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MANUSCRIPT REPORTS OF THE BIOLOGICAL STATIONS

No. 79

An analysis of the surface water temperatures for
the Atlantic coast of Canada for the
years 1929 -- 1932.

By

H. B. Hachey.

BIOLOGICAL BOARD OF CANADA

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figure 1

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Introduction:

The physical conditions existing in the various water areas on the Atlantic seaboard are indicated in part by the surface temperatures of the coastal waters. As an important part of various hydrographic investigations that are carried out, a number of coastal stations have been established for the purpose of obtaining records of the surface water temperatures along the Canadian Atlantic coast. As part of routine hydrographic observations, the Atlantic Biological Station at St. Andrews, N. B., and the Fisheries Experimental Station at Halifax, N. S., have kept records of surface water temperatures in their respective localities for some years past. In 1929, stations for observation were established at Isle au Haute and Grand Menan in the Bay of Fundy, and at Lurcher Lightship, Sambre Island, and Sestari Island on the Nova Scotia coast. A station was also established at this time on Sable Island. In 1930, further stations were established at Entry Island of the Magdalen group, at North Point, P.E.I., at Cape Gaspe, Quebec, and at Cape St. Mary on St. Mary's Island on the north shore of the Gulf of St. Lawrence. In 1931, the station at Cape Gaspe was discontinued. From the time of the establishment of these stations a daily record of water temperatures and general weather conditions has been obtained at each point. The records suffer some interruptions due to various unavoidable causes.

Methods and Accuracy:

Samples of water are obtained twice daily by means of a wooden bucket at various points at 8 A.M. and 4 P.M. The temperatures of the water samples are obtained immediately by means of calibrated centigrade thermometers. Note is also made of the strength and direction of the wind, the cloud value, and the general state of the weather. Returns are made monthly.

The greatest error to be considered is the personal error of the observer. In the majority of cases the work is carried out with admirable care and efficiency, but in certain cases the readings at times admit of errors as large as 1.0 C. This somewhat limits the value of the observations, but on the whole the readings give a fairly good picture of the conditions along the Canadian coast.

Data:

The available average daily temperatures for the period 1929 to 1932, for each of the stations, are plotted in figure 1. The monthly mean temperatures for each station have been calculated and are furnished in table 4. The highest monthly mean and the lowest monthly mean for each station for each year of the period, as well as the annual range as determined from the monthly means are also furnished. In table 5, the period with temperatures above 10.0 C is given for each station, while in table 6, the daily average temperatures are tabulated.

Mean Daily Temperatures:

The plotted mean daily temperatures may be considered as of three different groups as follows:

1. Those represented by a smooth curve showing gradual temperature changes taking place from day to day. Such a curve is typical of Bay of Fundy points and is best exemplified by the plotted temperatures for St. Andrews, N. B. In such a case general climatological conditions enter to determine the general trend of temperatures. Mixing and upwelling due chiefly to tidal action enter to prevent extreme daily variations with the result that the plotted temperatures present a smooth sinusoidal curve.

2. Those represented by an erratic type of curve showing sharp and irregular temperature changes taking place from day to day during the warmer months of the year. Such changes are typical of points on the south coast of Nova Scotia and are well exemplified by the plotted temperatures for Halifax, Sable Island, and Sestari Island. Such sharp and erratic changes in temperature are due to the presence of a cold subsurface body of water which is brought to the surface when the surface waters are removed. The removal of the surface waters, which on the south coast of Nova Scotia is usually a movement away from the coast, is brought about by hydrodynamical agencies. Hydrodynamical instability is brought about by a particular distribution of pressure in the sea partly determined by the distribution of atmospheric pressure. Consequently movements of water to and from the coast will of necessity be related to the direction of the wind. Coupled with this the propelling force of the wind will have to be taken into account. A few examples will serve to illustrate the connection between water temperatures and the strength (of the wind) (and direction). In 1932, at Sestari Island, the highest daily mean water temperature was 20.0°C on September 6th after a three day period of light to strong southerly winds with fog, cloud and rain. On September 19th, a change from light southerly winds with fog and rain to strong northerly winds with cloud to clear, took place with resultant change in temperature from 14.9°C to 11.4°C . In early May the temperature was 2.5°C . This dropped to 0.8°C on the 10th due to ice movements to the region. In late November the temperature dropped from 6.3°C on the 26th, to 3.0°C on the 29th, following a shift of the wind from a southerly direction to a northerly direction accompanied by snow. At Sable Island, in the middle of October, winds shifting into the north west with clear weather brought the temperature from 12.5°C on the 12th to 6.9°C on the 15th. In late August, freshening winds from the west southwest brought the temperature from 17.5°C on the 25th, to 13.5°C on the 26th. In late November, a temperature of 8.0°C on the 26th, was reduced to 4.5°C on the 27th, following a change in the wind from south and west to the north with a change from rain to clear.

