8
	29	Off Sugluk, 1 mile	29-70	46	SSE	2	2	Overcast and clear.	SSE	2	2	Overcast and clear.	8	SSE	2	2	Overcast and clear.	8	SSE	2	2	Overcast and clear.	8
	30	"	29-67	45	Calm	2	2	Overcast and clear.	SSW	4	4	Overcast and clear.	7	SSW	4	4	Overcast and clear.	7	SSW	4	4	Overcast and clear.	7
Oct.	1	Anchored Sugluk	29-42	44	WSW	6	6	Overcast, rain showers.	W	6	6	Overcast, rain showers.	6	W	6	6	Overcast, rain showers.	6	W	6	6	Overcast, rain showers.	6
	2	"	29-86	36	WSW	1	1	Cloudy and clear.	SW	3	3	Cloudy and clear.	8	SW	3	3	Cloudy and clear.	8	SW	3	3	Cloudy and clear.	8
	3	"	29-92	36	W	3	3	Cloudy and clear.	WSW	2	2	Cloudy and clear.	8	WSW	2	2	Cloudy and clear.	8	WSW	2	2	Cloudy and clear.	8
	4	"	29-55	41	SW	4	4	Overcast and rain.	NW	3	3	Overcast and rain.	7	NW	3	3	Overcast and rain.	7	NW	3	3	Overcast and rain.	7
	5	"	29-82	36	Calm	2	2	Cloudy and fog.	NE	1	1	Cloudy and fog.	5	NE	1	1	Cloudy and fog.	5	NE	1	1	Cloudy and fog.	5
	6	1/4 Mile Wales Island	30-04	36	E	2	2	Overcast and clear.	NW	1	1	Overcast and clear.	9	NW	1	1	Overcast and clear.	9	NW	1	1	Overcast and clear.	9
	7	Wakeham Bay	30-12	38	SSE	1	1	Overcast and rain.	SSE	1	1	Overcast and rain.	7	SSE	1	1	Overcast and rain.	7	SSE	1	1	Overcast and rain.	7
	8	"	29-79	48	NW	3	3	Cloudy and clear.	WNW	3	3	Cloudy and clear.	8	WNW	3	3	Cloudy and clear.	8	WNW	3	3	Cloudy and clear.	8
	9	"	29-82	47	Calm	2	2	Fine and clear.	W	3	3	Fine and clear.	9	W	3	3	Fine and clear.	9	W	3	3	Fine and clear.	9
	10	"	29-74	44	Calm	2	2	Cloudy and clear.	SE	2	2	Cloudy and clear.	7	SE	2	2	Cloudy and clear.	7	SE	2	2	Cloudy and clear.	7
	11	"	29-82	46	W	3	3	Cloudy and clear.	W	3	3	Cloudy and clear.	8	W	3	3	Cloudy and clear.	8	W	3	3	Cloudy and clear.	8
	12	"	29-60	46	WSW	4	4	Overcast and clear.	WSW	5	5	Overcast and clear.	8	WSW	5	5	Overcast and clear.	8	WSW	5	5	Overcast and clear.	8
	13	"	29-82	46	W	1	1	Overcast and rain.	W	6	6	Overcast and rain.	7	W	6	6	Overcast and rain.	7	W	6	6	Overcast and rain.	7
	14	"	29-08	40	W	6	6	Cloudy and snow.	W	6	6	Cloudy and snow.	8	W	6	6	Cloudy and snow.	8	W	6	6	Cloudy and snow.	8
	15	"	29-23	28	WNW	2	2	Cloudy and snow.	WNW	6	6	Cloudy and snow.	7	WNW	6	6	Cloudy and snow.	7	WNW	6	6	Cloudy and snow.	7
	16	"	29-52	30	SE	2	2	Cloudy and clear.	NE	3	3	Cloudy and clear.	8	NE	3	3	Cloudy and clear.	8	NE	3	3	Cloudy and clear.	8
	17	"	29-54	37	SE	2	2	Cloudy and squally.	WNW	6	6	Cloudy and squally.	8	WNW	6	6	Cloudy and squally.	8	WNW	6	6	Cloudy and squally.	8
	18	"	29-07	34	SE	6	6	Overcast and clear.	W	3	3	Overcast and clear.	9	W	3	3	Overcast and clear.	9	W	3	3	Overcast and clear.	9
	19	"	29-56	32	WSW	3	3	Overcast and clear.	NW	3	3	Overcast and clear.	8	NW	3	3	Overcast and clear.	8	NW	3	3	Overcast and clear.	8
	20	Diana Bay	29-72	30	WNW	6	6	Cloudy and clear.	WNW	4	4	Cloudy and clear.	9	WNW	4	4	Cloudy and clear.	9	WNW	4	4	Cloudy and clear.	9
	21	"	29-92	29	NW	3	3	Cloudy, snow squalls.	SW	4	4	Cloudy, snow squalls.	7	SW	4	4	Cloudy, snow squalls.	7	SW	4	4	Cloudy, snow squalls.	7
	22	"	29-78	35	S	6	6	Cloudy and clear.	S	5	5	Cloudy and clear.	8	S	5	5	Cloudy and clear.	8	S	5	5	Cloudy and clear.	8
	23	"	29-61	33	WSW	3	3	Overcast and snow.	SW	4	4	Overcast and snow.	9	SW	4	4	Overcast and snow.	9	SW	4	4	Overcast and snow.	9
	24	Acadia Cove	29-85	35	W	3	3	Overcast and snow.	W	3	3	Overcast and snow.	8	W	3	3	Overcast and snow.	8	W	3	3	Overcast and snow.	8
	25	58-11N 59-35W	30-01	41	NE	2	2	Cloudy and snow.	NE	3	3	Cloudy and snow.	9	NE	3	3	Cloudy and snow.	9	NE	3	3	Cloudy and snow.	9
	26	54-22N 54-25W	29-76	39	SSW	5	5	Cloudy and clear.	SSW	3	3	Cloudy and clear.	8	SSW	3	3	Cloudy and clear.	8	SSW	3	3	Cloudy and clear.	8
	27	Off Cape Normand	29-90	41	NW	3	3	Fine and clear.	NW	2	2	Fine and clear.	9	NW	2	2	Fine and clear.	9	NW	2	2	Fine and clear.	9
	28	49-49-30N 62-39-30W	30-08	47	SW	1	1	Fine and clear.	SW	2	2	Fine and clear.	9	SW	2	2	Fine and clear.	9	SW	2	2	Fine and clear.	9
	29	Off Bic Island	30-06	46	WNW	3	3	Overcast, fog and rain.	WNW	2	2	Overcast, fog and rain.	6	WNW	2	2	Overcast, fog and rain.	6	WNW	2	2	Overcast, fog and rain.	6
	30	St. Petronille	30-13	46	WNW	2	2	Overcast, fog and rain.	WNW	2	2	Overcast, fog and rain.	6	WNW	2	2	Overcast, fog and rain.	6	WNW	2	2	Overcast, fog and rain.	6
	31	Kings Wharf, Quebec	29-96	56	WNW	2	2	Cloudy and clear.	WNW	2	2	Cloudy and clear.	0	WNW	2	2	Cloudy and clear.	0	WNW	2	2	Cloudy and clear.	0

## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1.....	1012.8	37	34	E	27	ENE	21		.06*
2.....	1011.6		35	NE	27			10*	*
3.....	1019.6	48	34			N	15	*	*
4.....	1024.5	45	36			W	10	*	*
5.....	1024.2	47	34	W	5	W	10		*
6.....	1022.6	56	36	Calm	0	Calm	0		*
7.....	1021.5		42	Calm	0				*
8.....		53							Trace*
9.....	1001.3					Calm	0	*	*
10.....	1009.2	43	35	E	15	ENE	10		
11.....	1007.6	41	37	E	21	E	27	.07	.18
12.....	1012.2	37	32	S	10	W	5	Trace	
13.....	1007.8	40	33	E	27	E	5	.13	.08
14.....	1009.0	42	32	Calm	0	E	10		.13
15.....	1002.6		36	N	5			.19	*
16.....	1013.2	49	39	E	15			Trace*	*
17.....	1018.4	48	37	E	21	E	5		*
18.....	1017.6	49	36	E	10				*
19.....	1011.8	47	39	E	15	E	15		*
20.....	1009.4	43	34	E	21	E	15		*
21.....	1012.8	40	35	NE	27	NE	21		*
22.....	1017.5		36	NE	5				*
23.....	1018.2	41	33			W	10	*	*
24.....	1017.4	39	36	W	10	W	15	*	*
25.....	1008.5		35	W	10			*	*
26.....	1009.3	46	26			E	5	*	*
27.....	1008.2	48	40	W	10	W	5		*
28.....	1010.0	62	39	W	5	E	10		*
29.....	1007.4	44				NE	21		*
30.....	1009.6	43	40	NE	27	NE	21		*
31.....	1007.7	43	39	NE	27	NE	27	Trace	
Aug.									
1.....	1006.8	46	39	NE	35	NE	21		
2.....	1007.1	44	38	NE	10	NE	15		Trace
3.....	1007.8	46	38	NE	15	E	5	.01	.03
4.....	1013.0	46	38	E	10	NE	15	.01	Trace
5.....	1016.8	47	38	NE	10	Calm	0		*
6.....	1020.4	47	38	W	5	Calm	0		*
7.....	1019.2	45	36	Calm	0	Calm	0		*
8.....	1013.5	41	35	Calm	0				*
9.....	1000.2	41	33	W	10	W	10		*
10.....	1004.2	44	34	Calm	0	W	10		.03
11.....	1009.8	40	34	NW	5	W	15		*
12.....	1003.3	39	33	NW	10				*
13.....	1008.8	41	30	W	5	SW	15	*	*
14.....	1003.1	46	35	NW	2			.14	*
15.....	1004.5	42	33	NW	15			.01	*
16.....	1008.2	40	33	W	10				*
17.....	1017.0	39	32	W	5	SW	2		*
18.....	1011.2	46	32	E	5	E	21	Trace*	*
19.....	999.0	45	39	E	15			.29	*
20.....		46						*	Trace*
21.....	1019.8	45	44	E	10	E	10	.03	*
22.....	1016.7	42	37	E	15	E	15		*
23.....	1007.8	41	38	E	21	W	10		*
24.....	1004.1	50				Calm	0	*	*
25.....	1000.8	46				SSE	42	*	.11
26.....	1004.6	50	36	W	10	Calm	0	.54*	*
27.....	991.4	43	35	S	15	SW	21	.19	.11
28.....	997.2	50	34	NNW	21				*
29.....	1011.8	45	36	S	2	Calm	0		Trace
30.....	1017.0	44	35	NW	5	W	5		*
31.....	1022.7	48	35			NW	15		*

\* Incomplete.

## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Fog	Drizzle and fog	$\frac{1}{2}$	0	No ice in sight. Visibility poor.
2	Rain and fog		$\frac{1}{2}$		No ice in sight. Visibility poor.
3		Cloudless		20	Two large bergs NW.
4		Partly cloudy		30	Two large bergs NW.
5	Cloudless	Partly cloudy	30	20	Two growlers NW.
6	Partly cloudy	Partly cloudy		30	Medium berg NW.
7	Cloudless		30		One small, three medium bergs.
8					One medium, six small bergs.
9		Overcast		4	No ice in sight. Visibility poor.
10	Fog	Fog	0	$\frac{1}{2}$	No ice in sight. Visibility poor.
11	Distant fog	Rain and fog	2	$\frac{1}{2}$	No ice in sight.
12	Fog	Fog	0	0	Fog.
13	Fog	Rain and fog	$\frac{1}{2}$	0	Fog.
14	Fog	Distant fog	0	4	Fog.
15	Cont. light rain		4		Fog.
16	Fog		$\frac{1}{4}$		No ice in sight.
17	Distant fog	Distant fog	9	9	One medium berg NW.
18	Cloudless		30		Three medium bergs NW.
19	Distant fog	Fog	20	0	One large, three small bergs.
20	Fog	Distant fog	$\frac{1}{2}$	9	Two small bergs NW.
21	Distant fog	Fog	9	$\frac{1}{2}$	No ice in sight.
22	Partly cloudy		20		
23		Partly cloudy		9	One large berg, one growler.
24	Cloudless	Partly cloudy	30	30	One large berg SW.
25	Partly cloudy		20		One large berg, small growler.
26		Distant fog		20	No ice in sight.
27	Partly cloudy	Cloudy	9	20	One small, one large berg, several growlers.
28	Partly cloudy	Cloudy	30	30	Several bergs and growlers, scattered drift ice
29		Fog		$\frac{1}{2}$	One berg, scattered ice.
30	Fog	Fog	$\frac{1}{2}$	$\frac{1}{2}$	No ice in sight. Visibility poor.
31	Fog	Distant fog	$\frac{1}{2}$	4	No ice in sight. Visibility poor.
Aug.					
1	Fog	Distant fog	$\frac{1}{2}$	9	One berg W.
2	Distant fog	Drizzle and fog	4	$\frac{1}{2}$	Five bergs.
3	Drizzle and fog	Fog	$\frac{1}{2}$	$\frac{1}{2}$	Four bergs.
4	Fog	Distant fog	$\frac{1}{4}$	4	Five bergs.
5	Distant fog	Distant fog	9	9	Four bergs.
6	Distant fog	Fog	4	$\frac{1}{4}$	Five bergs.
7	Fog	Fog	$\frac{1}{4}$	$\frac{1}{4}$	Three bergs and growlers.
8	Low fog		$\frac{1}{4}$		No ice in sight. Visibility poor.
9	Fog	Fog	$\frac{1}{4}$	$\frac{1}{4}$	
10	Fog	Fog	$\frac{1}{4}$	0	Five bergs.
11	Partly cloudy	Distant fog	9	9	Seven bergs.
12	Partly cloudy		9		Nine bergs.
13	Overcast	Cloudy	20	20	Seven bergs.
14	Fog		$\frac{1}{8}$		No ice in sight. Visibility poor.
15	Partly cloudy		9		Two bergs W.
16	Partly cloudy		9		Two bergs SW.
17	Partly cloudy	Partly cloudy	9	20	Three bergs.
18	Rain showers	Cloudy	30	9	Numerous bergs.
19	Int. mod. rain		2		No ice in sight. Visibility poor.
20					Seven bergs.
21	Fog	Fog	$\frac{1}{8}$	1	No ice in sight. Visibility poor.
22	Fog	Fog	$\frac{1}{4}$	0	Two large bergs SE.
23	Rain and fog	Fog	$\frac{1}{2}$	0	No ice in sight. Visibility poor.
24		Overcast		20	Nine bergs.
25		Fog		0	Eight bergs.
26	Fog	Partly cloudy	$\frac{1}{8}$	9	Four bergs.
27	Overcast	Drizzle	20	4	Two bergs.
28	Distant fog		4		
29	Distant fog	Overcast	9	9	One berg SE.
30	Overcast	Drifting snow	20	0	Two bergs W.
31		Fog		0	Eight bergs.

## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1.....	1023.8	35	29	W	5	W	2		
2.....	1017.8	43	31	W	10	Calm	0		
3.....	1006.0	48	35	Calm	0	SE	10		
4.....	1007.4	46	35	W	2	E	5	.02	
5.....	1010.4	42	37	NE	10	E	21		
6.....	1008.1	42	37	E	15	NNE	10	.08	Trace
7.....	1017.4	41	36	NW	5	NNW	2		
8.....	1017.8	41	30	W	5	E	10		
9.....	1013.8	41	31	E	15	E	21	Trace	.03
10.....	1013.2	41	31	E	35	E	27	.09	.14
11.....	1009.3	50	30	E	27	E	21	.05	Trace
12.....	1008.6	41	37	N	10	Calm	0		*
13.....	1008.6	41	32			Calm	0		*
14.....	1010.1	41	32	W	5	SW	5		
15.....	1017.4	39	29	NW	10	W	10		
16.....	1019.9	38	33	WNW	21	NW	27		
17.....	1015.1	40	31	W	2	E	27		
18.....	996.8	40	32	ESE	35	SE	10	.01	.04
19.....	1000.6	40	35	SSW	2	Calm	0	.04	.01
20.....	1009.0	40	37	E	21	E	10	Trace	Trace
21.....	1020.1	39	34	E	15	E	15		
22.....	1022.4	38	31	NE	5	Calm	0		*
23.....	1018.5	38	31	W	10	WNW	21		*
24.....	1020.0	44	31	N	10	Calm	0		*
25.....	1015.8	39	33	W	10	W	2		
26.....	1002.0	40	33	E	2	NW	21	.25	.12
27.....	1003.0	40	32	W	15	NW	27	.01	Trace*
28.....	1019.8	40	34	NNW	21	Calm	0	Trace	
29.....	1016.8	35	32	WSW	10	W	2	Trace	Trace
30.....	1010.8	37	31			SSE	21		*
Oct.									
1.....	1005.7	38	30	S	21	W	35	.49	Trace
2.....	1013.6	33	31	W	21	W	35		*
3.....	1016.0	35	31	S	21	W	27	Trace	
4.....	1015.5	35	28	S	10			Trace	Trace*
5.....	1011.3	34	30	W	5	W	15	Trace	
6.....	1020.0	34	28	NW	10	NW	5		
7.....	1023.2	34	26	Calm	0	E	2		
8.....	1016.4	34	29	SW	15	SE	15		Trace*
9.....	1013.1	36	30	Calm	0	NW	2		
10.....	1010.4	33	31	Calm	0	Calm	0		*
11.....	1011.5	36	29	NE	15	W	2		
12.....	1004.0	36	32	W	15	SW	27		
13.....	1015.4	37	31	W	27				.10*
14.....	987.1	37	32	SW	15	W	35	.01	Trace
15.....	987.8	33	29	W	42	W	50	Trace	Trace
16.....	998.9	35	34	W	27	SE	21		.11
17.....	986.4	37	29	SW	35	SW	42	.09	Trace
18.....	992.8	32	28	SW	21	SW	27	Trace	Trace
19.....	1002.2	32	28	WSW	27	W	35	Trace	
20.....	1008.6	31	27	W	21	Calm	0	Trace	Trace
21.....	1016.4	28	26	NW	15	W	21		
22.....	1019.1	32	25	S	21				*
23.....	1007.6	32	29	SE	21	W	27	.30	
24.....	1014.1	31	25	W	27	W	10	Trace	
25.....	1011.8	33	25	Calm	0	SE	21		Trace
26.....	992.4	34	28	S	15	W	21	.06	Trace
27.....	1004.6	32	25	WNW	50	W	35		*
28.....	1012.0	26	20	NW	21	NW	5		
29.....	1001.9	33	23	SW	35	W	10	.10	.19
30.....	1005.1	33	28	W	27	NE	35	Trace	Trace*
31.....	1020.8	32	26	W	15	NW	15	Trace	

\* Incomplete.

## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Sept.					
1	Fog	Fog	$\frac{1}{8}$	0	No ice sighted. Visibility poor.
2	Partly cloudy	Partly cloudy	$\frac{30}{30}$	30	Seven bergs.
3	Partly cloudy	Cloudy	30	20	Six bergs.
4	Distant fog	Cloudy	4	9	Five bergs.
5	Overcast		9	9	Berg SW.
6	Rain and fog	Overcast	4	20	Three bergs.
7	Overcast	Fog	20	$\frac{1}{8}$	Three bergs.
8	Fog	Partly cloudy	$\frac{1}{2}$	20	No ice sighted. Visibility poor.
9	Drizzle and fog	Int. light rain	$\frac{1}{2}$	4	Berg W.
10	Int. light rain	Int. light rain	4	4	No ice sighted. Visibility poor in rain.
11	Int. light rain	Overcast	4	4	
12	Overcast	Overcast	20	20	No ice in sight
13		Partly cloudy		20	
14	Cloudy	Cloudy	20	9	
15	Overcast	Partly cloudy	20	20	Two bergs.
16	Overcast	Distant fog	9	9	No ice sighted. Visibility poor.
17	Cloudy	Overcast	20	20	Six bergs.
18	Int. light rain	Distant fog	4	4	No ice in sight. Visibility moderate.
19	Rain and fog	Fog	$\frac{1}{8}$	$\frac{1}{8}$	No ice sighted. Visibility poor.
20	Overcast	Int. light rain	9	2	No ice in sight.
21	Fog	Fog	$\frac{1}{8}$	$\frac{1}{4}$	No ice sighted. Visibility poor.
22	Distant fog	Fog	4	0	Berg W.
23	Fog	Fog	$\frac{1}{8}$	0	Visibility zero.
24	Overcast	Overcast	9	4	One large, one small berg.
25	Light fog	Partly cloudy	4	9	No ice sighted. Visibility poor.
26	Cont. light rain	Overcast	4	9	No ice sighted. Visibility poor.
27	Overcast	Overcast	20	9	Large berg SE.
28	Overcast	Overcast	20	20	Large berg S.
29	Overcast	Partly cloudy	20	20	Three large bergs.
30		Rain		9	Two large bergs.
Oct.					
1	Overcast	Partly cloudy	20	9	No ice sighted. Visibility poor.
2	Overcast	Cloudy	9	9	Large berg SW.
3	Snow showers	Cloudy	9	20	Large berg SE.
4	Overcast		20		Large berg S.
5	Fog	Overcast	$\frac{1}{8}$	9	Small berg SW.
6	Partly cloudy	Partly cloudy	20	20	Several bergs and growlers.
7	Partly cloudy	Overcast	30	9	Four bergs.
8	Overcast	Rain	20	4	Berg SW.
9	Fog	Fog	$\frac{1}{8}$	0	Visibility zero.
10	Fog	Fog	0	0	
11	Overcast	Overcast	20	9	Berg W.
12	Light fog	Cloudy	4	9	No ice in sight.
13	Distant fog		9		Two large bergs SE.
14	Cloudy	Cont. light snow	9	4	Large berg S.
15	Dust storm	Snow showers	$\frac{1}{8}$	4	No ice in sight.
16	Overcast	Moderate snow	20	$\frac{1}{2}$	Berg W.
17	Partly cloudy	Overcast	20	4	No ice in sight.
18	Light fog	Cloudy	4	9	Small berg W.
19	Snow showers	Overcast	4	9	Growler W.
20	Cloudy	Cont. light snow	2	4	No ice in sight.
21	Overcast	Overcast	9	9	
22	Overcast		20		Growler W.
23	Snow and fog	Overcast	$\frac{1}{2}$	9	No ice in sight. Visibility poor.
24	Overcast	Overcast	20	9	No ice in sight.
25	Cloudy	Snow showers	20	4	
26	Rain showers	Moderate snow	4	4	
27	Light fog	Overcast	4	9	
28	Cloudy	Cloudless	20	20	
29	Cont. light snow	Fog	4	0	
30	Overcast	Cloudy	9	9	
31	Overcast	Overcast	20	9	Two bergs one growler.

RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1948 Nov.		°F.	°F.					Inches	Inches
1.....	1017.8	36	25	W	21	W	15	.....	.....
2.....	1017.5	32	27	SW	15	W	21	.....	.....*
3.....	1014.3	33	25	W	10	W	27	.....	.....
4.....	1018.7	33	29	.....	.....	S	10	.....*	.....*
5.....	1021.4	31	26	NW	5	W	27	Trace	.....
6.....	1023.6	31	27	W	27	Calm	0	.....	.....
7.....	1003.6	33	23	E	35	E	50	.05	.10
8.....	990.4	34	30	E	27	E	10	.15	.05*
9.....	998.4	35	30	ENE	15	W	42	.05	.....*
10.....	1007.0	32	29	WSW	42	E	27	.....	.10
11.....	979.3	34	20	S	35	SW	42	.05*	.....
12.....	983.2	33	30	SW	27	SW	21	Trace	Trace
13.....	987.2	32	27	.....	.....	W	35	Trace*	.....*
14.....	990.2	33	24	W	21	W	10	Trace	.....
15.....	992.9	28	25	W	10	W	27	.....	Trace
16.....	1002.6	27	21	NW	10	W	35	.....	.....
17.....	1008.1	30	18	W	5	SE	10	.50	.....
18.....	1000.9	31	26	E	27	E	15	.05	.19
19.....	1010.2	30	23	NE	15	N	15	.10	Trace
20.....	1027.9	16	13	NW	5	NNW	2	.....	.....
21.....	1024.9	25	13	N	2	W	21	.....	Trace
22.....	1018.4	24	13	NW	15	NE	10	.01	.....
23.....	1004.3	24	19	ESE	15	W	21	Trace	Trace
24.....	1000.6	27	21	NW	2	S	21	.....*	.10
25.....	997.0	31	23	SW	10	SW	27	Trace	Trace
26.....	1004.4	26	18	W	50	NW	27	.91	Trace
27.....	1013.2	.....	12	NW	21	NW	21	Trace	.....
28.....	1020.2	10	8	N	15	N	10	.....	Trace
29.....	1022.3	30	8	SW	21	SW	27	Trace	.....
30.....	1025.1	.....	22	W	21	SW	10	Trace	.....*

\* Incomplete.



RESOLUTION ISLAND METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1948			Miles	Miles	
Nov.					
1.....	Overcast.....	Overcast.....	20	9	Large berg SE.
2.....	Overcast.....	Overcast.....	20	9	Two large bergs S.
3.....	Overcast.....	Partly cloudy..	20	20	No ice in sight.
4.....	Overcast.....	Overcast.....	20	20	Large berg SW.
5.....	Distant fog....	Partly cloudy..	20	20	Two bergs.
6.....	Cloudy.....	Fog.....	20	$\frac{1}{4}$	Small berg.
7.....	Overcast.....	Moderate snow..	9	$\frac{1}{2}$	No ice sighted. Visibility poor.
8.....	Moderate snow..	Snow and fog...	1	$\frac{1}{2}$	
9.....	Moderate snow..	Overcast.....	$\frac{1}{2}$	9	
10.....	Overcast.....	Overcast.....	9	20	No ice in sight.
11.....	Int. light snow..	Overcast.....	$\frac{1}{2}$	9	Small growler.
12.....	Overcast.....	Overcast.....	9	9	No ice sighted. Visibility poor.
13.....	Overcast.....	Cloudy.....	9	20	No ice sighted. Visibility poor.
14.....	Overcast.....	Overcast.....	9	9	No ice in sight.
15.....	Overcast.....	Int. light snow..	9	9	Two small bergs W.
16.....	Partly cloudy..	Partly cloudy..	20	20	Large berg W.
17.....	Snow showers...	Overcast.....	9	9	No ice in sight.
18.....	Cont. light snow	Overcast.....	4	9	
19.....	Heavy snow....	Cont. light snow	$\frac{1}{4}$	9	
20.....	Cloudy.....	Partly cloudy..	20	9	
21.....	Partly cloudy..	Cloudy.....	9	9	
22.....	Cloudy.....	Overcast.....	9	9	
23.....	Overcast.....	Int. light snow..	9	9	
24.....	Partly cloudy..	Cont. light snow	20	4	
25.....	Cont. light snow	Cloudy.....	4	9	
26.....	Snow showers...	Moderate snow..	9	$\frac{1}{2}$	
27.....	Cloudy.....	Partly cloudy..	9	20	
28.....	Overcast.....	Cloudless.....	9	20	
29.....	Overcast.....	Cloudy.....	9	9	
30.....	Snow showers...	Moderate snow..	4	2	

## CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1	1009.8		33	E	27	E	50		.35
2	1012.2		33	E	15			.15*	*
3	1021.7					W	5	*	*
4	1023.7		41			W	15	*	*
5	1025.0		42	W	21	W	15		*
6	1022.2		44	W	15	Calm	0		*
7	1017.2		49	Calm	0	SSE	15		*
8									*
9	999.5		54	W	21	NW	5	*	*
10	1008.4		40	E	5	E	15		*
11	1009.1		36	ENE	15	W	5	*	
12	1011.2		38	Calm	0	Calm	0		
13	1008.4		39	Calm	0	W	15		.29
14	1006.4		38	SE	10	E	10		
15	1006.7		48	W	21			.04	.02*
16	1015.2		38	W	10	Calm	0		
17	1018.0		39	W	10	Calm	0		*
18	1015.5			E	10				*
19	1008.8		39	E	5	E	5		
20	1008.5		35	NW	2	N	5		
21	1012.6		35	Calm	0	E	15		*
22	1017.8		38	E	2				*
23	1018.4		45	W	15	Calm	0		
24	1014.1		46	NW	5	W	5		
25	1009.4		48	W	15	Calm	0		*
26	1008.5		39			S	5		*
27	1004.6			S	10	Calm	0		*
28	1004.4			W	5	W	10		Trace*
29	1007.9					E	5		*
30	1009.1		40	E	15	E	35		
31	1008.8		37	E	21	E	21		
Aug.									
1	1009.4		38	NE	5	W	5	.09	
2	1008.8		44	W	10	W	10	*	
3	1004.6		43	Calm	0	E	10		
4	1013.3		42	NW	10	E	15	*	.12
5	1018.3		40			NW	10	*	*
6	1019.2		41	W	15	W	5		*
7	1015.2		44	Calm	0	Calm	0		*
8	1012.1		42	SE	5				*
9	1010.0		43	W	21	W	5		
10	1004.6		46	SW	15	W	27	Trace	Trace
11	1011.3	41	40	W	21	W	15		*
12	1013.7		41	SW	5				*
13	1006.8		45	SW	15	SW	10	*	.16*
14	1004.3		41	NW	10				*
15	1007.3		41	W	21	W	15		*
16	1008.8		40	W	10				*
17	1015.0		39	Calm	0	S	21		.02
18	1004.5		45	SE	21	SE	35	.02	*
19	996.5		44	W	5	W	15	.90	
20		41							*
21	1016.7		40	E	2	SE	15		*
22	1011.1		44	SE	27	SE	15		*
23	1006.0		41	SW	15	SW	10		*
24	1005.2					W	5		*
25	990.8					S	27		.29
26	1005.6		41	W	21	SW	5		.11
27	997.0	45	42	SE	35	W	50		.10
28	1003.0		37	W	50			.12	*
29	1013.6		34	W	21	W	21		*
30	1017.5	37	35	W	15	W	15		*
31	1024.4		35			W	10		*

\* Incomplete.

## CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Fog.....	Rain and fog....	0	4	Visibility zero.
2	Rain and fog....	.....	2	.....	
3	.....	Partly cloudy...	.....	20	Two small bergs.
4	.....	Partly cloudy...	.....	20	Two large, four small bergs.
5	Cloudless.....	Cloudless.....	20	20	One large, three small bergs.
6	Cloudless.....	Cloudless.....	20	20	Two large bergs.
7	Cloudless.....	Partly cloudy...	20	20	Two large, three small bergs and quantity rotting ice inshore.
8	.....	.....	.....	.....	One large, one small berg.
9	Cloudy.....	Overcast.....	20	9	Large berg N.
10	Overcast.....	Fog.....	20	0	Visibility zero.
11	Fog.....	Fog.....	4	0	
12	Overcast.....	Partly cloudy...	20	20	One large, two medium bergs.
13	Overcast.....	Rain and fog....	20	0	Visibility zero.
14	Cloudy.....	Low fog.....	20	$\frac{1}{8}$	No ice in sight.
15	Fog.....	.....	0	.....	
16	Fog.....	Fog.....	0	0	Visibility zero.
17	Overcast.....	Cloudy.....	20	20	Six bergs.
18	Partly cloudy...	.....	20	.....	Five bergs.
19	Cloudless.....	Partly cloudy...	20	20	No ice in sight.
20	Fog.....	Distant fog....	0	9	Visibility zero.
21	Overcast.....	Fog.....	20	0	
22	Fog.....	.....	0	.....	
23	Cloudless.....	Cloudless.....	20	20	Large berg N.
24	Cloudless.....	Cloudless.....	20	20	Three medium bergs.
25	Cloudless.....	Cloudless.....	20	20	Two large bergs N.
26	.....	Distant fog....	.....	20	No ice in sight.
27	Cloudless.....	Cloudy.....	20	20	
28	Partly cloudy...	Light fog.....	20	4	
29	.....	Cloudy.....	.....	20	
30	Light fog.....	Light fog.....	4	4	
31	Fog.....	Partly cloudy...	0	$\frac{1}{2}$	
Aug.					
1	Rain and fog....	Partly cloudy...	0	20	Small berg E.
2	Distant fog....	Partly cloudy...	4	20	Two medium bergs. NW.
3	Fog.....	Drizzle.....	0	1	Visibility zero.
4	Fog.....	Rain and fog....	0	2	
5	.....	Fog.....	.....	0	
6	Overcast.....	Cloudy.....	20	20	
7	Partly cloudy...	Distant fog....	20	4	
8	Cloudless.....	.....	20	.....	No ice in sight.
9	Fog.....	Partly cloudy...	0	20	
10	Partly cloudy...	Distant fog....	20	9	
11	Haze.....	Cloudy.....	9	30	
12	Cloudy.....	.....	20	.....	
13	Overcast.....	Rain and fog....	20	2	
14	Fog.....	.....	4	.....	
15	Overcast.....	Overcast.....	20	20	
16	Cloudy.....	.....	20	.....	
17	Cloudless.....	Overcast.....	20	20	Small berg NW.
18	Overcast.....	Light fog.....	20	9	No ice in sight.
19	Cloudy.....	Distant light-ning.....	9	4	
20	.....	.....	.....	.....	
21	Overcast.....	Overcast.....	20	20	
22	Overcast.....	Overcast.....	20	20	
23	Distant fog....	Overcast.....	9	20	
24	.....	Light fog.....	.....	9	Berg NE.
25	.....	Rain and fog....	.....	4	Visibility zero.
26	Partly cloudy...	Cloudy.....	20	20	Large berg NE.
27	Int. light snow..	Rain and fog....	9	$\frac{1}{2}$	No ice in sight.
28	Rain and fog....	.....	0	.....	
29	Overcast.....	Partly cloudy...	20	20	
30	Overcast.....	Cloudy.....	20	20	
31	.....	Light fog.....	.....	9	

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1	1023.0		35	SW	5	S	21		
2	1014.0	45		S	10	S	21		
3	1002.2		43	S	10	W	5		
4	1005.0		45	SW	5	S	5		
5	1006.0		40	S	10	SE	27		.32
6	1008.5		36	SE	21	NW	5	.22	.08
7	1020.6		36	W	10	SSW	15	.01	
8	1016.2		33	NW	10	N	5	.02	
9	1013.0		32	N	15	N	10		
10	1010.6		37	N	42	SE	27	.40	.33
11	1006.0		36	E	27	E	27	.17	.16
12	1009.2		35	NE	10	Calm	0	.03	*
13	1009.2		34			N	10	*	
14	1010.1		36	N	21				*
15	1019.2		36	NW	10	N	5		
16	1027.4		40	W	27	Calm	0		
17	1009.0		33	S	15	S	21		.26
18	992.5		37	E	27	Calm	0	.09*	*
19	998.1		36			S	21	*	
20	1000.2		39	S	21	W	10	.09	
21	1018.8		39	N	2	NW	5		
22	1021.6		37	N	2	Calm	0		
23	1020.0		37	W	21	WNW	21	*	
24	1021.3		35	NW	35	W	27		
25	1016.3		34	W	10	W	10		.02
26	1003.9		28	W	35	SW	15	.35	
27	1011.8		34	W	50	W	50		
28	1022.7		32	N	35	N	21		
29	1012.9		29	S	15	SSE	15		
30	1008.6		33			SSE	10	*	
Oct.									
1	1003.5		33	SW	10	NW	21		
2	1014.2		29	W	10	NW	2		
3	1015.6		29	NW	27	NW	10	Trace	
4	1006.2		27	S	27			.91	*
5	1011.8		34	Calm	0	NW	5		
6	1022.8		29	NW	21	NW	21		
7	1020.8		30	NW	2	SE	21	Trace	
8	1012.3		35	SE	15	Calm	0		
9	1011.2		41	SW	10	SW	10		
10	1008.6		34	Calm	0	NW	21		
11	1014.9		33	Calm	0	SW	15		
12	1003.2		42	SW	27	W	21		
13	999.0		35	Calm	0	W	15		.12
14	984.2		31	W	21				*
15	993.2		26	SW	21	W	42	Trace	
16	994.7		27	W	5	E	35		.09
17	977.4		27	S	27	WSW	27	Trace	
18	990.0		25	SW	21	WSW	35		
19	1003.2		29	W	21	NW	21	Trace	
20	1009.9		28	W	15	N	21	Trace	Trace
21	1016.2		24	NW	21	SW	10		
22	1010.9		16	S	21			.02	.03*
23	1005.6		26	SW	15	NW	27	.03	
24	1013.4		26	SW	21	NW	27		
25	1006.7		20	S	10	S	10		Trace
26	994.6		32	W	27	WNW	42		
27	1005.9		28	NW	50	NW	15		
28	1013.2	29	24	NW	10	S	21		.04
29	999.8		21	SW	15	SW	27	.06	
30	1007.4	32	29	W	27	NNW	27	.02	*
31	1022.4	30	27	W	15	NW	5		

\* Incomplete.

## CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Sept.					
1	Partly cloudy...	Partly cloudy...	20	20	No ice in sight.
2	Cloudless.....	Partly cloudy...	20	20	Large berg NE.
3	Cloudy.....	Overcast.....	20	20	No ice in sight.
4	Overcast.....	Partly cloudy...	20	20	Large berg NE.
5	Fog.....	Rain and fog...	0	0	Visibility zero.
6	Distant fog....	Rain and fog...	4	2	No ice in sight.
7	Distant fog....	Fog.....	9	0	Visibility zero.
8	Fog.....	Fog.....	0	0	
9	Fog.....	Overcast.....	0	20	
10	Moderate rain..	Fog.....	1	$\frac{1}{8}$	
11	Rain and fog...	Rain and fog...	0	$\frac{1}{2}$	
12	Overcast.....	Cloudy.....	20	20	Two small bergs.
13	.....	Cloudy.....	.....	20	No ice in sight.
14	Haze.....	.....	9	.....	Large berg N.
15	Overcast.....	Distant fog....	20	9	No ice in sight.
16	Partly cloudy..	Cloudy.....	20	20	
17	Partly cloudy..	Moderate rain..	20	2	Large berg E.
18	Rain and fog...	Fog.....	1	0	Visibility zero.
19	.....	Overcast.....	.....	20	Large berg N.
20	Fog.....	Fog.....	0	$\frac{1}{4}$	Visibility zero.
21	Fog.....	Fog.....	0	0	
22	Fog.....	Distant fog....	0	9	
23	Distant fog....	Fog.....	2	0	No ice in sight.
24	Haze.....	Fog.....	9	0	
25	Cloudy.....	Partly cloudy..	20	20	
26	Distant fog....	Overcast.....	4	9	
27	Distant fog....	Overcast.....	2	2	
28	Overcast.....	Overcast.....	20	20	
29	Overcast.....	Overcast.....	20	9	Large berg NW.
30	.....	Overcast.....	.....	20	No ice in sight.
Oct.					
1	Overcast.....	Overcast.....	9	20	No ice in sight.
2	Partly cloudy..	Cloudless.....	20	20	Two medium bergs.
3	Partly cloudy..	Cloudless.....	20	20	Large berg N.
4	Overcast.....	.....	20	.....	No ice in sight.
5	Overcast.....	Overcast.....	20	20	Large berg N.
6	Overcast.....	Overcast.....	20	20	No ice in sight.
7	Overcast.....	Overcast.....	20	20	Large berg NE.
8	Fog.....	Haze.....	0	1	No ice sighted. Visibility poor.
9	Haze.....	Haze.....	9	9	No ice in sight.
10	Low fog.....	Fog.....	$\frac{1}{2}$	0	Visibility zero.
11	Distant fog....	Overcast.....	9	9	No ice in sight.
12	Overcast.....	Overcast.....	20	20	
13	Overcast.....	Cont. light rain.	20	9	
14	Partly cloudy..	.....	20	.....	
15	Partly cloudy..	Overcast.....	20	20	
16	Overcast.....	Cont. light snow	20	0	
17	Int. light snow.	Overcast.....	4	20	
18	Overcast.....	Cloudy.....	20	20	
19	Cloudy.....	Overcast.....	20	9	
20	Overcast.....	Int. light snow.	20	$\frac{1}{2}$	
21	Overcast.....	Cloudless.....	20	20	
22	Overcast.....	.....	20	.....	
23	Partly cloudy..	Overcast.....	20	20	
24	Cloudy.....	Overcast.....	20	20	
25	Overcast.....	Overcast.....	20	20	
26	Partly cloudy..	Overcast.....	20	9	
27	Haze.....	Overcast.....	9	9	
28	Overcast.....	Overcast.....	20	20	
29	Haze.....	Cloudy.....	4	9	
30	Haze.....	Partly cloudy..	9	9	
31	Haze.....	Partly cloudy..	9	20	

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Nov.									
1.....	1018.4	36	25	SW	10	SW	21	.....	.....
2.....	1013.0	35	22	SW	10	Calm	0	.....	.....
3.....	1013.4	39	23	Calm	0	W	21	.....	.....
4.....	1016.4	32	26	.....	.....	SW	10	.....*	.....
5.....	1022.0	30	27	NW	5	NW	10	.....	.....
6.....	1019.6	31	22	SE	2	E	27	.....	.....
7.....	992.2	33	26	E	50	E	50	.03	.16
8.....	992.6	34	31	SE	10	SE	10	.25	.....
9.....	1002.1	32	29	NW	10	NW	27	.04	.06
10.....	998.8	32	21	SE	15	SE	42	.....	.....
11.....	971.6	32	30	SE	5	NW	42	.01*	.....
12.....	980.4	30	30	SW	35	NW	35	.01	.02
13.....	989.9	27	26	.....	.....	NW	27	.02*	.....
14.....	990.2	27	24	NW	5	NW	10	.....	.....
15.....	994.3	31	24	NW	15	NW	42	.....	.....
16.....	1004.3	30	13	NW	42	W	35	.....	.....
17.....	1002.3	26	23	.....	.....	SE	27	.....*	.04
18.....	997.2	30	23	E	27	ESE	10	.03	.01*
19.....	1007.1	17	15	NW	42	.....	.....	.05	.....*
20.....	1027.4	20	14	NW	27	Calm	0	.....	.....
21.....	1022.9	18	16	.....	.....	S	10	.....*	.....
22.....	1016.4	23	13	Calm	0	SE	10	.....	.....
23.....	1001.7	24	11	SW	5	NW	15	Trace	.....
24.....	995.6	27	16	S	50	S	21	.....*	.01
25.....	995.6	27	20	SW	21	NW	27	.....	.....
26.....	1007.6	24	19	NW	42	NW	42	.01	.....
27.....	1015.0	18	16	NW	21	NW	27	Trace	Trace
28.....	1020.2	18	14	NW	27	NW	10	Trace	.21
29.....	1021.0	24	8	W	15	NW	27	.....	Trace
30.....	1023.6	20	16	Calm	0	S	5	.....	.....*

\* Incomplete.

CAPE HOPES ADVANCE METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Nov.					
1	Overcast.....	Partly cloudy..	20	20	No ice in sight.
2	Cloudy.....	Cloudy.....	20	20	
3	Overcast.....	Partly cloudy..	20	20	
4	.....	Partly cloudy..	.....	20	
5	Overcast.....	Partly cloudy..	20	20	
6	Partly cloudy..	Overcast.....	20	20	
7	Small hail.....	Small hail.....	1	½	
8	Rain and fog....	Light fog.....	0	4	
9	Moderate snow..	Overcast.....	0	20	
10	Cloudy.....	Heavy snow....	20	0	
11	Fog.....	Cloudy.....	0	20	
12	Overcast.....	Partly cloudy..	20	20	
13	.....	Partly cloudy..	.....	20	
14	Overcast.....	Cloudy.....	20	20	
15	Overcast.....	Overcast.....	20	20	
16	Overcast.....	Overcast.....	20	20	
17	.....	Cont. light snow	.....	9	
18	Moderate snow..	Snow and fog...	4	0	
19	Moderate snow..	.....	0	.....	
20	Partly cloudy..	Overcast.....	20	20	
21	.....	Small hail.....	.....	0	
22	Overcast.....	Overcast.....	20	20	
23	Overcast.....	Overcast.....	20	9	
24	Overcast.....	Cont. light snow	20	1	
25	Overcast.....	Overcast.....	20	20	
26	Distant fog.....	Distant fog.....	4	4	
27	Overcast.....	Cont. light snow	20	4	
28	Overcast.....	Overcast.....	20	20	
29	Cloudy.....	Overcast.....	20	20	
30	Distant fog.....	Light fog.....	9	4	

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## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1.....	1014.9	61	40	E	18	NE	12		
2.....	1019.8	66	51	NE	14	S	15		
3.....	1024.0	61	40	Calm		Calm			
4.....	1025.2	59	38	Calm		Calm			
5.....	1026.7	62	40	Calm		SE	6		
6.....	1021.4	65	49	E	12	SE	12		
7.....	1014.4	54	43	S	15	S	12		
8.....	999.8	54	41	Calm		S	18	.06	.09
9.....	997.2	44	36	NW	18	W	10		
10.....	1007.0	54	38	Calm		SE	12		
11.....	1010.4	51	40	NE	14	Calm			
12.....	1011.7	54	39	Calm		Calm			
13.....	1011.3	57	38	Calm		Calm			
14.....	1008.1	45	36	N	14	NW	12	.03	
15.....	1009.8	49	36	W	6	SE	6		
16.....	1014.6	55	34	Calm		SE	18		
17.....	1015.3	47	31	ENE	10	E	18		
18.....	1017.9	52	34	E	12	E	7		
19.....	1009.0	56	42	NE	20	NE	18		
20.....	1010.7	60	41	NE	15	W	6		
21.....	1014.9	62	47	NE	3	SW	4		
22.....	1018.8	56	44	Calm		SW	1		
23.....	1019.1	61	45	Calm		W	6		
24.....	1014.7	67	40	Calm		Calm			
25.....	1010.3	68	52	Calm		SE	6		
26.....	1008.8	58	44	E	3	Calm			
27.....	1007.6	63	42	S	10	NE	16		
28.....	1007.9	54	42	E	12	E	6		
29.....	1010.2	56	40	Calm		Calm			
30.....	1009.2	60	43	NE	18	E	20		
31.....	1007.4	61	48	NE	24	E	24		
Aug.									
1.....	1011.3	62	45	Calm	0	E	5		
2.....	1014.1	64	43	Calm	0	NW	15		Trace
3.....	1016.4	56	42	NW	10	NW	15		
4.....	1016.4	58	38	NW	15	SE	5	*	
5.....	1020.1	53	36	Calm	0	NW	10		
6.....	1020.2	56	38	Calm	0	SE	5		*
7.....	1017.0	56	43	E	2	SE	5		Trace
8.....	1008.7	67	43	NW	10				*
9.....	1011.2	51	46	Calm	0	SW	10		
10.....	1008.2	60	40	NW	10	N	15	.10	
11.....	1013.1	51	36	W	5	SW	5		
12.....	1013.6	47	36	Calm	0				.10*
13.....	1004.7	47	39	SW	2	N	10	.13*	
14.....	1008.5	48	35	NW	5				*
15.....	1010.2	49	36	NW	5	NW	15		
16.....	1010.5	48	35	SW	5			.01	*
17.....	1009.0	45	36	S	10	E	5		.72
18.....	999.9	54	36	S	10	Calm	0	.09	.11
19.....	1006.3	52	41	N	15	NW	21	.14*	
20.....	1016.4	57	33	W	5	WSW	2		
21.....	1012.4	51	37	E	15	E	10		.04
22.....	1003.6	52	87	SW	10	SSE	15	.03	Trace
23.....	1000.9	42	38	S	15	S	15	Trace*	.13
24.....	1000.9	46				S	10		*
25.....	984.8	49		SE	21	S	21	.12*	
26.....	998.6	49		SW	21	S	15		.05
27.....	999.6	46	39	N	15	NW	21	.02	
28.....	1016.0	42	31	NW	5				*
29.....	1017.2	46	32	Calm	0	W	5		
30.....	1020.4	40	34	W	2	W	10		Trace
31.....	1023.6	45	36			SE	5	Trace*	

\*Incomplete.



## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Overcast.....	Cloudless.....	15	15	Slack ice all directions. Large open water areas.
2	Cloudless.....	Cloudless.....	15	15	
3	Cloudless.....	Cloudless.....	15	15	Loose packed ice all directions.
4	Cloudless.....	Cloudless.....	15	15	
5	Cloudless.....	Cloudy.....	15	15	Slack ice all directions. Large open water areas.
6	Partly cloudy..	Cloudy.....	15	15	Widely scattered drift ice. Large open water areas.
7	Partly cloudy..	Overcast.....	15	15	Widely scattered drift ice all directions.
8	Overcast.....	Light int. drizzle	15	15	Widely scattered slob ice.
9	Overcast.....	Overcast.....	15	15	
10	Overcast.....	Overcast.....	15	15	Few widely scattered pieces slob ice.
11	Overcast.....	Cloudy.....	15	15	Few grounded growlers. No drift ice.
12	Overcast.....	Cloudy.....	15	15	
13	Overcast.....	Partly cloudy..	15	15	Few widely scattered pieces slob ice.
14	Overcast.....	Distant fog.....	15	5	No ice in sight.
15	Fog.....	Distant fog.....	0	4	
16	Overcast.....	Cloudless.....	15	15	
17	Light fog.....	Overcast.....	1	15	
18	Cloudless.....	Cloudless.....	15	15	
19	Cloudy.....	Partly cloudy..	15	15	
20	Cloudless.....	Partly cloudy..	15	15	
21	Cloudless.....	Cloudless.....	15	15	
22	Cloudless.....	Cloudless.....	15	15	
23	Cloudless.....	Cloudless.....	15	15	
24	Cloudless.....	Cloudless.....	15	15	
25	Cloudless.....	Cloudless.....	15	15	
26	Cloudy.....	Cloudless.....	15	15	
27	Cloudless.....	Cloudless.....	15	15	
28	Partly cloudy..	Cloudless.....	15	15	
29	Cloudless.....	Cloudless.....	15	15	
30	Cloudless.....	Cloudless.....	15	15	
31	Cloudless.....	Partly cloudy..	15	15	
Aug.					
1	Cloudless.....	Partly cloudy..	20	20	No ice in sight.
2	Cloudless.....	Partly cloudy..	20	20	
3	Overcast.....	Cloudless.....	20	20	
4	Partly cloudy..	Cloudless.....	20	20	
5	Cloudless.....	Overcast.....	20	20	
6	Cloudy.....	Cloudless.....	20	20	
7	Cloudless.....	Overcast.....	20	20	
8	Cloudless.....	.....	20	.....	
9	Cloudless.....	Rain and fog...	20	$\frac{1}{4}$	
10	Distant fog.....	Cloudless.....	30	20	
11	Cloudless.....	Overcast.....	20	20	
12	Fog.....	.....	$\frac{1}{4}$	.....	
13	Fog.....	Overcast.....	$\frac{1}{2}$	30	
14	Overcast.....	.....	20	.....	
15	Overcast.....	Partly cloudy..	20	20	
16	Cont. light rain.	.....	20	.....	
17	Overcast.....	Moderate drizzle	20	30	
18	Overcast.....	Distant fog.....	1	2	
19	Rain.....	Cloudless.....	20	20	
20	Cloudless.....	Cloudy.....	30	30	
21	Cloudy.....	Cont. light rain.	30	20	
22	Distant fog.....	Overcast.....	4	20	
23	Fog.....	Overcast.....	4	9	
24	.....	Cloudy.....	.....	30	
25	Rain.....	Overcast.....	4	4	
26	Overcast.....	Light fog.....	2	1	
27	Moderate rain..	Cloudless.....	4	20	
28	Distant fog.....	.....	4	.....	
29	Cloudy.....	Overcast.....	20	20	
30	Overcast.....	Drizzle.....	20	1	
31	.....	Partly cloudy..	.....	20	

## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1	1016.4	51	36	SE	10	SE	21		
2	1005.2	49	42	S	21	SW	27	Trace	
3	998.5	44	38	S	15	S	10	.02	.01
4	1005.0	47	38	Calm	0	E	5		
5	1006.0	44	35	NE	15	NE	15		
6	1012.6	57	38	Calm	0	N	10		
7	1020.4	45	37	N	2	SW	10		
8	1018.9	41	34	Calm	0	E	10	*	
9	1018.0	42	30	NE	10	SE	5		
10	1015.4	40	30	E	10	E	10		Trace
11	1010.6	42	31	E	15	SE	15		
12	1010.6	46	34	Calm	0	Calm	0		*
13	1013.3	45	28			NE	2	*	
14	1015.3	44	28	NW	2	NW	5		
15	1019.8	45	31	SW	10	NW	10		
16	1020.8	45	34	SW	15	SW	10		
17	1008.0	45	37	ESE	10	SE	15	Trace	
18	992.6	42	37	NE	10	NE	5		.01
19	997.4	41	32	N	0	NE	15		
20	1012.8	42	32	N	21	N	10		
21	1020.7	41	28	NW	2	SE	5		
22	1019.4	40	28	E	5	S	10	Trace	
23	1022.1	40	34	SW	10	NW	10	*	
24	1023.3	38	28	Calm	0	E	5		
25	1012.1	42	30			SW	10	*	.02
26	1009.0	43	34	SW	10	NW	15	*	
27	1021.2	42	31	NW	15	NW	10		*
28	1023.2	37	29	Calm	0	SE	10		
29	1011.5	43	33	ESE	15	NE	5		
30	1000.3	40	36			SSE	10	*	.68
Oct.									
1	1002.9	39	28	NW	27	NW	15	.09	.12
2	1011.2	34	26	SW	15	NW	10	*	
3	1014.0	39	21	NW	5	SE	15		Trace
4	1000.3	37	32	W	15				*
5	1013.2	36	29	W	2	Calm	0		
6	1022.2	32	28	NE	5	NE	5		
7	1016.4	34	28	E	15	E	15		Trace
8	1006.5	40	30	SW	10	SW	5	.03	
9	1009.1	52	32	Calm	0	NE	10		
10	1006.7	40	28	Calm	0	ENE	15		
11	1007.7	37	29	E	5	SW	15		.01
12	1003.4	38	31	WSW	10	Calm	0	.08	
13	991.6	38	31	S	21	SW	21	.03	.07*
14	988.2	35	18	NNW	27	WNW	27	Trace	
15	992.5	24	18	W	21	WNW	21	Trace	
16	995.9	27	20	W	10	NE	15		Trace
17	977.0	30	21	N	21	NW	27	Trace	Trace
18	987.9	45	24	NW	15	NW	21		
19	1005.6	32	24	NW	15	NW	10	Trace*	
20	1015.1	24	18	NW	10	NW	5	Trace	
21	1007.7	35	19	NNW	21	SSW	35	Trace	.03
22	993.8	34	23	SW	15			Trace	Trace*
23	1000.1	28	20	SW	15	W	27	.05	.01
24	1012.4	28	17	WNW	21	NW	10		
25	998.8	34	20	SE	10	SW	10		.06
26	997.4	34	24	NW	21	WNW	27	.55	.25
27	1014.0	27	20	NW	10	NE	2	*	
28	1007.4	33	18	E	10	NW	27		Trace
29	997.3	33	26	SW	21	WNW	21	.02	
30	1013.4	30	25	NW	21	NW	10		Trace*
31	1021.2	33	25	SW	21	SW	27		

\*Incomplete.