3. Those represented by a jagged but otherwise regular curve showing sharp but otherwise regular changes in temperature from day to day during the warmer months. Such a curve is typical of points in the Gulf of St. Lawrence and is well exemplified by the plotted temperatures for North Point and Entry Island. In the general case general climatological conditions are responsible for the great daily variations coupled with the shallowness of the areas where the stations are situated. In the main the amount of radiation to and from the waters of these areas determine the temperatures. With such a consideration it is difficult if not impossible to show a connection between the general weather conditions and the water temperatures except in the general sense of a seasonal change. The amount of radiation is undeterminable except by direct observation as too many factors enter. We might enlarge on this point

by a consideration of what might take place at the height of summer on (a) a cloudy or foggy day, and (b) a clear day. At the height of summer we will consider that the amount of heat absorbed by the waters during the day due to direct radiation from the sun is practically equal to the amount of heat lost by the waters during the night. The gain during twenty four hours will be nil. If we consider a case where fog sets in towards evening the radiation from the water will be considerably reduced and if the fog were to continue throughout the next day it is possible that the daily mean temperature will be higher on the foggy day than on a clear day. It is quite clear then that any attempt to connect the water temperatures with cloud value or general weather conditions is bound to offer considerable difficulty. Average conditions can be considered as offering the best means of analysis.

The temperatures for Cape St. Mary when plotted furnishes a type of curve that is to be included under group 3. It is found however that the abrupt changes that occur are probably connected with water movements. Knowing but little of the area it is difficult to say what the main factors are, but the results suggest that the resultant movements through Belle Isle Strait are responsible for the sharp and erratic changes that occur. When the resultant movement is inwards cold Labrador waters are effective in lowering the temperatures. Sometimes a favorable wind is required to bring about these results as the colder waters tend to form a sub surface layer. When the resultant movement is outwards through the strait the gulf waters tending towards the area tend to bring the temperatures to a higher level. In the Gulf area winter conditions are controlled in the main by the ice which is usually heavy and fast for a period of three or four months.

Maximum and Minimum Monthly Mean Temperatures:

The maximum and minimum monthly mean temperatures permit a comparison of the summer and winter conditions at the various points of observation. The table of maximum monthly means points out that the warmest waters are those of North Point. Listing the others in order of magnitude we have Sable Island, Entry Island, Sestari Island, Halifax, Sambre Island, Isle au Haut, Lurcher Lightship, and St. Andrews, and Cape St. Mary and Grand Manan. In 1930 and 1931, Lurcher Lightship had a higher maximum monthly mean (13.5° C and 14.5° C) than St. Andrews (13.2° C and 13.4° C). In the years 1929 and 1932, St. Andrews had a higher maximum monthly mean (12.6° C and 13.1° C) than Lurcher Lightship. In the years 1930 and 1932, the maximum monthly mean temperatures for Grand Manan (11.7° C and 11.8° C) are slightly higher than those for Cape St. Mary (11.5° C and 11.9° C). In 1931 however, the value for Cape St. Mary (13.8° C) is considerably higher than that for Grand Manan (11.6° C). From the table of minimum monthly means, Sestari Island, Entry Island, North Point, and Cape St. Mary are classed as those having the lowest monthly mean values, these points usually being more or less completely closed in by ice. Sable Island, Isle au Haut, Sambre Island, and St. Andrews form a group where the (monthly) (minimum) mean is sometimes below 0.0° C. The points having the highest monthly means are in order of magnitude Lurcher Lightship, Grand Manan and Halifax.

Annual Range of Means:

North Point has the greatest annual range of monthly means for all years of the period, with Entry Island and the Sestari Island next in order of magnitude. For 1932, the other points follow in order of magnitude as follows: Sable Island, Sambre Island, Halifax, Isle au Haut, Cape St.

Mary, St. Andrew, Grand Manan, and Lureher Lightship. In 1930 St. Andrews had a greater annual range than Halifax, and Lureher Lightship had a greater annual range than Grand Manan.