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948—*Cont.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Sept.					
1	Partly cloudy..	Partly cloudy..	20	20	No ice in sight.
2	Light drizzle...	Fog.....	$\frac{1}{2}$	$\frac{1}{4}$	
3	Overcast.....	Fog.....	1	$\frac{1}{4}$	
4	Overcast.....	Fog.....	20	$\frac{1}{8}$	
5	Light fog.....	Overcast.....	1	4	
6	Overcast.....	Partly cloudy..	9	20	
7	Distant fog.....	Fog.....	9	$\frac{1}{4}$	
8	Overcast.....	Cloudy.....	20	20	
9	Cloudy.....	Cloudless.....	20	20	
10	Fog.....	Fog.....	1	1	
11	Cloudy.....	Overcast.....	20	9	
12	Cloudy.....	Partly cloudy..	20	20	
13	.....	Partly cloudy..	.....	9	
14	Cloudy.....	Cloudy.....	20	20	
15	Cloudy.....	Partly cloudy..	20	9	
16	Cloudy.....	Overcast.....	20	20	
17	Int. light rain..	Overcast.....	20	20	
18	Overcast.....	Fog.....	4	$\frac{1}{8}$	
19	Cloudy.....	Overcast.....	9	9	
20	Overcast.....	Cloudless.....	9	20	
21	Cloudy.....	Partly cloudy..	20	20	
22	Light drizzle...	Fog.....	$\frac{1}{8}$	$\frac{1}{8}$	
23	Fog.....	Distant fog.....	$\frac{1}{4}$	1	
24	Fog.....	Partly cloudy..	0	20	
25	.....	Fog.....	.....	$\frac{1}{8}$	
26	Cloudy.....	Partly cloudy..	20	20	
27	Overcast.....	Overcast.....	9	20	
28	Cloudy.....	Overcast.....	20	20	
29	Overcast.....	Cloudy.....	20	20	
30	.....	Cont. light rain..	.....	4	
Oct.					
1	Drifting snow...	Moderate snow..	1	4	No ice in sight.
2	Partly cloudy..	Cloudy.....	20	9	
3	Partly cloudy..	Overcast.....	20	20	
4	Distant fog.....	.....	1	.....	
5	Cloudy.....	Partly cloudy..	20	20	
6	Overcast.....	Overcast.....	20	20	
7	Overcast.....	Light drizzle...	9	4	
8	Fog.....	Distant fog.....	$\frac{1}{8}$	4	
9	Cloudy.....	Partly cloudy..	20	9	
10	Fog.....	Overcast.....	$\frac{1}{4}$	9	
11	Overcast.....	Distant fog.....	9	$\frac{1}{4}$	
12	Light drizzle...	Cloudless.....	$\frac{1}{8}$	20	
13	Distant fog.....	Overcast.....	2	9	
14	Overcast.....	Cloudy.....	9	4	
15	Overcast.....	Overcast.....	9	9	
16	Overcast.....	Overcast.....	9	9	
17	Cont. light snow	Drifting snow...	2	$\frac{1}{8}$	
18	Overcast.....	Overcast.....	9	9	
19	Snow showers..	Partly cloudy..	4	20	
20	Overcast.....	Cloudy.....	20	20	
21	Cloudy.....	Overcast.....	20	4	
22	Cloudy.....	.....	4	.....	
23	Overcast.....	Drifting snow...	4	1	
24	Drifting snow...	Partly cloudy..	4	20	
25	Overcast.....	Rain.....	9	9	
26	Cont. light snow	Moderate snow..	1	2	
27	Overcast.....	Overcast.....	9	20	
28	Cloudy.....	Moderate snow..	9	4	
29	Overcast.....	Overcast.....	9	9	
30	Ugly sky.....	Int. light snow..	9	4	
31	Overcast.....	Overcast.....	9	9	

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948 Nov.									
1.....	1013.4	33	26	S	15	S	15	.....	Trace
2.....	1006.3	34	26	SW	27	SW	21	Trace	Trace
3.....	1012.3	34	26	WSW	21	SW	21	.....	.....
4.....	1016.8	29	24	.....	.....	NW	5	.....*	.....
5.....	1020.0	32	20	SW	15	SW	21	.....	.....
6.....	1015.0	32	21	NE	2	ESE	15	.....	.....
7.....	988.2	32	21	ENE	35	E	35	.15	.50
8.....	984.4	33	32	E	21	ENE	21	Trace	.....
9.....	999.8	33	31	S	15	SE	5	Trace	Trace
10.....	999.4	31	29	SE	15	E	2	.....	.....
11.....	981.5	31	22	N	15	N	15	Trace	.20
12.....	985.8	30	24	NW	15	WNW	21	Trace	.....
13.....	.....	28	15	.....	.....	.....	.....	.03*	.50*
14.....	995.1	18	.....	NW	15	NE	10	.....	Trace
15.....	1002.0	19	.....	NW	15	SW	10	Trace	.....
16.....	1006.0	25	22	NW	10	SW	10	.....	Trace
17.....	1003.2	27	19	E	10	NE	10	.25	.25
18.....	1010.2	22	18	NE	15	N	15	.60	.....
19.....	1025.6	26	15	NW	10	W	10	.05	.....
20.....	1023.6	30	15	S	21	SW	21	Trace	.05
21.....	1018.8	29	20	W	15	NE	5	.50	.....
22.....	1012.2	24	14	S	21	S	15	.07	Trace
23.....	999.6	23	12	NE	5	Calm	0	.01	Trace
24.....	990.0	26	16	E	15	NE	15	Trace*	.05
25.....	996.2	24	13	N	15	NW	15	.01	1.00
26.....	1014.8	17	12	NW	21	N	10	Trace	.....
27.....	1018.4	16	5	N	2	E	5	.....	.05
28.....	1017.0	21	4	ENE	15	NE	21	.05	.50
29.....	1000.3	21	7	.....	.....	.....	.....	.....*	.....
30.....	1024.2	13	6	NE	21	ENE	21	Trace	.....*

\*Incomplete.

NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Nov.					
1	Cloudy.....	Partly cloudy..	9	20	No ice in sight.
2	Overcast.....	Cloudless.....	9	20	
3	Ugly sky.....	Cloudy.....	9	20	
4	.....	Partly cloudy..	.....	20	
5	Overcast.....	Partly cloudy..	9	20	
6	Partly cloudy..	Partly cloudy..	20	9	
7	Moderate snow.	Drifting snow...	$\frac{1}{8}$	$\frac{1}{8}$	
8	Overcast.....	Overcast.....	1	9	
9	Cont. light snow	Cloudy.....	4	9	Ice forming in coves.
10	Partly cloudy..	Drifting snow...	9	9	
11	Overcast.....	Cont. light snow	9	2	
12	Int. light snow..	Drifting snow...	4	4	
13	.....	Overcast.....	.....	4	
14	Cloudy.....	Cloudy.....	9	20	
15	Overcast.....	Overcast.....	20	20	
16	Overcast.....	Overcast.....	20	20	
17	Snow.....	Cont. light snow	9	4	
18	Cont. light snow	Cloudless.....	2	20	
19	Overcast.....	Cloudy.....	20	20	
20	Drifting snow...	Overcast.....	4	9	
21	Overcast.....	Partly cloudy..	9	20	
22	Cont. light snow	Partly cloudy..	4	20	
23	Int. light snow..	Overcast.....	4	9	
24	Int. light snow..	Cont. light snow	4	1	
25	Partly cloudy..	Moderate snow.	20	4	
26	Partly cloudy..	Overcast.....	4	20	
27	Partly cloudy..	Cloudless.....	20	20	
28	Moderate snow.	Heavy snow....	$\frac{1}{2}$	$\frac{1}{4}$	Small amount of string ice to one mile off shore. Cove frozen but not solid.
29	.....	Cloudy.....	.....	9	String ice near shore.
30	Partly cloudy..	Drifting snow...	20	1	

## CHURCHILL METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1.....	1019.4	62	41	ESE	6	E	14		
2.....	1022.2	61	39	SE	14	ESE	30		
3.....	1011.1	65	44	SE	30	SE	18	.59	
4.....	1010.8	80	49	SSE	10	SE	23	.04	
5.....	1012.4	82	46	SE	14	NW	8		.22
6.....	1016.6	70	48	NNW	10	E	14		
7.....	1007.0	87	49	SSE	18	SW	17	.36	.01
8.....	1009.8	57	48	NW	20	ENE	8		
9.....	1007.0	57	50	N	12	SW	8	.15	.03
10.....	1009.0	58	45	WNW	10	NNE	18	Trace	.01
11.....	1016.0	51	44	NNW	11	NNW	10	.03	
12.....	1019.0	73	41	WSW	7	E	12		
13.....	1020.0	73	54	NW	17	SE	10		
14.....	1014.8	82	58	WSW	12	NE	26		
15.....	1016.4	57	47	ENE	13	E	12	Trace	Trace
16.....	1016.5	62	42	Calm		NE	1		
17.....	1012.6	60	44	NW	10	W	4	Trace	Trace
18.....	1010.8	52	46	NE	18	NNW	24	Trace	.20
19.....	1010.0	52	43	NNW	32	N	20	.02	Trace
20.....	1015.6	54	46	NNE	21	N	7		
21.....	1018.8	66	44	NE	11	E	15		
22.....	1018.5	74	42	SE	7	ESE	20		
23.....	1017.0	73	47	SE	9	SE	15		
24.....	1011.0	71	44	SE	11	ESE	17		
25.....	1001.2	71	48	ESE	18	E	18		
26.....	1005.6	59	47	ENE	20	NE	12		
27.....	1008.6	70	48	NW	6	SSE	12		.03
28.....	1006.7	70	53	S	4	E	18		
29.....	1001.2	77	49	SE	18	ESE	24		.07
30.....	993.6	52	48	NNW	4	NNW	17	1.99	.85
31.....	1004.3	53	50	NW	9	N	15	.05	Trace
Aug.									
1.....	1015.6	52	48	NE	11	NNW	10	.01	Trace
2.....	1024.6	60	49	NNE	7	ENE	9		
3.....	1028.4	73	52	WNW	7	NNW	4		
4.....	1025.0	75	55	W	12	NNE	4		
5.....	1022.4	71	58	NW	8	ENE	8		
6.....	1023.3	69	49	SE	10	ESE	15		
7.....	1022.4	72	43	SE	6	SE	16		
8.....	1018.8	77	46	S	9	E	12		
9.....	1014.8	81	52	S	9	ENE	8		
10.....	1013.2	79	60	WSW	7	SE	6		
11.....	1014.8	78	60	N	15	ESE	6	.02	
12.....	1014.0	85	52	SSW	10	WSW	12		
13.....	1019.4	57	54	NNE	20	NNE	8	Trace	
14.....	1022.0	61	52	WNW	8	ESE	12		
15.....	1017.2	69	48	SW	10	ESE	9		
16.....	1003.4	72	54	SSW	24	W	5	.26	.25
17.....	1004.8	55	50	NNW	18	NW	6	.01	Trace
18.....	1009.0	59	50	ESE	6	ENE	8	.25	
19.....	1010.8	60	48	SE	6	SE	30	.04	
20.....	991.8	65	52	E	12	E	15	.14	.02
21.....	994.2	70	54	SW	22	SSE	16	.01	.20
22.....	997.8	61	48	WSW	24	WSW	24	Trace	
23.....	1004.2	60	49	SW	22	Calm			
24.....	986.7	76	46	SSE	14	W	12	.35	.02
25.....	994.2	57	41	WNW	28	WSW	20	Trace	
26.....	1002.5	55	42	S	8	W	28	.04	Trace
27.....	1018.4	58	41	W	14	ESE	8		.11
28.....	1017.1	53	43	NNW	20	WNW	6	Trace	
29.....	1019.3	61	41	SW	8	SSW	7		Trace
30.....	1020.2	64	41	W	8	SE	20		
31.....	1006.0	68	48	SSE	20	SSE	22		.09

## CHURCHILL METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Cloudless.....	Cloudy.....	20	20	No ice in sight.
2	Partly cloudy..	Cloudy.....	20	20	
3	Cont. light rain.	Cloudless.....	2	20	
4	Rain and snow..	Cloudy.....	20	20	
5	Cloudy.....	Thunder.....	20	20	
6	Partly cloudy..	Cloudless.....	20	20	
7	Overcast.....	Overcast.....	20	20	
8	Overcast.....	Overcast.....	20	20	
9	Cont. light rain.	Overcast.....	20	20	
10	Overcast.....	Light fog.....	20	1	
11	Drizzle.....	Partly cloudy..	20	20	
12	Distant fog....	Cloudy.....	20	20	
13	Partly cloudy..	Cloudy.....	20	20	
14	Partly cloudy..	Cloudy.....	20	20	
15	Cloudy.....	Int. light rain..	20	20	
16	Partly cloudy..	Overcast.....	20	20	
17	Partly cloudy..	Distant rain....	20	20	
18	Drizzle.....	Cont. light rain.	20	4	
19	Overcast.....	Overcast.....	20	9	
20	Cloudy.....	Cloudless.....	20	20	
21	Cloudy.....	Partly cloudy..	20	20	
22	Light fog.....	Cloudless.....	2	20	
23	Cloudless.....	Partly cloudy..	20	20	
24	Distant fog....	Cloudless.....	20	20	
25	Cloudy.....	Overcast.....	20	20	
26	Partly cloudy..	Cloudy.....	20	20	
27	Overcast.....	Distant rain....	20	20	
28	Overcast.....	Partly cloudy..	20	20	
29	Cloudy.....	Overcast.....	20	20	
30	Moderate rain..	Cont. light rain.	2	4	
31	Cont. light rain.	Overcast.....	20	20	
Aug.					
1	Cont. light drizzle.....	Overcast.....	4	20	No ice in sight.
2	Overcast.....	Partly cloudy..	20	20	
3	Overcast.....	Cloudy.....	20	20	
4	Cloudy.....	Partly cloudy..	20	20	
5	Partly cloudy..	Partly cloudy..	20	20	
6	Cloudy.....	Cloudless.....	20	20	
7	Cloudless.....	Cloudless.....	20	20	
8	Cloudless.....	Cloudless.....	20	20	
9	Cloudless.....	Cloudless.....	20	20	
10	Cloudy.....	Cloudy.....	20	20	
11	Thunderstorm..	Cloudless.....	20	20	
12	Cloudless.....	Cloudy.....	20	20	
13	Overcast.....	Partly cloudy..	20	20	
14	Overcast.....	Partly cloudy..	20	20	
15	Cloudy.....	Cloudy.....	20	20	
16	Thunderstorm..	Overcast.....	9	20	
17	Partly cloudy..	Overcast.....	9	20	
18	Overcast.....	Cloudy.....	20	20	
19	Cont. light rain.	Cloudy.....	20	20	
20	Cont. light rain.	Int. light rain..	9	4	
21	Cloudless.....	Distant rain....	20	20	
22	Overcast.....	Overcast.....	20	20	
23	Overcast.....	Cloudy.....	20	20	
24	Thunderstorm..	Overcast.....	20	20	
25	Overcast.....	Overcast.....	20	20	
26	Int. light rain..	Partly cloudy..	20	20	
27	Cloudless.....	Overcast.....	20	20	
28	Overcast.....	Overcast.....	20	20	
29	Overcast.....	Distant rain....	20	20	
30	Low fog.....	Cloudy.....	2	20	
31	Overcast.....	Cont. rain.....	9	20	

## CHURCHILL METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Baro- meter	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1.....	1001.8	72	54	WSW	16	SW	14	.18	.....
2.....	1010.7	65	51	WSW	16	WNW	12	.....	.....
3.....	1010.1	53	48	NE	12	E	22	.....	.....
4.....	999.8	55	45	SE	7	ENE	16	.....	.....
5.....	1004.6	51	44	E	12	ENE	20	.....	.03
6.....	1013.4	46	44	ENE	21	ENE	20	.01	.05
7.....	1017.4	46	44	ENE	19	ENE	17	.15	.06
8.....	1021.5	46	42	NE	16	N	9	.06	.....
9.....	1017.3	54	37	NNW	2	SE	11	.....	Trace
10.....	1003.6	50	44	SSE	14	SE	17	.03	.....
11.....	1003.2	47	44	ENE	12	ENE	12	.....	.....
12.....	1010.5	46	42	ENE	18	NNE	18	Trace	Trace
13.....	1021.6	51	40	W	10	S	6	Trace	.....
14.....	1026.3	46	40	WNW	10	ENE	6	.....	.....
15.....	1024.0	54	32	S	11	SE	20	.....	Trace
16.....	1001.6	60	45	SE	25	SW	20	.10	Trace
17.....	1000.0	54	44	NW	24	WNW	12	Trace	.....
18.....	994.2	71	46	SW	18	WSW	10	.....	.....
19.....	1008.3	46	40	NNW	28	NNW	30	.07	.....
20.....	1018.4	56	31	WSW	4	SSE	23	.....	.....
21.....	1009.4	65	41	SSE	18	SSE	24	.....	.....
22.....	1011.0	70	43	S	12	SE	18	.....	.....
23.....	1013.4	70	46	SSE	14	SSE	19	.....	.....
24.....	1015.8	69	45	SSE	14	SW	19	.....	.....
25.....	1023.5	60	46	WSW	10	SSW	14	.08	.....
26.....	1020.0	67	44	SW	18	SW	9	.....	.....
27.....	1016.6	65	38	SSE	7	ESE	18	.....	Trace
28.....	998.9	60	48	S	20	WSW	24	.06	.16
29.....	1011.8	50	46	WNW	22	E	8	.03	.01
30.....	1013.6	37	33	N	42	NNW	20	.38	.03
Oct.									
1.....	1021.2	42	29	W	12	SW	14	.....	.....
2.....	1015.6	50	32	SW	12	ENE	13	.....	.....
3.....	1009.2	66	34	S	16	SW	12	.....	.....
4.....	1004.8	51	41	SSW	10	E	17	.....	Trace
5.....	1003.6	61	44	S	6	SE	12	Trace	.....
6.....	1007.8	55	43	S	12	SSE	15	.....	.....
7.....	1007.4	59	39	S	11	SW	12	.....	.....
8.....	996.5	56	47	SE	10	SE	14	.57	.....
9.....	1006.0	47	40	NW	6	N	28	.....	Trace
10.....	1017.0	38	34	NNW	20	SSW	6	.....	.....
11.....	1011.1	56	32	SW	12	SSW	12	.....	.....
12.....	1011.0	52	41	N	20	SSW	12	.....	.....
13.....	1004.2	55	42	SW	16	N	18	.....	Trace
14.....	1010.2	52	34	WNW	10	NNE	18	.....	.....
15.....	1008.6	29	20	N	16	NNW	20	Trace	Trace
16.....	1010.5	21	16	NW	40	NW	26	.01	.02
17.....	1009.0	29	15	WNW	26	SSW	35	Trace	.....
18.....	1009.2	31	23	N	8	NNW	9	.....	.....
19.....	1019.8	32	28	WNW	8	WSW	4	.....	.....
20.....	1019.4	40	24	SSE	10	WSW	8	.....	.....
21.....	1003.6	42	33	SSW	22	NW	20	.....	.....
22.....	1015.0	28	23	WNW	36	WNW	30	.....	.....
23.....	1015.0	37	17	SSE	10	SSE	20	.....	.....
24.....	1004.9	40	25	ENE	8	S	12	.....	.....
25.....	1011.2	40	30	WNW	16	WNW	14	.....	.....
26.....	1011.8	43	25	SSE	15	SW	18	.....	.....
27.....	1011.1	34	29	SW	8	NW	16	.....	.....
28.....	1007.9	45	31	S	16	SW	10	.....	.....
29.....	1014.3	38	30	WNW	12	SW	16	.....	.....
30.....	1017.7	39	24	S	12	SSE	10	.....	.....
31.....	1007.6	36	30	SSE	15	SE	18	.....	.08