Annual Differences:

The annual differences as determined from the maximum monthly means point out that in comparison with the years 1930, 1931 and 1932, the year 1929 was a cold water year. On the whole, 1931 seems to be the year of warmest water, although in some cases there is little difference between the maximum monthly means for 1930, 1931 and 1932.

The annual differences as determined from the minimum monthly means point out that there is but little difference in the winter conditions from year to year. Grand Manan and St. Andrews are the only points which show differences of any appreciable magnitude. In this connection it might be noted that the winter of 1930 provided the lowest minimum monthly means.

Annual differences may also be illustrated by a consideration of the times at which the waters attain a temperature (certain given). A temperature of 10.0°C is chosen for this purpose. At Sambre Island the waters attained a permanent summer temperature of 10.0°C on June 4th in 1929 which was five to ten weeks earlier than in the following years. The temperature dropped permanently below 10.0°C in late October or early November showing very little change in date from year to year. The waters in the vicinity of Halifax and Sable Island usually attain a permanent summer temperature of 10.0°C ~~or higher~~ in early June or late May, but in 1932 a permanent summer temperature of 10.0°C or higher was reached on July 18th in the Halifax vicinity. The waters of these same regions usually attain a permanent fall temperature of 10.0°C or lower in late October or early November, but in 1929 this temperature was attained at Sable Island on October 8th. Again at Sestari Island a permanent summer temperature of 10.0°C or higher is usually attained in early July and a permanent fall temperature of 10.0°C or lower in late October or early November. At Entry Island and North Point these temperatures are usually attained in early June or late October, but in 1932 the season was seemingly somewhat backward for Entry Island attained its permanent summer temperature of 10.0°C or higher on June 27th. At Cape St. Mary the season is both backward and shorter, the permanent summer temperature of 10.0°C or higher being attained in August and the permanent fall temperature of 10.0°C or lower in late September. The seasons of 1930 and 1932 were longer than those of 1931. In the Grand Manan region late July or early August is the usual time for the attainment of the permanent summer temperature, while the permanent fall temperature is attained in late October or late November. The longest summer season was in 1930 (July 22nd - November 22nd), while the shortest was in 1929 (August 12th - October 22nd). At Lureher Lightship however, the longest season was in 1931 (June 23rd - December 4th). At Isle au Haut, the longest season was in 1931 (June 29th - November 25th).

Mean Annual Temperatures:

Of the determined annual means for 1930, Halifax and Sable Island have the highest values (8.5°C), Lureher Lightship (7.8°C), Grand Manan (7.2°C), Isle au Haute and ~~Grand Manan~~ St. Andrews (7.1°C), Sambre Island (6.9°C), and Sestari Island has the lowest value (6.6°C). Of the determined annual means for 1931, Sable Island has the highest value (9.4°C), Lureher Lightship (8.7°C), Halifax (8.6°C), Sambre

Island (7.9°C), Isle au Haute and St. Andrews (7.4°C), North Point (7.4°C), Grand Menan (6.9°C), Sesteri Island (6.7°C), Entry Island (6.6°C), and Cape St. Mary has the lowest value (4.2°C). Of the determined annual mean temperatures for 1952, Halifax has the highest value (7.8°C), North Point (7.5°C), Grand Menan and St. Andrews (7.0°C), Sambro Island (6.9°C), Isle au Haute (6.8°C), and the lowest value is that for Sesteri Island (6.4°C).

Monthly Mean Temperatures for the Atlantic Coast of Canada ----- Year 1929.

Jan.	2.2				2.2			
Feb.	1.3				0.6			
Mar.	1.7				0.7			
Apr.	3.1				2.7			
May	5.4	4.6			5.8	4.4		2.3.5
Jun.	8.7	7.2			8.2	9.1		7.1
Jul.	11.6	8.9			9.7	8.2		13.1
Aug.	13.5	10.1			11.2	10.8		16.5
Sep.	13.5	11.0			11.8	13.5		15.4
Oct.	11.2	9.4			12.0	16.0		12.0
Nov.	8.3	7.4			8.3	7.5		6.3
Dec.	5.6	4.1			6.0	2.6		1.0

Isle aux Grand Rents
 St. Larcher
 Grand Ansees Light Is.
 Combro Halifax Seaboard Is.
 Sestari Is.