## CHURCHILL METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Sept.					
1	Partly cloudy..	Overcast.....	20	20	No ice in sight.
2	Partly cloudy..	Partly cloudy..	20	20	
3	Cloudless.....	Overcast.....	20	20	
4	Cloudy.....	Overcast.....	20	20	
5	Fog.....	Light fog.....	$\frac{1}{4}$	1	
6	Cont. light drizzle.	Cont. light drizzle.	4	2	
7	Int. light rain...	Overcast.....	2	9	
8	Cont. light drizzle.	Overcast.....	4	20	
9	Partly cloudy..	Overcast.....	20	20	
10	Overcast.....	Overcast.....	20	20	
11	Overcast.....	Overcast.....	9	20	
12	Drizzle.....	Drizzle.....	4	20	
13	Overcast.....	Overcast.....	20	20	
14	Overcast.....	Partly cloudy..	20	20	
15	Fog.....	Overcast.....	$\frac{1}{4}$	20	
16	Overcast.....	Overcast.....	20	20	
17	Drizzle.....	Overcast.....	20	20	
18	Partly cloudy..	Cloudy.....	20	20	
19	Overcast.....	Overcast.....	20	20	
20	Overcast.....	Partly cloudy..	20	20	
21	Cloudy.....	Partly cloudy..	20	20	
22	Partly cloudy..	Overcast.....	20	20	
23	Partly cloudy..	Cloudy.....	20	20	
24	Cloudy.....	Overcast.....	20	20	
25	Cont. light rain.	Partly cloudy..	20	20	
26	Cloudless.....	Cloudless.....	20	20	
27	Cloudless.....	Partly cloudy..	20	20	
28	Rain.....	Cont. light rain.	9	4	
29	Overcast.....	Overcast.....	20	20	
30	Cont. light rain.	Overcast.....	4	20	
Oct.					
1	Overcast.....	Cloudy.....	20	20	No ice in sight.
2	Overcast.....	Partly cloudy..	20	20	
3	Cloudless.....	Cloudy.....	20	20	
4	Light fog.....	Smoke.....	4	2	
5	Int. rain.....	Smoke.....	2	2	
6	Smoke.....	Smoke.....	4	4	
7	Smoke.....	Smoke.....	4	2	
8	Cont. light rain.	Overcast.....	$\frac{1}{8}$	20	
9	Overcast.....	Int. light rain...	9	1	
10	Drizzle.....	Fog.....	2	0	
11	Partly cloudy..	Partly cloudy..	9	20	
12	Partly cloudy..	Cloudy.....	20	20	
13	Partly cloudy..	Cloudy.....	20	20	
14	Cloudy.....	Cloudy.....	20	20	
15	Overcast.....	Cont. light snow	20	4	
16	Cont. light snow	Snow showers..	2	4	
17	Overcast.....	Cloudy.....	20	20	
18	Cloudy.....	Overcast.....	20	20	
19	Overcast.....	Overcast.....	20	20	
20	Overcast.....	Partly cloudy..	20	20	
21	Overcast.....	Overcast.....	20	20	
22	Partly cloudy..	Cloudless.....	20	20	
23	Overcast.....	Partly cloudy..	20	20	
24	Overcast.....	Cloudless.....	20	20	
25	Overcast.....	Cloudless.....	20	20	
26	Overcast.....	Overcast.....	20	20	
27	Overcast.....	Overcast.....	20	20	
28	Overcast.....	Cloudless.....	9	20	
29	Cloudy.....	Cloudless.....	20	20	
30	Cloudless.....	Cloudy.....	20	20	
31	Cloudless.....	Cont. light rain.	20	9	

CHURCHILL METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Baro- meter	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948 Nov.									
1.....	1004.4	40	32	W	24	SW	12	Trace	.....
2.....	1010.9	35	29	WSW	22	SSW	12	.....	.....
3.....	1011.4	39	27	SW	14	SSW	10	.....	.....
4.....	1016.6	40	21	SSW	4	SSE	10	.....	.....
5.....	1013.4	36	22	SSE	8	S	5	.03	.01
6.....	999.8	34	31	N	6	NNW	26	.03	.09
7.....	994.6	30	25	NNW	34	NW	50	Trace	.....
8.....	999.2	23	17	WNW	40	W	36	Trace	.10
9.....	999.0	23	20	WNW	36	WNW	26	.05	.02
10.....	996.0	31	19	WNW	24	W	22	.04	.01
11.....	1000.7	28	24	NNW	30	NNW	26	.01	.05
12.....	1009.5	21	14	NNW	24	WNW	22	.01	.07
13.....	1008.9	10	2	W	16	WSW	10	Trace	Trace
14.....	1007.8	21	4	SE	4	SW	4	Trace	Trace
15.....	1007.2	27	15	WSW	4	E	4	Trace	.01
16.....	1004.9	29	20	NE	22	N	36	Trace	Trace
17.....	1011.6	17	9	N	24	NW	26	.11	.24
18.....	1027.6	10	2	WNW	18	W	12	.03	.....
19.....	1025.2	18	-4	S	14	S	20	.....	.....
20.....	1020.2	19	10	S	12	S	10	.....	.....
21.....	1009.4	19	8	SW	6	SW	8	.....	.03
22.....	1005.6	22	10	SSW	8	SSE	10	.....	Trace
23.....	990.6	24	12	S	4	WNW	40	.05	.14
24.....	1003.7	11	2	WNW	32	WNW	16	Trace	.02
25.....	1014.1	9	-1	W	10	SW	6	Trace	Trace
26.....	1017.6	19	-3	SSE	12	S	10	.04	Trace
27.....	1023.2	17	7	SW	8	NW	10	Trace	.03
28.....	1020.6	9	4	NNW	10	NNW	18	.03	.03
29.....	1015.9	24	3	NW	14	NNW	20	.01	.05
30.....	1017.8	13	6	NW	20	NW	15	.07	Trace

CHURCHILL METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1948			Miles	Miles	
Nov.					
1	Overcast.....	Cloudless.....	20	20	
2	Overcast.....	Partly cloudy..	20	20	
3	Partly cloudy..	Cloudless.....	20	20	
4	Cloudless.....	Cloudless.....	20	20	
5	Overcast.....	Drizzle and fog.	20	0	
6	Overcast.....	Fog.....	9	2	
7	Cont. snow.....	Overcast.....	2	20	Bay and River clear. Lakes freezing.
8	Cloudy.....	Cont. light snow	20	0	Ice in upper river. Bay clear.
9	Cont. light snow	Cont. light snow	1	4	
10	Cont. light snow	Cloudy.....	2	20	River frozen. Slob ice in bay to half mile off shore.
11	Cont. snow.....	Cont. light snow	9	4	Slob ice in Bay extends one mile off shore.
12	Cont. light snow	Cont. light snow	9	9	
13	Overcast.....	Partly cloudy..	20	20	
14	Partly cloudy..	Cont. light snow	20	4	
15	Overcast.....	Overcast.....	20	20	
16	Overcast.....	Cont. light drizzle.	20	4	River frozen. Slob ice in Bay.
17	Cont. light snow	Cont. light snow	4	0	Close packed slob ice in Bay to one mile off shore.
18	Overcast.....	Overcast.....	9	20	No open water in sight.
19	Cloudless.....	Overcast.....	20	20	Few strings loose packed ice in Bay.
20	Overcast.....	Overcast.....	20	20	
21	Partly cloudy..	Cont. light snow	20	4	
22	Overcast.....	Overcast.....	20	20	
23	Cont. light snow	Drifting snow..	1	1	
24	Drifting snow..	Overcast.....	0	4	River and Bay full of close packed ice.
25	Int. light snow..	Overcast.....	9	20	Close packed from one mile off shore to horizon.
26	Cont. light snow	Overcast.....	9	20	
27	Overcast.....	Cont. light snow	20	9	
28	Cont. light snow	Cont. light snow	4	4	
29	Sleet.....	Overcast.....	9	2	Bay full close packed ice to horizon.
30	Cont. snow.....	Partly cloudy..	4	20	No open water in sight.

## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1.....	1019.2	64	42	N	12	S	7		
2.....	1023.2	67	45	N	7	S	12		
3.....	1020.4	49	37	SW	6	SE	10		
4.....	1016.7	38	35	S	11	S	21	.03	.14
5.....	1014.5	43	35	S	20	SSW	26		
6.....	1012.3	64	35	S	9	NW	13		
7.....	1010.2	55	38	NW	10	S	5		.72
8.....	1003.8	61	36	N	12	NNW	15	.10	
9.....	1003.3	60	43	NNW	14	N	15		
10.....	1008.0	55	42	E	8	NE	8		.02
11.....	1014.8	54	41	NE	13	S	7		
12.....	1013.8	67	43	NE	6	N	14		
13.....	1017.6	68	39	N	5	E	6		
14.....	1015.4	59	42	E	10	S	12		
15.....	1014.6	66	47	N	9	N	21		Trace
16.....	1013.2	52	42	N	4	S	18		
17.....	1014.5	48	38	E	12	E	8		
18.....	1015.8	57	37	E	14	NE	12		
19.....	1012.6	61	46	N	15	E	5		
20.....	1014.0	68	46	N	8	SW	14		Trace
21.....	1016.2	61	48	N	12	SE	7	Trace	
22.....	1018.2	51	40	S	6	S	18		
23.....	1016.6	66	39	S	9	SW	24		
24.....	1012.0	60	40	S	10	S	18		
25.....	1008.7	54	38	S	8	S	8		
26.....	1008.7	58	42	S	6	S	18		
27.....	1009.0	60	48	N	10	S	10		
28.....	1010.0	54	44	E	8	SE	13		
29.....	1008.0	50	39	SE	8	SE	12		
30.....	1003.8	49	38	SE	15	SE	14		
31.....	1007.4	56	40	E	10	SE	8	Trace	
Aug.									
1.....	1015.4	70	45	N	10	SE	5		
2.....	1021.4	71	51	N	13	N	14		Trace
3.....	1023.0	57	46	Calm		S	8	Trace	
4.....	1019.2	71	45	N	15	S	8		
5.....	1022.0	71	43	S	5	W	17		
6.....	1020.8	73	52	W	18	W	16		
7.....	1017.8	82	57	W	15	W	16		
8.....	1013.6	74	47	NW	16	S	6		
9.....	1009.4	86	47	NW	12	NW	17		Trace
10.....	1014.2	71	46	Calm		W	13	Trace	
11.....	1014.3	69	52	W	16	SSW	6		
12.....	1009.9	72	45	SW	14	N	22	Trace	Trace
13.....	1013.6	57	45	N	27	N	32	Trace	
14.....	1015.4	59	45	N	20	WNW	26		.03
15.....	1016.1	54	42	N	12	N	12		
16.....	1005.1	46	38	S	8	E	15	.01	
17.....	1004.0	54	43	E	16	NE	10		
18.....	1007.6	60	43	NNW	10	NNE	10		
19.....	1017.0	49	40	E	7	NNE	8		
20.....	1011.4	46	41	SE	12	ESE	26		.47
21.....	997.1	48	42	SE	42	S	15	.96	Trace
22.....	988.3	52	42	SSE	22	SSW	16	.48	Trace
23.....	993.4	50	43	W	28	NW	24	Trace	.02
24.....	998.2	47	35	SW	8	SE	34	.01	.63
25.....	976.4	51	34	W	13	NW	32		.01
26.....	993.6	53	41	W	24	NNW	12		
27.....	1011.6	53	40	NW	28	N	11		
28.....	1016.0	51	42	SW	9	SW	12	.02	
29.....	1016.2	50	38	SW	8	SW	12		
30.....	1019.4	51	36	SW	8	SW	20		Trace
31.....	1010.2	46	40	S	17	S	20	Trace	

## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Partly cloudy..	Partly cloudy..	20	20	Lakes opening. Inlet full of loose packed ice.
2	Cloudless.....	Partly cloudy..	20	20	Cracks developing in harbour ice.
3	Cloudy.....	Overcast.....	20	20	Scattered drift ice inlet mouth.
4	Overcast.....	Overcast.....	20	9	Drift ice mouth of inlet to Fairway Island.
5	Overcast.....	Overcast.....	9	20	Cracks widening in harbour ice.
6	Partly cloudy..	Overcast.....	20	20	Floe edge at mouth of harbour.
7	Overcast.....	Thunderstorm..	20	0	Small amount loose packed drift ice in harbour.
8	Rain and fog....	Partly cloudy..	$\frac{1}{2}$	20	Lakes open. Harbour clear. Scattered ice in inlet.
9	Partly cloudy..	Overcast.....	20	20	Harbour clear. Scattered drift ice in inlet.
10	Overcast.....	Int. light drizzle	20	9	Loose packed ice in harbour and inlet.
11	Cloudless.....	Cloudy.....	20	20	Scattered drift ice and growlers in harbour.
12	Cloudy.....	Partly cloudy..	20	20	Scattered growlers in harbour and inlet.
13	Partly cloudy..	Partly cloudy..	20	20	Little scattered ice in inlet. Few growlers in harbour.
14	Partly cloudy..	Cloudless.....	20	20	No ice in sight.
15	Partly cloudy..	Light rain showers.....	20	20	
16	Overcast.....	Overcast.....	20	9	
17	Overcast.....	Overcast.....	9	9	
18	Cloudy.....	Cloudy.....	20	20	
19	Partly cloudy..	Cloudless.....	20	20	
20	Partly cloudy..	Cloudy.....	20	20	
21	Partly cloudy..	Partly cloudy..	20	9	
22	Heavy fog.....	Partly cloudy..	$\frac{1}{2}$	9	
23	Cloudless.....	Cloudless.....	20	20	
24	Cloudless.....	Cloudless.....	20	20	
25	Cloudy.....	Cloudy.....	9	20	
26	Partly cloudy..	Cloudy.....	20	20	
27	Overcast.....	Cloudy.....	20	20	
28	Overcast.....	Cloudless.....	20	20	
29	Partly cloudy..	Partly cloudy..	20	20	
30	Overcast.....	Haze.....	9	9	
31	Drizzle and fog.	Light fog.....	0	20	
Aug.					
1	Partly cloudy..	Overcast.....	20	20	No ice in sight.
2	Cloudless.....	Int. light rain..	20	20	
3	Overcast.....	Overcast.....	20	20	
4	Overcast.....	Cloudy.....	20	20	
5	Fog.....	Cloudless.....	0	20	
6	Overcast.....	Cloudless.....	9	20	
7	Overcast.....	Cloudy.....	20	20	
8	Distant fog.....	Fog.....	20	$\frac{1}{4}$	
9	Partly cloudy..	Thunder.....	20	9	
10	Fog.....	Partly cloudy..	$\frac{1}{2}$	20	
11	Partly cloudy..	Partly cloudy..	20	20	
12	Partly cloudy..	Partly cloudy..	20	20	
13	Partly cloudy..	Partly cloudy..	20	20	
14	Cloudy.....	Cont. light rain.	20	2	
15	Overcast.....	Partly cloudy..	20	20	
16	Overcast.....	Drizzle and fog.	20	$\frac{1}{4}$	
17	Overcast.....	Overcast.....	9	9	
18	Cloudy.....	Partly cloudy..	20	20	
19	Cloudy.....	Overcast.....	20	20	
20	Overcast.....	Cont. light rain.	9	4	
21	Cont. light rain.	Light fog.....	4	4	
22	Cont. light rain.	Cloudy.....	2	9	
23	Overcast.....	Overcast.....	20	20	
24	Overcast.....	Rain and fog...	20	1	
25	Overcast.....	Cloudy.....	20	20	
26	Cloudy.....	Overcast.....	9	4	
27	Partly cloudy..	Cloudy.....	20	20	
28	Overcast.....	Overcast.....	9	20	
29	Fog.....	Overcast.....	$\frac{1}{2}$	9	
30	Fog.....	Overcast.....	4	9	
31	Distant fog.....	Overcast.....	4	9	

## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1.....	992.8	50	32	S	30	SW	24	.38	.....
2.....	994.2	51	41	NW	24	NW	30	.02	.....
3.....	1004.0	51	42	N	24	N	16	.....	.....
4.....	1007.4	45	39	E	8	E	10	.....	.....
5.....	1010.5	45	41	E	12	E	4	.....	.....
6.....	1018.4	46	40	NE	8	S	7	.....	.....
7.....	1021.4	53	37	N	8	NW	8	.....	.....
8.....	1021.4	52	41	N	6	E	8	.....	.....
9.....	1017.2	46	32	W	4	S	14	.....	.....
10.....	1010.0	44	39	S	12	S	12	.....	Trace
11.....	1009.8	45	39	SE	9	E	12	.04	.....
12.....	1013.4	47	38	ENE	11	NE	3	.04	.....
13.....	1016.2	50	31	NW	8	N	11	.....	.....
14.....	1020.4	50	35	NW	12	NW	6	.....	.....
15.....	1019.2	53	37	W	14	W	20	.....	.....
16.....	1011.8	44	37	SW	13	SE	20	.....	.20
17.....	996.1	44	42	E	26	NE	14	.20	.19
18.....	991.2	43	40	N	1	S	13	.02	.07
19.....	1004.9	43	36	NE	28	NE	22	.11	.....
20.....	1015.1	43	28	E	6	S	48	.....	.02
21.....	1008.0	53	41	SW	24	E	18	.....	.....
22.....	1010.1	60	42	SW	18	N	5	.....	.....
23.....	1019.3	48	41	E	12	SE	16	.....	.....
24.....	1014.9	50	41	S	14	S	15	.....	.....
25.....	1014.6	52	42	W	12	SW	20	.....	.....
26.....	1013.3	52	42	W	12	N	14	.....	.....
27.....	1023.8	43	34	E	7	S	15	.....	.....
28.....	1004.5	44	41	S	26	S	19	.....	.....
29.....	1005.2	47	41	NW	12	N	16	.....	.03
30.....	1010.8	32	27	N	28	NNE	25	Trace	.....
Oct.									
1.....	1014.0	33	28	N	20	WNW	11	.....	Trace
2.....	1014.2	34	25	NW	15	NW	12	Trace	Trace
3.....	1005.3	44	27	S	19	NW	18	.....	.....
4.....	1008.8	41	34	NW	12	N	12	.....	.....
5.....	1014.9	40	31	E	15	E	24	Trace	Trace
6.....	1018.0	38	31	E	28	SE	12	Trace	.14
7.....	1006.2	46	33	SE	27	S	12	.03	Trace
8.....	1002.6	42	35	NW	8	E	12	Trace	.07
9.....	1010.8	36	34	ENE	18	NE	13	Trace	.....
10.....	1015.0	38	30	E	12	SW	16	.....	Trace
11.....	1003.3	45	34	W	18	NW	7	Trace	.02
12.....	1004.8	49	35	NW	16	W	8	.....	.....
13.....	992.9	43	28	W	23	N	40	.....	.....
14.....	1002.0	29	13	NW	38	N	24	Trace	Trace
15.....	1002.2	17	11	NNW	27	NW	28	Trace	.....
16.....	1002.0	26	11	NW	20	N	28	Trace	Trace
17.....	1001.4	12	6	N	30	N	32	Trace	.....
18.....	1004.4	19	8	N	23	N	18	.....	.....
19.....	1015.9	17	10	N	20	NNW	11	.....	.....
20.....	1014.0	35	1	NW	6	SW	22	.....	.....
21.....	990.3	36	24	SSW	24	W	24	.06	Trace
22.....	993.0	22	9	N	31	NW	42	.02	.12
23.....	1011.2	11	3	NW	24	NW	20	.....	Trace
24.....	1008.6	34	3	NNW	11	SSW	30	.....	Trace
25.....	994.7	31	18	SW	15	NW	44	.....	.....
26.....	1014.0	26	1	NW	15	N	11	.....	.....
27.....	1013.2	32	10	SE	13	SE	12	.....	.....
28.....	1000.0	40	25	S	20	W	17	Trace	Trace
29.....	1005.3	34	20	NW	24	NW	26	.....	.....
30.....	1013.4	35	14	SSW	6	SW	20	.....	.....
31.....	1009.6	38	30	SW	18	S	26	.....	.....

## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
Sept.					
1	Overcast.....	Overcast.....	1	9	No ice in sight.
2	Overcast.....	Overcast.....	9	9	
3	Overcast.....	Overcast.....	20	20	
4	Overcast.....	Overcast.....	9	20	
5	Light fog.....	Overcast.....	1	9	
6	Partly cloudy..	Partly cloudy..	9	20	
7	Partly cloudy..	Overcast.....	20	20	
8	Overcast.....	Cloudless.....	20	20	
9	Partly cloudy..	Overcast.....	20	20	
10	Overcast.....	Overcast.....	9	20	
11	Overcast.....	Cloudy.....	9	20	
12	Drizzle.....	Partly cloudy..	4	20	
13	Cloudy.....	Overcast.....	20	20	
14	Cloudless.....	Partly cloudy..	20	20	
15	Partly cloudy..	Partly cloudy..	20	20	
16	Overcast.....	Rain and fog...	9	2	
17	Rain and fog...	Drizzle and fog.	4	4	
18	Fog.....	Drizzle and fog.	$\frac{1}{2}$	1	
19	Int. light drizzle	Partly cloudy..	9	20	
20	Cloudless.....	Overcast.....	20	9	
21	Overcast.....	Overcast.....	20	9	
22	Haze.....	Partly cloudy..	4	20	
23	Cloudy.....	Distant fog.....	9	9	
24	Distant fog.....	Cloudy.....	9	20	
25	Overcast.....	Overcast.....	20	20	
26	Partly cloudy..	Cloudless.....	20	20	
27	Partly cloudy..	Cloudy.....	20	20	
28	Overcast.....	Fog.....	9	0	
29	Fog.....	Overcast.....	0	9	
30	Overcast.....	Overcast.....	9	9	
Oct.					
1	Overcast.....	Overcast.....	9	20	No ice in sight.
2	Overcast.....	Overcast.....	9	9	
3	Overcast.....	Overcast.....	20	4	Thin ice on lakes.
4	Overcast.....	Cloudy.....	20	20	
5	Rain and snow..	Overcast.....	4	9	No ice. Weather mild.
6	Overcast.....	Cont. heavy rain	9	4	
7	Drizzle and fog.	Rain and fog....	1	4	
8	Drizzle and fog.	Overcast.....	2	9	
9	Overcast.....	Overcast.....	9	20	
10	Overcast.....	Drizzle and fog.	9	4	
11	Overcast.....	Overcast.....	20	20	
12	Partly cloudy..	Overcast.....	9	20	
13	Partly cloudy..	Overcast.....	20	20	
14	Overcast.....	Int. snow.....	20	9	
15	Cont. light snow	Overcast.....	4	20	
16	Cont. light snow	Overcast.....	9	4	
17	Overcast.....	Cloudy.....	20	20	
18	Cloudy.....	Partly cloudy..	20	20	
19	Partly cloudy..	Partly cloudy..	20	20	
20	Overcast.....	Overcast.....	20	20	
21	Overcast.....	Overcast.....	9	9	
22	Int. light snow..	Drifting snow...	4	0	
23	Overcast.....	Partly cloudy..	20	9	
24	Light fog.....	Snow.....	2	0	
25	Overcast.....	Drifting snow...	20	1	
26	Cloudless.....	Partly cloudy..	20	20	
27	Overcast.....	Overcast.....	20	20	
28	Overcast.....	Partly cloudy..	9	20	
29	Overcast.....	Partly cloudy..	20	20	
30	Cloudy.....	Partly cloudy..	20	20	
31	Cloudy.....	Light fog.....	20	1	

CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Baro- meter	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948 Nov.									
1.....	996.4	34	25	S	27	NW	21	Trace	.07
2.....	996.9	32	20	W	21	W	15	Trace	Trace
3.....	1000.9		27	W	2	W	10		
4.....	1012.6		28			SW	10	*	*
5.....	1012.6	31	19	W	15	WSW	10		
6.....	1005.0	31	27	SE	21	NW	15		
7.....	994.0	32	27	NE	15	NE	27	.01	.97
8.....	986.0	32	26	E	21	ENE	15	.30	.60
9.....	992.0	32	30	E	15	NE	10	.40	.22
10.....	999.8	32	28	NE	21	NE	27		.10
11.....	999.8	28	23	NE	27	NE	15	Trace*	
12.....	1000.9	5	0	N	21	N	21		
13.....	1003.5	5	-5			NW	15	*	
14.....	1005.7	-5	-13	NNW	15	N	10		
15.....	1006.0	10	-6	N	5	N	5		Trace
16.....	1006.4	12	0	NW	5	NW	10	Trace	Trace
17.....	1014.2	6	-9			N	10	*	
18.....	1020.9	0	-10	N	15	NW	15		
19.....	1020.6		-8	Calm	0	S	15	Trace	.30
20.....	1018.9	15	3	N	5	N	10		
21.....	1019.8	27	-10	N	10	SSE	21		.02
22.....	1003.9	29	2	SE	10	N	5	.03	
23.....	996.9	26	2			E	5	.02*	.04
24.....	1001.6		14	NE	21	NNW	15	*	
25.....	1009.8	1	-16	NW	15				Trace*
26.....	1018.4	10	-19	E	15	E	21	.02	.43
27.....	1020.7	10	0	E	21	NE	21	.01	.01
28.....	1023.0	-2	-11	NE	15	NE	15		
29.....	1025.2	1	-17	NE	15	NE	10		
30.....	1025.2	10	4	SE	15	SE	15		*

\*Incomplete.



CHESTERFIELD INLET METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1948			Miles	Miles	
Nov.					
1	Snow.....	Cont. light snow	20	1	Ice forming on inland lakes.
2	Cloudy.....	Drifting snow...	9	0	Ice forming on harbour edge.
3	Drifting snow...	Cloudless.....	4	20	
4	.....	Cloudless.....	.....	20	
5	Partly cloudy..	Overcast.....	20	20	
6	Overcast.....	Overcast.....	9	9	
7	Overcast.....	Cont. light snow	20	1	
8	Int. light snow..	Cont. light snow	1	2	
9	Drizzle and fog.	Cont. light snow	1	2	
10	Cloudy.....	Int. light snow..	20	9	Six inches of ice on lakes.
11	Int. light snow..	Overcast.....	9	20	Ice forming in harbour.
12	Cont. light snow	Distant fog.....	1	20	Ice along shore will support man.
13	.....	Distant fog.....	.....	9	
14	Distant fog.....	Distant fog.....	4	2	Harbour frozen solid.
15	Partly cloudy..	Cont. light snow	9	9	Floe edge at harbour mouth.
16	Overcast.....	Partly cloudy..	20	9	
17	.....	Distant fog.....	.....	20	
18	Partly cloudy..	Overcast.....	20	20	
19	Overcast.....	Overcast.....	20	9	
20	Cont. light snow	Haze.....	9	20	Ice extends to Fairway Island.
21	Cloudless.....	Cont. light snow	20	9	
22	Drifting snow...	Overcast.....	0	20	
23	.....	Cont. light snow	.....	0	
24	Cloudy.....	Cloudless.....	9	20	
25	Overcast.....	.....	20	.....	Ice to horizon.
26	Cont. light snow	Drifting snow...	9	4	
27	Partly cloudy..	Cont. light snow	9	9	
28	Overcast.....	Partly cloudy..	4	20	
29	Cloudless.....	Distant fog.....	20	4	
30	Overcast.....	Overcast.....	9	9	

## CORAL HARBOUR METEOROLOGICAL REPORT, 1948

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1	1019.2	62	42	E	10	NE	12		
2	1022.6	68	42	Calm		Calm			
3	1024.8	58	44	Calm		NE	9		
4	1025.3	56	41	E	8	S	10		
5	1024.4	55	39	S	15	SE	9		
6	1018.2	48	40	S	12	SE	22	Trace	
7	1012.3	48	35	Calm		S	4	Trace	
8	999.8	50	37	E	14	NW	32	.81	.34
9	1000.3	58	42	NW	24	NW	14		
10	1007.6	50	42	Calm		E	6		
11	1013.6	57	42	NE	12	SW	5		
12	1013.6	60	41	Calm		NW	8		.12
13	1014.8	58	41	N	12	N	4		
14	1011.8	57	40	NW	18	N	15		
15	1010.2	56	47	NW	18	N	15		Trace
16	1014.7	48	40	Calm		S	4	Trace	
17	1018.4	61	39	E	12	Calm			
18	1016.4	61	42	SE	17	NE	22		
19	1012.6	64	41	NE	18	ENE	14		
20	1014.8	65	45	Calm		SW	5		
21	1018.6	64	45	Calm		S	10		
22	1019.6	66	44	NW	10	SW	8		
23	1018.7	68	42	W	10	SW	15		
24	1018.5	70	44	W	2	WSW	18		
25	1010.8	71	43	Calm		SW	11		
26	1009.2	68	47	N	4	SW	20		
27	1008.0	66	50	Calm		E	5		
28	1010.3	60	39	NW	8	SE	8		
29	1012.7	59	38	W	2	SE	5		
30	1010.8	61	38	E	12	E	19		
31	1010.6	67	46	E	16	E	13		
Aug.									
1	1014.4	71	47	NNW	12	S	5		
2	1017.4	62	48	N	9	N	34		
3	1021.2	65	41	NW	8	N	24		
4	1021.0	65	43	N	9	NE	16		
5	1022.2	69	41	NW	4	N	13		
6	1020.4	70	45	NW	12	S	12		
7	1014.5	79	49	Calm		W	22		
8	1012.8	67	51	NW	12	SE	8		
9	1009.4	67	42	Calm		W	3		.31
10	1012.4	59	44	N	13	NW	12		
11	1013.8	62	34	NW	28	N	11		
12	1009.0	54	42	Calm		NW	16	.02	
13	1006.5	57	48	NW	20	NW	21		
14	1011.4	57	42	NW	13	NW	8		Trace
15	1012.4	50	36	NW	21	NW	15		
16	1010.0	53	36	NW	6	SE	6		
17	1006.2	49	38	E	15	E	18	.15	
18	1003.3	50	44	NNE	19	N	24		
19	1016.1	50	36	N	20	N	32		
20	1019.4	54	31	N	3	NE	20		
21	1009.9	49	42	NE	20	E	24		.64
22	999.4	53	43	SE	9	S	18		.05
23	995.2	50	43	SSW	18	SW	24	.01	Trace
24	996.5	50	40	W	18	SE	15		.65
25	975.0	49	42	SE	20	S	19	.61	.01
26	993.6	49	40	SW	30	SW	14		.05
27	1006.0	48	40	NW	24	NW	14	Trace	
28	1017.6	50	31	Calm		W	6		
29	1017.5	49	37	Calm		W	6		Trace
30	1020.6	50	34	W	7	W	6		Trace
31	1021.0	45	33	S	12	S	12	.02	

## CORAL HARBOUR METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Partly cloudy..	Partly cloudy..	20	20	
2	Cloudless.....	Cloudless.....	20	9	
3	Cloudless.....	Cloudless.....	20	20	
4	Partly cloudy..	Cloudy.....	20	20	
5	Overcast.....	Overcast.....	20	20	
6	Light rain showers.	Overcast.....	9	20	
7	Drizzle and fog	Light int. rain..	1	4	
8	Drizzle and fog	Overcast.....	$\frac{1}{8}$	9	
9	Overcast.....	Overcast.....	20	20	
10	Distant fog.....	Light cont. drizzle.	9	1	
11	Overcast.....	Partly cloudy..	20	20	
12	Cloudy.....	Light cont. drizzle.	20	2	
13	Cloudy.....	Partly cloudy..	9	20	
14	Overcast.....	Overcast.....	9	20	
15	Overcast.....	Overcast.....	20	9	
16	Overcast.....	Partly cloudy..	20	9	
17	Overcast.....	Overcast.....	9	20	
18	Cloudy.....	Overcast.....	20	20	
19	Partly cloudy..	Partly cloudy..	20	20	
20	Overcast.....	Overcast.....	20	20	
21	Overcast.....	Cloudless.....	20	20	
22	Cloudless.....	Cloudless.....	20	20	
23	Cloudless.....	Cloudless.....	20	20	
24	Cloudless.....	Cloudless.....	20	20	
25	Cloudless.....	Cloudy.....	20	20	
26	Cloudy.....	Partly cloudy..	20	20	
27	Cloudy.....	Cloudy.....	20	20	
28	Cloudless.....	Cloudless.....	20	20	
29	Cloudless.....	Cloudless.....	20	20	
30	Cloudless.....	Overcast.....	20	20	
31	Partly cloudy..	Partly cloudy..	20	20	
Aug.					
1	Cloudy.....	Cloudy.....	20	20	
2	Cloudy.....	Cloudy.....	20	20	
3	Overcast.....	Overcast.....	20	20	
4	Overcast.....	Cloudless.....	20	20	
5	Overcast.....	Overcast.....	20	20	
6	Partly cloudy..	Partly cloudy..	20	20	
7	Overcast.....	Overcast.....	20	20	
8	Overcast.....	Partly cloudy..	20	20	
9	Distant fog.....	Int. rain.....	4	9	
10	Partly cloudy..	Cloudless.....	20	20	
11	Cloudless.....	Partly cloudy..	20	20	
12	Cloudy.....	Overcast.....	9	4	
13	Overcast.....	Partly cloudy..	20	20	
14	Overcast.....	Overcast.....	20	20	
15	Cloudy.....	Overcast.....	20	20	
16	Partly cloudy..	Partly cloudy..	20	20	
17	Cloudy.....	Overcast.....	9	20	
18	Overcast.....	Partly cloudy..	20	20	
19	Partly cloudy..	Partly cloudy..	20	20	
20	Partly cloudy..	Overcast.....	20	20	
21	Overcast.....	Cont. light rain.	20	4	
22	Fog.....	Light fog.....	$\frac{1}{4}$	$\frac{1}{2}$	
23	Int. light rain..	Overcast.....	9	20	
24	Overcast.....	Cont. light rain.	20	4	
25	Cont. light drizzle.	Cont. light rain.	$\frac{1}{4}$	4	
26	Light fog.....	Overcast.....	1	20	
27	Overcast.....	Cloudless.....	20	20	
28	Overcast.....	Overcast.....	20	20	
29	Overcast.....	Rain showers...	20	20	
30	Overcast.....	Overcast.....	20	20	
31	Int. light drizzle	Cloudy.....	9	20	

## CORAL HARBOUR METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Baro- meter	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Sept.									
1.....	1008.4	48	42	SE	19	SE	30		.35
2.....	995.8	46	43	S	23	SE	23	Trace	.11
3.....	996.4	51	41	Calm		N	18	.03	
4.....	1006.8	51	38	NW	11	Calm			Trace
5.....	1010.0	50	37	N	12	N	18		
6.....	1016.9	50	39	N	14	Calm			
7.....	1021.0	52	36	NW	9	NE	15		
8.....	1020.8	48	34	N	6	NE	9		
9.....	1020.2	41	30	Calm		Calm			
10.....	1015.8	40	35	E	6	E	9		Trace
11.....	1012.8	42	31	NE	6	Calm		Trace	
12.....	1013.4	46	34	Calm		NE	6		
13.....	1014.2	47	32	NW	6	N	8		Trace
14.....	1016.5	46	31	NW	6	NW	8		
15.....	1018.2	51	30	W	7	SW	12		
16.....	1017.4	48	36	W	12	S	2	.14	
17.....	1002.2	42	39	E	18	E	15		
18.....	994.4	43	32	Calm		Calm			Trace
19.....	1001.4	43	32	Calm		N	30	.04	
20.....	1019.6	35	25	N	18	SE	7		
21.....	1019.2	45	27	S	9	SE	5		
22.....	1015.3	44	33	E	12	SW	12		
23.....	1023.3	50	33	NW	17	SE	10		
24.....	1026.0	40	30	Calm		SE	12		
25.....	1014.0	48	30	Calm		W	12	Trace	
26.....	1009.2	50	34	Calm		NW	24		
27.....	1024.6	39	29	NW	18	Calm			
28.....	1018.2	39	31	E	9	E	24	.04	
29.....	1010.4	42	35	E	3	SE	5	Trace	
30.....	1004.0	41	26	N	14	N	26	.14	.30
Oct.									
1.....	1008.4	28	23	NW	20	W	11	.04	
2.....	1011.6	28	21	W	6	W	7	Trace	
3.....	1009.6	36	13	SW	8	S	26		Trace
4.....	1004.6	37	30	W	14	NW	28		
5.....	1017.0	30	22	N	13	N	12		
6.....	1024.8	28	20	E	8	E	12		
7.....	1015.4	35	24	E	15	E	20	.08	Trace
8.....	1003.5	36	31	Calm		Calm		.22	
9.....	1010.9	41	32	Calm		N	2		
10.....	1016.4	34	27	Calm		Calm			Trace
11.....	1005.2	37	26	Calm		Calm		Trace	Trace
12.....	1002.8	39	32	W	10	W	21		
13.....	984.7	41	30	S	21	W	20	.23	Trace
14.....	991.6	19	13	NW	42	W	34	Trace	
15.....	995.0	18	12	W	27	W	24	Trace	.02
16.....	997.8	26	10	NW	9	N	17	.03	Trace
17.....	989.4	23	15	NW	24	NW	36	Trace	
18.....	994.8	25	19	NW	32	NW	27		
19.....	1010.3	20	9	NW	12	NW	7		
20.....	1016.8	32	8	NW	12	N	2		
21.....	995.6	34	9	S	24	S	32	.05	.07
22.....	998.4	27	16	SW	8	WNW	18		.04
23.....	1000.8	16	9	W	30	W	24	.03	.04
24.....	1011.1	30	6	W	15	NW	2	.01	.04
25.....	994.4	32	9	SE	22	SW	16	.09	
26.....	1003.9	29	3	NW	43	NW	22	.05	
27.....	1015.8	12	-5	NNW	12	NNW	15		
28.....	1004.2	32	-1	NE	12	S	9	Trace	.10
29.....	997.6	25	20	W	20	WNW	26	.03	.01
30.....	1016.4	32	7	NW	12	Calm			
31.....	1017.6	33	18	SW	6	SW	21		Trace