Mean Annual Annual 6.7 7.1

Max. Mon. Mean 13.5 11.0 12.6 12.0 13.5 14.6 17.4 16.5

Min. Mon. Mean 1.3 0.6

Annual Range 11.3 14.0

Table 1.

Monthly Mean Temperatures for the Atlantic Coast of Canada ----- Year 1950

Month	1.2	2.4	1.3	4.8	0.6	1.8	1.6	-0.5	10.9
Jan.	0.2	1.3	-0.3	3.3	-0.2	1.2	-0.1	-1.5	10.2
Feb.	0.5	2.4	0.7	4.7	1.1	2.3	1.5	-0.9	14.4
Mar.	2.9	4.7	3.3	4.8	2.9	4.2	3.9	0.6	14.6
Apr.	5.1	7.0	6.8	6.7	5.5	7.2	6.0	3.4	13.5
May.	9.4	8.5	10.2	8.9	8.4	13.8	10.7	8.4	8.1
Jun.	12.2	10.6	12.3	11.4	10.1	14.1	16.0	14.1	5.6
Jul.	14.2	11.5	13.2	12.3	14.8	15.4	18.3	17.6	1.1
Aug.	13.8	11.7	13.2	13.5	16.2	16.1	16.8	15.4	4.8
Sep.	11.8	11.2	11.3	11.7	12.9	13.7	13.0	11.4	1.1
Oct.	9.0	9.5	8.4	7.3	7.5	8.2	9.0	6.4	1.1
Nov.	4.8	5.0	4.5	4.3	3.1	3.9	3.5	3.3	1.1
Dec.									-0.2

Ilele sa Grand St. Laroher Sembro Halifax Soble Sestari Entry North Cape
 Heute Monon Andrews Light Is. Is. Is. Is. Is. Pt. Casps St. ¹⁹⁵⁰

Mean	7.1	7.2	7.1	7.8	6.9	8.5	8.5	6.6	18.0	18.0	19.6	14.6	11.3
Annual	14.2	11.0	13.2	13.5	16.2	16.1	18.3	17.6	18.0	18.0	19.6	14.6	11.3
Max. Mon.	0.2	1.3	-0.3	3.3	-0.2	1.2	-0.1	-1.5	100	100	100	100	100
Min. Mon.	14.0	10.4	13.5	10.2	16.4	14.5	18.4	19.1	19.5	19.5	21.1	12.8	12.8

Table 2. / indicates that the winter temperatures were taken as -1.5° C.

Monthly Mean Temperatures for the Atlantic Coast of Canada ----- Year 1921

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Mean	2.1	-0.3	1.3	3.6	5.9	9.0	11.9	14.1	13.3	11.9	9.5	5.5	7.4
Tele. op Grand Haven	8.9	7.2	4.7	4.0	9.9	8.1	10.0	11.6	11.5	10.2	8.9	5.9	6.9
St. Andrews	2.9	1.4	1.7	3.8	6.6	9.1	12.4	13.4	12.7	10.8	8.6	4.7	7.4
Lurbeer Light	4.0	3.5	4.2	5.2	7.2	9.4	12.1	12.8	14.5	12.9	10.7	7.9	8.7
Sembro Is.	7.4	6.5	7.0	7.5	8.9	11.6	13.5	16.3	15.3	12.2	9.4	4.1	7.9
Halifax	9.1	8.1	8.0	8.2	8.9	12.6	16.5	16.0	15.4	12.0	8.9	4.8	8.6
Sable Is.	12.4	11.5	11.1	11.4	11.9	12.0	16.8	19.2	17.0	12.7	9.1	4.5	9.4
Centari Is.	10.2	11.3	11.0	11.0	11.0	11.2	13.5	17.3	15.8	10.7	7.4	3.5	6.7
Entry Is.	11.1	10.4	10.1	10.1	10.5	11.2	14.6	17.8	14.8	9.7	6.5	0.5	6.6
North Pt.	11.5	11.4	11.2	11.1	11.1	11.5	18.8	20.0	15.4	10.2	6.5	0.1	7.4
Cape St. Mary	11.5	11.4	11.2	11.1	11.1	11.5	18.8	20.0	15.4	10.2	6.5	0.1	7.4

Max. Min.	Mean												
14.1	11.6	13.4	14.5	16.3	16.5	19.2	17.5	17.5	20.0	13.8			

Annual Range	14.4	9.4	12.0	10.7	15.8	14.7	17.7	18.6	19.0	21.4	15.5
Min. Max.	-0.3	2.2	1.4	3.8	0.5	1.6	1.5	-1.5	1.0	-1.4	1.0

Table 3. # indicates that the winter temperatures were taken on -1.5° C.