## CORAL HARBOUR METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions	
	a.m.	p.m.	a.m.	p.m.		
1948			Miles	Miles		
Sept.						
1	Overcast.....	Cont. light rain.	9	2		
2	Light fog.....	Light fog.....	2	9		
3	Int. light rain...	Cloudy.....	9	20		
4	Overcast.....	Cont. light drizzle.	20	1		
5	Overcast.....	Overcast.....	20	20		
6	Overcast.....	Overcast.....	20	20		
7	Fog.....	Cloudless.....	$\frac{1}{8}$	20		
8	Overcast.....	Overcast.....	20	20		
9	Overcast.....	Overcast.....	20	20		
10	Overcast.....	Int. light drizzle	20	9		
11	Overcast.....	Overcast.....	4	20		
12	Overcast.....	Overcast.....	20	20		
13	Overcast.....	Int. rain.....	20	20		
14	Overcast.....	Partly cloudy..	20	20		
15	Cloudy.....	Partly cloudy..	20	20		
16	Overcast.....	Overcast.....	4	20		
17	Cont. light rain.	Overcast.....	4	20		
18	Cloudy.....	Overcast.....	20	20		
19	Fog.....	Partly cloudy..	$\frac{1}{2}$	20		
20	Partly cloudy..	Partly cloudy..	20	20		
21	Cloudy.....	Overcast.....	9	20		
22	Cloudy.....	Overcast.....	20	9		
23	Cloudy.....	Overcast.....	20	20		
24	Fog.....	Fog.....	$\frac{1}{4}$	2		
25	Fog.....	Partly cloudy..	$\frac{1}{8}$	20		
26	Cloudy.....	Partly cloudy..	20	20		
27	Cloudy.....	Cloudy.....	20	20		
28	Overcast.....	Overcast.....	20	9		
29	Fog.....	Fog.....	$\frac{1}{4}$	0		
30	Cont. light rain.	Cont. heavy snow.	9	$\frac{1}{8}$		
Oct.						
1	Cloudy.....	Overcast.....	9	20		
2	Overcast.....	Overcast.....	20	20		
3	Overcast.....	Cont. light snow	20	9		
4	Overcast.....	Cloudy.....	20	20		
5	Overcast.....	Cloudless.....	20	20		
6	Cloudy.....	Overcast.....	20	20		
7	Cont. light snow	Cont. light drizzle.	4	4		
8	Fog.....	Fog.....	0	4		
9	Overcast.....	Partly cloudy..	2	20		
10	Partly cloudy..	Cloudy.....	20	20		
11	Fog.....	Fog.....	1	$\frac{1}{8}$		
12	Overcast.....	Cloudy.....	20	20		
13	Rain and fog...	Cloudy.....	4	20		
14	Partly cloudy..	Overcast.....	20	20		
15	Partly cloudy..	Snow showers..	9	20		
16	Cloudy.....	Overcast.....	9	20		
17	Cont. light snow	Overcast.....	4	20		
18	Overcast.....	Partly cloudy..	20	20		
19	Overcast.....	Partly cloudy..	20	20		
20	Cloudless.....	Cloudy.....	20	20		
21	Overcast.....	Cont. light snow	2	2		
22	Overcast.....	Cloudless.....	20	20		
23	Overcast.....	Cloudy.....	20	4		
24	Cloudless.....	Overcast.....	20	20		
25	Cont. light snow	Overcast.....	1	9		
26	Drifting snow...	Cloudless.....	$\frac{1}{2}$	20		
27	Partly cloudy..	Cloudless.....	20	20		
28	Overcast.....	Cont. light snow	20	2		
29	Cloudy.....	Overcast.....	9	20		
30	Cloudless.....	Fog.....	20	$\frac{1}{8}$		
31	Overcast.....	Overcast.....	20	9		

CORAL HARBOUR METEOROLOGICAL REPORT, 1948—*Cont.*

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1948 Nov.		°F.	°F.					Inches	Inches
1.....	1005.9	32	27	SE	18	SSE	30	.07	.06
2.....	999.6	30	23	NW	28	SW	15	.01	.01
3.....	1002.8	17	11	WSW	22	W	15	.02	.03
4.....	1014.8	27	-2	Calm		Calm			Trace
5.....	1017.2	28	9	SW	5	Calm		Trace	
6.....	1012.7	30	20	E	8	ENE	24		
7.....	989.8	31	22	NE	44	ENE	42	Trace	.02
8.....	988.2	32	28	ENE	33	ENE	30	Trace	
9.....	996.7	32	25	ENE	36	E	16		Trace
10.....	1001.2	29	22	ENE	24	NE	25		.03
11.....	992.4	27	20	NE	36	NW	30	Trace	
12.....	992.4	22	3	NW	22	NW	15		Trace
13.....	996.2	14	-10	NW	8	NW	25	Trace	Trace
14.....	1001.4	12	-3	NW	24	NW	15		
15.....	1005.0	-5	-12	N	21	NW	15		
16.....	1006.3	10	-14	NW	15	Calm			Trace
17.....	1007.2	15	-3	N	8	N	23		
18.....	1018.2	11	-2	N	35	NW	18		
19.....	1025.8	25	-9	NW	18	E	16	Trace	.02
20.....	1018.6	26	8	S	20	NW	13	.09	.01
21.....	1023.1	18	-14	NW	8	NW	10		Trace
22.....	1009.6	24	-12	E	30	E	18	.07	.06
23.....	1001.4	19	3	NE	9	NE	18		Trace
24.....	1006.8	18	5	N	26	NNW	36		
25.....	1007.2	10	-8	N	23	NW	30		
26.....	1018.8	-3	-20	N	24	Calm			
27.....	1021.8	-3	-18	NW	8	N	15		
28.....	1021.7	-2	-12	N	18	N	18	.03	.02
29.....	1025.8	-3	-17	NNE	26	N	24		
30.....	1028.3	4	-26	N	18	NE	16		

CORAL HARBOUR METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions	
	a.m.	p.m.	a.m.	p.m.		
1948			Miles	Miles		
Nov.						
1	Cont. light snow	Cont. light snow	1	1		
2	Overcast.....	Int. light snow..	9	4		
3	Sleet.....	Int. light snow..	4	9		
4	Cloudless.....	Overcast.....	20	20		
5	Sleet.....	Light fog.....	20	4		
6	Overcast.....	Cloudless.....	9	20		
7	Drifting snow...	Drifting snow...	1/4	1/4		
8	Overcast.....	Cont. light snow	4	4		
9	Cont. light snow	Overcast.....	4	20		
10	Overcast.....	Cont. light snow	20	4		
11	Drifting snow...	Overcast.....	4	9		
12	Overcast.....	Cloudless.....	20	20		
13	Overcast.....	Partly cloudy..	20	20		
14	Partly cloudy..	Cloudless.....	20	20		
15	Cloudless.....	Partly cloudy..	20	20		
16	Partly cloudy..	Cloudy.....	20	20		
17	Overcast.....	Partly cloudy..	20	20		
18	Drifting snow...	Partly cloudy..	2	20		
19	Cloudy.....	Cont. light snow	20	20		
20	Cont. light snow	Overcast.....	2	20		
21	Cloudless.....	Int. light snow..	20	20		
22	Cont. light snow	Overcast.....	1/2	20		
23	Partly cloudy..	Overcast.....	20	20		
24	Partly cloudy..	Drifting snow...	20	2		
25	Overcast.....	Cloudless.....	20	20		
26	Cloudless.....	Overcast.....	20	20		
27	Partly cloudy..	Cloudless.....	20	20		
28	Cont. light snow	Overcast.....	9	20		
29	Partly cloudy..	Overcast.....	20	20		
30	Overcast.....	Partly cloudy..	20	20		

## PORT HARRISON METEOROLOGICAL REPORT, 1948

Date	Mean Baro- meter	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
July									
1.....	1006.6	48	42	ENE	13	NE	18	.10	.19
2.....	1015.4	56	40	NE	24	NE	14	.02	
3.....	1022.6	65	38	N	6	Calm			
4.....	1026.6	64	45	S	9	N	11		
5.....	1024.1	73	45	ESE	13	E	12		
6.....	1022.7	72	49	SE	3	W	7		
7.....	1018.7	66	47	Calm		SW	9		.12
8.....	1007.4	59	48	S	22	WSW	18		
9.....	1006.1	57	42	N	6	W	4		
10.....	1006.1	60	45	NE	6	N	13	.10	Trace
11.....	1009.6	52	45	W	9	SE	6		.13
12.....	1011.2	58	46	S	6	N	20	.05	.02
13.....	1014.0	52	44	NW	18	NW	8	Trace	Trace
14.....	1014.2	54	42	N	12	NW	14		
15.....	1016.1	52	42	NW	14	WNW	16		
16.....	1017.2	61	43	NW	6	NW	3		
17.....	1009.8	68	46	E	19	E	15		
18.....	1001.9	68	52	E	30	S	7	Trace	.41
19.....	1006.6	58	42	W	16	NE	3	Trace	
20.....	1006.2	74	42	NE	12	NNE	16		
21.....	1010.4	69	50	N	7	N	15		
22.....	1014.6	67	53	E	12	ENE	16		Trace
23.....	1016.1	72	50	E	21	E	15		
24.....	1010.6	79	52	ENE	6	NE	12		
25.....	1006.0	79	54	E	15	W	7		
26.....	1006.4	78	57	E	12	E	12		
27.....	1004.0	80	54	NE	14	N	18		
28.....	1002.0	78	57	NE	5	N	21	Trace	Trace
29.....	1005.6	68	52	N	28	N	18		
30.....	1003.8	73	48	Calm		E	16		
31.....	999.8	73	55	E	26	E	22		
Aug.									
1.....	1004.6	64	48	ENE	35	ENE	27	Trace	
2.....	1012.6	72	48	NE	21	N	21		
3.....	1015.4	62	50	N	21	N	21		
4.....	1017.2	56	45	N	21	N	15		
5.....	1019.2	64	38	NNE	10	NE	15		
6.....	1021.4	67	50	N	5	N	15		*
7.....	1016.5	69	44			N	15		*
8.....	1016.5	61	45	NW	2			.06	*
9.....	1014.8	62	49	N	10	W	10		*
10.....	1013.3	62	47	SW	15	W	15	.02	.01
11.....	1014.6	64	45	NE	15	N	15		
12.....	1017.5	65	59	NE	15				*
13.....	1013.5	58	42	S	5	W	15		*
14.....	1012.5	60	47	NW	10			.02	*
15.....	1014.6	54	43	W	5	NW	15		*
16.....	1016.8	56	40	W	5				*
17.....	1010.1	56	47	S	21	S	15		
18.....	1001.0	42	46	S	15	SW	15	.02	.02
19.....	1007.6	49	47	NNW	27	N	21	.02	.01
20.....		48						*	.07*
21.....	1011.3	63	44	SE	21			.02	
22.....	1009.6	56	47	S	10	SW	10		
23.....	968.8	59	45	SW	10			.80*	*
24.....	1002.8	61				S	10		*
25.....	999.0	54				W	21		*
26.....	1008.8	53	45	W	15	S	15		.14
27.....	1012.4	52	45	W	35	NW	21	Trace	
28.....	1011.7	51	43	W	10	N	10		
29.....	1016.4	55	38	N	10	N	15		.09
30.....	1020.0	54	40	N	10	N	15	.11	*
31.....	1025.1	56	40			S	5	Trace*	

\*Incomplete.



## PORT HARRISON METEOROLOGICAL REPORT, 1948

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
			Miles	Miles	
1948					
July					
1	Cont. light rain.	Cont. light rain.	5	5	No ice in sight.
2	Int. light rain...	Cloudy.....	5	12	
3	Cloudless.....	Cloudy.....	12	12	
4	Cloudless.....	Cloudless.....	12	12	
5	Cloudless.....	Cloudless.....	12	12	
6	Partly cloudy..	Cloudy.....	12	12	
7	Cloudy.....	Cont. light rain.	12	5	
8	Partly cloudy..	Cloudy.....	12	8	
9	Overcast.....	Overcast.....	12	12	
10	Int. light rain...	Overcast.....	6	12	
11	Light fog.....	Drizzle and fog	4	2	
12	Drizzle and fog.	Cloudy.....	1	12	
13	Mod. drizzle....	Overcast.....	9	8	
14	Cloudy.....	Cloudy.....	10	12	
15	Overcast.....	Cloudy.....	8	12	
16	Cloudy.....	Partly cloudy..	10	12	
17	Overcast.....	Overcast.....	12	12	
18	Overcast.....	Int. light rain...	10	5	
19	Drizzle and fog.	Cloudy.....	$\frac{1}{2}$	12	
20	Partly cloudy..	Partly cloudy..	12	12	
21	Cloudy.....	Cloudy.....	12	12	
22	Cloudy.....	Partly cloudy..	12	12	
23	Partly cloudy..	Partly cloudy..	12	12	
24	Partly cloudy..	Cloudy.....	12	12	
25	Partly cloudy..	Cloudy.....	12	12	
26	Cloudless.....	Cloudy.....	12	12	
27	Cloudless.....	Cloudy.....	12	12	
28	Cloudy.....	Cloudy.....	12	12	
29	Partly cloudy..	Cloudless.....	12	12	
30	Cloudy.....	Partly cloudy..	12	12	
31	Partly cloudy..	Cloudy.....	12	12	
Aug.					
1	Light drizzle...	Cloudy.....	9	20	No ice in sight.
2	Partly cloudy..	Cloudy.....	20	20	
3	Overcast.....	Cloudy.....	20	20	
4	Cloudy.....	Cloudy.....	20	20	
5	Partly cloudy..	Overcast.....	20	20	
6	Cloudy.....	Cloudy.....	20	20	
7	.....	Partly cloudy..	.....	20	
8	Fog.....	.....	$\frac{1}{8}$	.....	
9	Overcast.....	Cloudless.....	9	20	
10	Fog.....	Cloudy.....	$\frac{1}{2}$	20	
11	Partly cloudy..	Cloudless.....	20	20	
12	Partly cloudy..	.....	20	.....	
13	Cloudy.....	Overcast.....	20	20	
14	Overcast.....	.....	20	.....	
15	Overcast.....	Cloudy.....	20	20	
16	Partly cloudy..	.....	20	.....	
17	Overcast.....	Cloudy.....	20	20	
18	Overcast.....	Drizzle and fog.	20	$\frac{1}{2}$	
19	Drizzle and rain	Cloudy.....	2	9	
20	.....	.....	.....	.....	
21	Overcast.....	.....	20	.....	
22	Overcast.....	Overcast.....	9	20	
23	Overcast.....	.....	9	.....	
24	.....	Cloudy.....	.....	20	
25	.....	Cloudy.....	.....	9	
26	Cloudless.....	Overcast.....	20	9	
27	Overcast.....	Overcast.....	9	9	
28	Overcast.....	Cloudy.....	9	20	
29	Overcast.....	Overcast.....	20	20	
30	Light drizzle...	Partly cloudy..	9	20	
31	.....	Cloudless.....	.....	20	

## PORT HARRISON METEOROLOGICAL REPORT, 1948—Cont.

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
1948 Sept.		°F.	°F.					Inches	Inches
1.....	1019.0	50	44	S	21	S	15	.....	.....
2.....	1011.7	49	46	S	15	S	10	.02	.....
3.....	1006.9	50	45	NW	10	S	15	.....	.03
4.....	1009.7	51	43	W	15	.....	.....	.01	.02*
5.....	1002.2	51	43	S	10	W	10	Trace	.....
6.....	1013.2	51	43	NW	10	N	10	Trace	.....
7.....	1023.6	56	39	NE	10	NE	15	.....	.....
8.....	1009.0	49	43	NE	35	NE	27	.....	.01
9.....	1009.8	46	41	NE	21	NE	15	Trace	.01
10.....	1010.9	49	40	NE	15	N	10	.....	Trace
11.....	1006.6	54	34	Calm	0	N	5	.....	.....
12.....	1008.0	51	33	Calm	0	N	5	.....	*
13.....	1013.5	53	40	.....	.....	N	15	.04*	.12
14.....	1019.4	48	38	N	5	N	15	.01	Trace
15.....	1024.1	48	38	N	10	.....	.....	.05	*
16.....	1026.5	48	37	SW	10	S	21	.....	Trace
17.....	997.2	46	43	SE	27	SW	2	.21	.07
18.....	996.4	47	37	NW	10	SW	10	Trace	.03
19.....	993.6	53	43	SW	10	S	21	.....	.....
20.....	1001.3	47	41	N	42	N	21	.03	.02
21.....	1018.7	56	40	N	10	NE	5	.....	.....
22.....	1022.0	59	45	NE	2	N	15	.....	.....
23.....	1024.6	59	37	NE	5	N	10	.....	*
24.....	1028.0	54	34	Calm	0	NW	5	.....	.....
25.....	1023.5	52	39	S	10	SW	15	.....	.21
26.....	1020.4	50	41	W	10	W	15	.....	.....
27.....	1024.7	49	40	N	10	N	10	.....	.....
28.....	1023.0	52	28	E	10	SE	15	.....	.....
29.....	1005.3	50	42	S	27	NW	10	.28	.02
30.....	1003.8	48	41	.....	.....	S	21	*	Trace
Oct.									
1.....	1013.4	41	34	NW	15	N	2	.04	.01
2.....	1018.6	43	29	NW	2	W	10	.03	.04
3.....	1018.0	45	35	N	5	S	15	.03	.01
4.....	1010.7	49	40	W	10	SW	15	.....	.....
5.....	1013.2	47	40	E	5	SW	15	.....	.....
6.....	1018.1	49	40	S	5	S	15	.....	.....
7.....	1018.2	49	40	S	10	S	15	.....	.....
8.....	1012.2	54	41	S	10	S	10	.....	.....
9.....	1005.2	62	41	NE	10	E	15	.....	*
10.....	1005.0	59	39	NE	10	.....	.....	.....	*
11.....	1013.4	52	36	N	2	SW	10	.....	.....
12.....	1011.8	43	40	NE	21	SW	10	.....	.....
13.....	1002.7	44	40	SW	16	W	50	.....	.....
14.....	1000.0	44	31	NW	27	.....	.....	.01	Trace*
15.....	1000.8	39	30	NW	15	N	5	.05	.....
16.....	982.3	44	30	E	27	S	27	.62	.16
17.....	995.3	38	28	.....	.....	NW	21	.04*	.05
18.....	1002.0	33	24	NW	15	W	15	.02	Trace
19.....	1011.2	35	24	W	15	N	5	.05	.05
20.....	1018.0	30	20	N	15	N	15	.01	.....
21.....	1017.3	38	27	S	10	SW	21	.....	.....
22.....	1005.0	38	36	SW	21	.....	.....	.15	.01*
23.....	1015.1	35	29	W	21	WNW	15	Trace	Trace
24.....	1016.6	39	31	SW	15	SE	10	.....	.....
25.....	1003.6	43	37	S	27	W	5	.....	.....
26.....	1013.3	36	31	NW	35	NW	21	Trace	.....
27.....	1014.1	39	33	SW	21	S	10	.02	.06
28.....	1013.8	38	27	Calm	0	SW	21	.....	.02
29.....	1008.8	42	34	SW	27	NW	10	.01	.....
30.....	1020.1	36	30	N	15	N	10	Trace	Trace*
31.....	1026.1	33	28	N	2	ENE	10	Trace	.....

\*Incomplete.