Month. Monthly Mean Temperatures for the Atlantic Coast of Canada ----- Year 1932

Jan.	2.8	4.7	5.0	5.7	1.7	2.8	2.5	0.5	-1.5	-1.5
Feb.	-0.3	2.3	0.7	3.7	-0.6	0.9	-0.5	-1.4	-1.8	-1.4
Mar.	-0.3	2.3	0.7	3.6	-0.4	1.1	1.1	-0.9	-1.3	
Apr.	2.4	3.7	3.3	4.8	2.1	3.0	3.3	0.4	1.0	
May.	5.5	6.0	6.3	6.9	5.2	6.2	8.7	3.6	9.4	2.2
Jun.	8.3	8.0	9.0	8.9	8.3	10.5	10.7	7.0	14.5	6.2
Jul.	11.6	9.3	11.4	10.7	11.4	12.8	14.7	12.2	18.4	10.1
Aug.	13.0	11.3	13.1	13.8	15.8	16.5	17.7	17.0	20.1	11.9
Sep.	13.3	11.8	12.9	16.0	16.0	15.5	15.2	15.2	15.7	10.7
Oct.	11.7	10.9	11.4	10.9	11.5	11.5	11.6	11.5	11.0	5.8
Nov.	8.3	8.0	7.6	9.1	7.6	7.6	7.5	7.5	4.2	5.0
Dec.	4.8	5.6	4.3	6.8	4.4	5.1	5.1	3.8	0.2	-0.7

Isle au Grand St. Laroche Sambro Halifax Sable Sotaria Entry North Cape St.
Route Mansen Andrews Light Is. Is. Is. Is. Is. Pt. Mary

Mean Annual	6.8	7.0	7.0	6.9	7.8	6.4	7.5			
Max. Mon.										
Mean	13.3	11.8	13.1	11.5	16.0	16.5	17.7	17.0	17.7	20.1
Min. Mon.										
Mean	-0.3	2.5	0.7	3.6	-0.4	0.9	-0.5	-1.4	1.0	-1.8
Annual Range	13.6	9.5	12.4	7.9	16.4	15.6	18.2	18.4	19.2	21.9
								(100)	(100)	(100)

Table 4. f indicates that the winter temperatures were taken as $-1.5^{\circ} C$

Period with Temperatures above 10.0 C.

	1929	1930	1931	
Tele au Haute	July 2nd, to October 28th.	June 21st, to November 7th.	June 29th, to November 25th.	July 10th, to October 29th.
Grand Manan	August 12th, to October 22nd.	July 22nd, to November 22nd.	July 28th, to November 1st.	July 31st to October 30th.
Marcher Igt.	July 27th, to November 10th.	July 3rd, to November 6th.	June 23rd, to December 4th.	July 1st, to October 31st.
St. Andrews	June 29th to October 17th.	June 13th, to October 31st.	June 28th, to October 30th.	June 28th, to October 29th.
Sambro Is.	June 4th, to November 4th.	August 17th, to November 6th.	August 16th, to October 26th.	July 19th, to October 28th.
Halifax	June 8th, to October 27th.	June 4th, to November 6th.	June 3rd, to November 6th.	July 18th, to October 23rd.
Sable Is.	June 14th, to October 8th.	June 12th, to November 9th.	May 26th, to November 5th.	June 11th, to October 31st.
Somerset Is.	July 9th, to October 29th.	July 3rd, to October 21st.	July 7th, to October 22nd.	July 9th, to November 2nd.
Entry Is.		June 10th, to October 21st.	June 10th, to October 18th.	June 27th, to October 26th.
North Point		June 9th, to October 18th.	June 2nd, to October 19th.	June 9th, to October 23rd.
Cape St. Mary		August 13th, to September 29th.	August 25th, to September 24th.	August 8th, to September 27th.

Table 5.

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....Isle au Haute.....Year....1929....

Day of the Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					4.0	7.1	9.4	12.9	13.8	12.4	10.0	5.8
2					3.6	7.5	10.4	13.0	14.0	12.1	9.6	5.8
3					5.0	7.3	10.8	13.5	13.3	12.9	9.6	5.3
4					4.6	6.9	10.0	13.6	13.1	12.6	9.0	4.9
5					5.0	7.9	10.6	13.1	13.1	12.1	8.9	4.6
6					5.3	8.5	11.6	13.0	12.9	12.9	9.4	4.4
7					5.0	8.9	11.1	13.3	13.0	12.5	10.0	3.9
8					4.8	7.4	11.5	12.9	14.0	12.5	9.1	3.3
9					4.5	7.9	11.3	13.1	14.0	11.8	9.6	3.1
10					4.9	7.9	10.9	13.8	14.3	10.9	9.0	2.9
11					5.3	8.0	12.0	13.3	13.3	11.6	8.9	4.3
12					5.3	7.5	13.5	13.4	12.0	11.4	9.4	4.9
13					5.0	8.8	12.9	14.0	13.5	11.6	9.1	5.6
14					5.0	8.6	13.4	14.1	13.9	11.1	9.4	4.3
15					4.8	10.4	12.4	13.0	13.3	11.3	9.0	3.8
16					4.3	10.3	14.1	13.9	13.4	12.0	7.9	1.6
17					5.9	10.5	13.1	14.1	13.5	11.4	8.5	3.5
18					6.4	10.4	12.9	14.4	14.9	10.5	9.6	2.3
19					6.3	9.9	13.8	13.4	14.1	10.3	9.5	3.1
20					5.3	10.8	12.4	13.6	13.8	11.0	7.8	3.8
21					5.5	9.4	12.3	14.8	12.8	11.1	7.4	3.8
22					5.3	9.5	12.0	13.5	12.8	11.9	7.6	2.3
23					5.9	9.6	12.1	13.8	13.4	11.5	6.8	3.1
24					5.8	10.0	11.9	13.3	13.1	11.9	5.9	3.5
25					6.1	9.6	11.8	13.5	13.0	11.8	7.3	2.3
26					6.0	9.4	11.9	13.8	13.9	11.5	6.4	3.1
27					6.6	9.1	11.6	14.1	12.9	11.4	7.5	3.3
28					6.6	9.6	11.3	13.5	13.0	10.8	7.3	3.9
29					6.4	9.1	11.4	13.8	12.8	9.6	5.9	3.3
30					6.9	9.3	12.6	13.8	12.6	8.8	5.8	2.3
31					7.4		13.1	13.8		9.1		2.0
Mean.					5.4	8.7	11.6	13.5	13.5	11.2	8.3	3.6