## PORT HARRISON METEOROLOGICAL REPORT, 1948—Cont.

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1948			Miles	Miles	
Sept.					
1	Partly cloudy..	Partly cloudy..	20	20	No ice in sight.
2	Overcast.....	Fog.....	9	$\frac{1}{4}$	
3	Overcast.....	Overcast.....	4	9	
4	Light drizzle...	.....	4	.....	
5	Overcast.....	Fog.....	4	$\frac{1}{2}$	
6	Light drizzle...	Overcast.....	4	9	
7	Cloudless.....	Partly cloudy..	20	20	
8	Overcast.....	Overcast.....	20	9	
9	Overcast.....	Int. light rain..	20	9	
10	Cloudy.....	Cloudy.....	20	20	
11	Overcast.....	Cloudy.....	20	20	
12	Overcast.....	Cloudy.....	20	20	
13	.....	Rain showers...	.....	9	
14	Cloudy.....	Cloudy.....	20	20	
15	Cloudy.....	.....	20	.....	
16	Overcast.....	Overcast.....	20	20	
17	Drizzle and rain	Fog.....	4	$\frac{1}{4}$	
18	Light fog.....	Light drizzle...	4	4	
19	Fog.....	Light fog.....	$\frac{1}{2}$	4	
20	Drizzle and fog.	Int. light rain..	1	9	
21	Cloudy.....	Cloudless.....	9	20	
22	Fog.....	Fog.....	$\frac{1}{4}$	$\frac{1}{4}$	
23	Overcast.....	Cloudless.....	20	20	
24	Fog patches...	Partly cloudy..	20	20	
25	Cloudy.....	Int. light rain..	20	9	
26	Partly cloudy..	Partly cloudy..	9	20	
27	Partly cloudy..	Cloudless.....	9	20	
28	Cloudy.....	Overcast.....	20	20	
29	Light drizzle...	Fog.....	9	$\frac{1}{2}$	
30	.....	Drizzle and fog.	.....	$\frac{1}{2}$	
Oct.					
1	Overcast.....	Cloudy.....	9	20	No ice in sight.
2	Ugly sky.....	Rain showers...	20	20	
3	Overcast.....	Cloudy.....	9	20	
4	Drizzle.....	Cloudy.....	4	20	
5	Fog.....	Overcast.....	2	9	
6	Haze.....	Partly cloudy..	9	9	
7	Cloudless.....	Cloudless.....	2	20	
8	Cloudless.....	Cloudless.....	9	20	
9	Cloudy.....	Partly cloudy..	20	20	
10	Cloudy.....	.....	9	.....	
11	Cloudy.....	Partly cloudy..	20	9	
12	Fog.....	Light fog.....	$\frac{1}{8}$	4	
13	Overcast.....	Haze.....	9	4	
14	Mod. drizzle...	.....	4	.....	
15	Mod. rain.....	Cloudy.....	4	20	
16	Rain and snow..	Cont. light rain.	4	4	
17	.....	Snow showers...	.....	9	
18	Snow showers..	Int. light snow..	9	9	
19	Overcast.....	Partly cloudy..	9	20	
20	Int. light snow..	Overcast.....	9	9	
21	Overcast.....	Overcast.....	9	9	
22	Int. light rain..	.....	4	.....	
23	Int. light snow..	Int. light snow..	9	9	
24	Overcast.....	Overcast.....	9	9	
25	Partly cloudy..	Overcast.....	9	9	
26	Snow.....	Cloudy.....	9	9	
27	Cloudy.....	Cont. light rain.	9	4	
28	Light fog.....	Light fog.....	4	2	
29	Overcast.....	Overcast.....	4	9	
30	Snow pellets....	Cloudy.....	9	9	
31	Overcast.....	Partly cloudy..	9	9	

PORT HARRISON METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Mean Barometer	Temperature		Wind				Precipitation	
		Max.	Min.	8.00 a.m.		8.00 p.m.		a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.		
		°F.	°F.					Inches	Inches
1948									
Nov.									
1.....	1015.6	39	27	S	10	S	21	.....	.05
2.....	1016.0	41	35	SW	15	S	15	.....	.....
3.....	1018.6	37	32	W	15	SW	15	Trace	.....
4.....	978.1	36	29	.....	.....	NE	10	.....*	.....
5.....	1024.9	30	20	NE	5	ENE	10	.....	.....
6.....	1001.3	39	21	SE	35	SE	42	.....	.17
7.....	976.5	45	30	S	35	S	35	.09	.09
8.....	987.2	37	32	W	35	W	35	.17	.10
9.....	1005.0	35	28	W	27	S	27	.01	.02
10.....	991.0	34	26	S	21	S	21	.....	.06
11.....	990.0	35	27	W	27	W	27	.04	.02
12.....	995.2	33	20	NW	27	W	21	.02	.03
13.....	996.2	30	25	.....	.....	NW	15	.01*	Trace
14.....	999.2	26	18	N	10	NE	2	.01	.01
15.....	1006.4	28	18	N	10	Calm	0	Trace*	Trace
16.....	1009.8	32	19	W	5	S	15	.01	.01
17.....	991.8	29	22	.....	.....	E	10	Trace*	.03
18.....	999.8	32	28	NE	5	N	42	.02	.04
19.....	1029.3	26	15	NE	10	Calm	0	.02	.02
20.....	1030.0	28	20	S	10	ESE	15	.01	.....
21.....	1025.2	13	4	NE	.....	E	10	.....	.....
22.....	1010.2	30	5	SE	15	WSW	10	Trace	Trace
23.....	1002.5	30	25	SW	15	SSW	15	Trace	.01
24.....	993.0	31	27	SW	27	W	21	.02*	.02
25.....	1006.0	29	23	NNW	15	N	10	.02	Trace
26.....	1018.0	24	18	NE	2	NW	5	Trace	.....
27.....	1020.8	21	5	ENE	10	Calm	0	.....	.....
28.....	1023.4	28	1	SE	5	SW	15	.12	.03
29.....	1009.2	.....	.....	SW	42	.....	.....	.02	.....*
30.....	1019.0	15	10	SE	21	Calm	0	.....	.....*

\*Incomplete.

PORT HARRISON METEOROLOGICAL REPORT, 1948—*Conc.*

Date	Present Weather		Visibility		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1948			Miles	Miles	
Nov.					
1	Overcast.....	Cont. light rain.	9	4	Fresh water lakes frozen.
2	Cloudy.....	Cloudy.....	9	9	
3	Snow.....	Partly cloudy..	9	9	
4	.....	Cloudless.....	.....	20	
5	Fog.....	Cloudless.....	$\frac{1}{4}$	20	
6	Cloudy.....	Cont. light rain	20	4	
7	Light drizzle...	Light drizzle..	2	4	
8	Overcast.....	Cont. light snow	4	2	
9	Overcast.....	Snow showers..	4	4	
10	Overcast.....	Cont. light snow	4	1	
11	Int. light snow..	Int. light snow..	4	4	
12	Int. light snow..	Int. light snow..	4	4	
13	.....	Cloudy.....	.....	9	
14	Int. light snow..	Cloudy.....	4	9	
15	Cloudy.....	Int. light snow..	9	9	
16	Int. light snow..	Int. light rain...	9	9	
17	.....	Int. light snow..	.....	1	
18	Cont. light snow	Int. light snow..	4	1	
19	Int. light snow..	Int. light snow..	1	9	
20	Snow showers..	Cloudy.....	1	9	
21	Cloudy.....	Cloudless.....	9	20	
22	Overcast.....	Overcast.....	9	9	
23	Overcast.....	Overcast.....	9	4	
24	Int. light snow..	Int. light snow..	4	4	River frozen.
25	.....	Int. light snow..	4	4	
26	Overcast.....	Overcast.....	9	9	
27	Cloudy.....	Partly cloudy..	9	9	
28	Int. light snow..	Int. light snow..	4	9	
29	Snow showers..	.....	4	.....	
30	Overcast.....	Overcast.....	9	9	

### AIDS TO NAVIGATION IN HUDSON BAY AND STRAIT RADIO COAST AND DIRECTION FINDING STATIONS

Station	Call Sign	Calling Wave (See footnote)		Working Wave		Position		Hours of Service	Coast Charge (a)
		Kc/s.	Metres	Kc/s.	Metres	Latitude N.	Longitude W.		
Churchill.....	V A P	500	600	425	706	58° 46' 32"	94° 10' 31"	Continuous during season of navigation.	6c. per word
Chesterfield Inlet.....	V B Z	500	600	425	706	63° 20' 05"	90° 42' 33"	Continuous during season of navigation.	6c. per word
Nottingham Island.....	V C B	500	600	420	714	63° 06' 48"	77° 56' 18"	Continuous during season of navigation.	6c. per word
Cape Hopes Advance.....	V A Y	500	600	405	741	61° 05' 12"	69° 33' 24"	Continuous during season of navigation.	6c. per word
Resolution Island.....	V A W	500	600	405	741	61° 18' 30"	64° 53' 24"	Continuous during season of navigation.	6c. per word

All stations maintain watch on 500 Kc/s. (600 metres) and, with the exception of Resolution Island, take and transmit bearings on 375 Kc/s. (800 metres) after communication has been established on 500 Kc/s. (600 metres). Resolution Island takes bearings on 500 Kc/s. (600 metres) and transmits bearings on 375 Kc/s. (800 metres).

(a) All messages relative to navigation are handled free of charge. The six-cent per word coast charge applies to all other traffic. For forwarding charges beyond Churchill apply to any of above stations or see Canada Rate Sheet, International List of Coast and Ship Stations.

### RADIO METEOROLOGICAL REPORTING STATION

Station	Call Sign	Calling Wave		Working Wave		Position		Hours of Service	Coast Charge
		Kc/s.	Metres	Kc/s.	Metres	Latitude N.	Longitude W.		
Port Harrison.....	V A L	500	600	420	714	58° 27' 17"	78° 08' 29"	Keeps watch on 500 Kc/s. (600 metres) for fifteen minute periods commencing at every odd hour from 7.00 a.m. to 7.00 p.m. E.S.T. inclusive, during season of navigation.	6c. per word. See note (a) above.

## PATROL SHIP

Station	Call Sign	Calling Wave		Working Wave		Hours of Service	Remarks
		Kc/s.	Metres	Kc/s.	Metres		
C.G.S. N. B. <i>McLean</i> .....	C G S N	500	600	425	706	Continuous during season of navigation.	Normally this vessel patrols Hudson Strait during the season of navigation. Information in regard to her position may be obtained from any Radio Station in the Strait.

## LIGHTS

Location	Position		Character	Elevation	Remarks
	Latitude N.	Longitude W.			
†Goodwin Island, Button Islands group	60° 41' 31"	64° 40' 22"	Flashing.....	259 ft.	On wooden pole.
Resolution Island.....	61° 18' 28"	64° 53' 16"	Flashing.....	129 ft.	White square, wooden lantern on wooden skeleton base. One flash every ten seconds.
Cape Hopes Advance.....	61° 05' 14"	69° 33' 23"	Fixed.....	270 ft.	On wooden pole.
†Wales Island.....	61° 51' 37"	71° 58' 19"	Flashing.....	280 ft.	On wooden pole.
†Ashe Inlet.....	62° 31' 40"	70° 33' 27"	Flashing.....	191 ft.	On wooden pole.
†East end of Charles Island.....	62° 36' 28"	73° 56' 12"	Flashing.....	200 ft.	Steel tower.
†West end of Charles Island.....	62° 42' 30"	74° 40' 00"	Flashing.....	40 ft.	On wooden pole.
†Nottingham Island.....	63° 05' 48"	77° 56' 55"	Flashing.....	50 ft.	On wooden pole.
†Digges Island.....	62° 35' 20"	78° 06' 42"	Flashing.....	65 ft.	On wooden pole.
†Mansel Island.....	62° 27' 00"	79° 38' 00"	Flashing.....	41 ft.	On wooden pole.
†Coates Island.....	62° 10' 00"	83° 08' 00"	Flashing.....	40 ft.	On wooden pole, surrounded by white lattice.
Coral Harbour.....	64° 07' 34"	83° 15' 12"	Flashing.....	70 ft.	Red lantern on pole with tripod slatwork daymark at base.
†Bear Island.....	64° 01' 06"	83° 13' 12"	Flashing.....	56 ft.	Red lantern on pole with tripod slatwork daymark at base.
Churchill Harbour, Man.....	59° 46' 36"	94° 11' 14"	Fixed.....	217 ft.	White light on top of workshop building.

† Unwatched.

C.G.S. *N. B. McLEAN*—HUDSON STRAIT PATROL SHIP  
GENERAL DIMENSIONS AND EQUIPMENT

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The C.G.S. *N. B. McLean* is a twin-screw ice breaking steamer of 6,500 indicated horse-power and with the following leading dimensions:—

Length (B.P.).....	260 feet
Breadth (moulded).....	60 “
Depth (moulded).....	31 “
Gross tonnage.....	3,253 tons
Fuel oil capacity.....	1,596 “

The vessel is equipped with a patent towing winch furnished with both steel wire and manila towing hawsers, a searchlight, two 7-ton derricks and two motor launches.

She also carries a diver and complete diving apparatus and the following salvage gear:—

- 1 Dake centrifugal pump, 10 inch.
- 1 Smart Turner centrifugal pump, 8 inch.
- 1 Duplex pump, 6 inch.

These pumps are completely equipped with flexible suction and discharge pipes, foot valves, syphons, etc., and all necessary auxiliaries.

One hundred and fifty feet of bronze flexible steam hose with connections, patching gear, shores, turnbuckles and all necessary tools are also provided.

The vessel is provided with a gyro compass, recording echo sounder, radio-telegraph, radiotelephone and radar apparatus.

The *N. B. McLean* is normally in Hudson Strait from the opening to the close of navigation each year and maintains constant watch on 500 kc (600 metres), call sign CGSN.



## NEW SHIPS FOR ARCTIC WATERS

The *M. V. Rupertsland*, the latest addition to the fleet of the Hudson's Bay Company, will make her maiden voyage into Arctic waters during the summer of 1949, calling at some of the trading posts and northern settlements formerly supplied by the *Nascopie*.

Launched in November 1948 at the Fairfield Yard, Glasgow, the vessel, of all-weld construction and powered by two 300 H.P. diesel engines, has accommodation for twelve passengers and cargo carrying capacity of 500 tons. Her propellers are housed in Kort nozzles for protection and added power at slow speeds.

A photograph of her is reproduced facing page 12.

The keel of a new Eastern Arctic Patrol vessel for the government was laid in the Davie Shipbuilding yard at Lauzon, P.Q. on December 18, 1948.

The ship was designed by German and Milne of Montreal, whose drawing appears on page 71.

She will not be an ice-breaker in the usual sense of the term, but an ocean-going steam vessel with special attention given to construction which will withstand crushing by ice.

In addition to accommodation for 88 passengers and 58 crew, there will be a hospital, mail room, laundries and refrigerated space and special ventilation has been planned to eliminate condensation.

Chief dimensions are:—

Length between perpendiculars: 276 ft.

Draft: 18 ft. 6 ins.

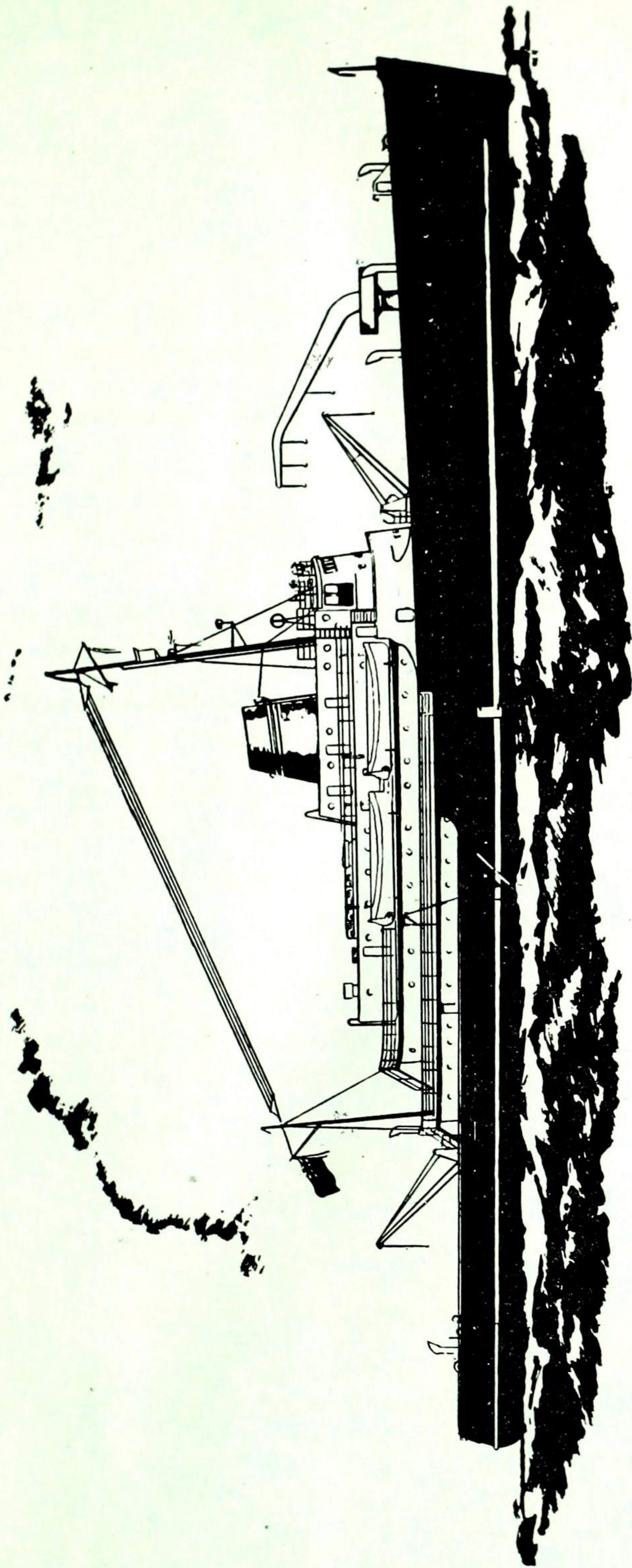
Speed: 13½ knots.

Deadweight tonnage 2,615.

Engines: Two Uniflow steam engines, oil fired, each of 2,000 I.H.P.

## GLOSSARY OF TERMS USED IN ICE NAVIGATION

- Floe**..... A large mass of floating ice.
- Pan**..... A small floe or piece of ice that can be forced aside or slewed.
- A field**..... A large body of ice that may be seen around.
- Land floe**..... Ice frozen fast to the shore.
- Packed ice**..... Small pieces of ice closed together and held by the pressure of ice currents.
- Ice blink**..... A peculiar pale yellow reflection on the sky indicating the presence of ice in the distance.
- The ice pack**..... A large body of solid ice extending across the whole sea and through which it is impossible to advance.
- Slack or open ice**..... Detached ice that can be worked through. Ice is said to be slacked when it begins to open up so as to be navigable.
- A lead**..... A strip of navigable water opening into the pack.
- Hummocky ice**..... Rough, uneven or thick ice.
- Slob**..... Snow afloat and forming into ice.
- Water sky**..... A dark or bluish appearance of the sky indicating open water beyond the ice pack.
- Rafting**..... Occurs when two pans meet with force either by the action of winds or currents, the edges are broken off and either rise on top of or pass under the body of the other.
- Growler**..... A more or less washed and rounded lump of ice which rolls about in the water; formed from broken-up bergs or detached pieces of heavy old Arctic floe ice.
- Collar ice**..... The margin of ice frozen fast to an island or shore, presenting an abrupt wall against which the floating ice rises and falls with the tide.



DESIGN No 679  
EASTERN ARCTIC PATROL VESSEL

GERMAN & MILNE  
NAVAL ARCHITECTS  
MONTREAL PQ