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

Locality..... Isle au Haut..... Year..... 1930.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.3	-1.5	1.1	1.3	4.0	5.9	10.9	13.8	14.3	12.8	10.8	7.8
2	3.6	-1.5	.1	1.4	3.6	6.6	12.9	14.0	14.9	13.3	10.3	6.9
3	3.0	1.5	-1.3	.8	4.1	7.1	10.8	14.4	14.9	13.4	10.4	5.4
4	2.3	-0.8	1.8	1.9	5.1	8.8	11.3	13.6	13.9	12.3	9.9	6.1
5	.5	1.3	2.1	1.9	5.3	7.1	12.1	14.0	13.1	10.3	9.6	6.5
6	2.3	-1.8	1.0	2.9	4.3	7.4	11.5	14.9	14.1	10.6	10.5	5.9
7	3.5	0.5	1.1	3.8	4.9	7.5	11.9	14.1	14.1	12.6	9.0	4.8
8	3.6	1.0	-1.1	3.5	5.4	8.6	12.0	14.1	14.1	12.1	9.3	4.9
9	2.6	0.5	2.1	3.4	5.5	9.0	11.8	14.1	13.9	12.8	9.8	4.1
10	1.8	1.3	1.4	3.5	4.6	9.0	11.5	13.9	13.4	10.8	9.5	4.1
11	1.0	-1.0	1.4	4.0	4.8	8.0	11.1	14.5	13.1	12.4	9.9	4.4
12	1.3	-0.1	2.1	3.9	4.8	8.3	11.4	14.6	14.1	13.4	9.5	3.8
13	3.4	1.8	1.4	4.4	4.5	8.3	11.3	14.6	13.6	13.6	8.1	3.4
14	-1.0	.9	-0.8	3.9	4.6	8.0	11.4	13.8	12.9	13.5	9.0	4.9
15	1.4	1.6	-0.3	3.0	4.9	8.5	11.6	14.0	13.6	12.1	8.3	4.9
16	1.8	-1.0	-1.1	2.9	4.5	8.9	11.4	12.5	14.1	13.4	9.4	1.8
17	0.0	-1.5	1.6	2.3	5.9	7.8	12.1	14.3	14.6	12.9	7.8	3.6
18	1.3	1.3	.3	3.3	5.5	8.2	12.1	14.3	14.1	12.5	8.0	4.8
19	2.5	1.9	-0.3	4.1	5.8	8.5	12.4	14.8	13.9	13.4	8.4	6.3
20	1.3	.9	-0.5	3.1	4.6	9.8	13.4	14.5	13.8	11.1	9.0	5.0
21	1.8	.4	-1.3	3.9	5.3	10.0	12.8	14.5	14.0	10.8	9.4	5.4
22	1.5	1.5	.5	4.6	6.0	12.0	13.9	14.1	13.5	10.5	9.6	5.5
23		.9	-0.3	2.4	6.1	12.6	13.6	15.1	12.5	10.0	8.1	5.4
24		1.1	.3	2.3	6.5	10.6	12.5	15.1	12.9	9.8	8.8	4.9
25		.8	1.4	3.1	7.3	11.9	12.6	13.9	13.4	10.3	9.8	4.1
26		-0.8	1.1	2.6	6.1	12.9	13.1	13.4	13.5	10.6	8.9	5.0
27		1.5	1.6	2.5	6.1	12.0	13.3	14.1	13.6	10.9	8.9	3.8
28		-0.5	1.6	1.9	6.0	11.6	13.3	14.5	14.0	10.8	7.8	3.1
29	0.0		1.5	2.3	5.8	11.1	12.8	14.9	13.4	11.4	5.5	5.5
30	0.4		-0.5	3.8	6.8	11.9	12.4	15.1	13.1	11.3	6.6	4.4
31	-0.3		1.4		6.1		13.5	14.6		10.5		3.6
Mean	2.2	0.2	.5	2.9	5.1	9.4	12.2	14.2	13.8	11.8	8.9	4.8

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality..... Isle au Haute Year..... 1931.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.1	-1.8	.3	2.3	3.9	8.9	11.9	13.8	13.9	12.1	11.5	8.1
2	2.3	-1.8	.8	3.4	3.9	8.1	12.1	13.3	13.4	12.1	10.4	5.8
3	3.5	-1.3	1.4	2.3	4.9	8.0	10.1	13.3	13.9	12.8	9.6	7.3
4	3.8	-1.0	1.3	2.4	5.1	7.9	10.9	13.3	14.4	13.6	10.5	7.8
5	2.8	.6	.6	2.3	5.3	7.9	10.0	13.4	14.0	13.8	9.8	6.4
6	2.0	1.0	.8	2.6	5.5	8.1	10.1	12.5	13.9	12.5	9.9	6.4
7	3.1	-1.5	1.0	2.4	5.6	7.9	10.1	13.5	14.1	12.8	9.1	5.8
8	1.3	-1.3	1.8	2.9	5.6	8.1	10.4	13.1	14.3	12.8	8.6	4.8
9	4.1	1.3	1.8	3.5	5.6	8.1	12.0	13.1	13.5	11.3	9.8	5.3
10	2.9	.8	.6	3.6	5.4	8.5	12.4	14.8	13.9	11.1	10.5	6.6
11	2.3	-1.3	1.1	4.3	4.9	8.6	13.1	14.1	14.0	10.9	9.3	6.6
12	2.9	-1.3	1.5	3.4	5.3	8.3	13.4	14.5	14.1	10.6	9.3	6.1
13	2.3	-1.5	1.9	2.6	5.5	9.5	13.3	13.3	13.1	10.9	9.9	6.9
14	3.0	.5	1.8	2.4	5.8	9.9	13.5	13.3	13.4	11.6	9.3	6.9
15	1.8	-1.8	1.4	2.9	5.9	9.9	11.3	13.5	13.9	12.3	10.1	6.1
16	1.0	-1.5	1.9	3.0	5.5	9.1	11.0	14.6	13.8	13.3	9.6	5.1
17	1.8	.1	1.6	3.5	6.3	8.8	10.6	14.3	13.5	12.8	8.9	5.1
18	2.3	.4	.5	4.0	5.1	8.1	10.5	14.1	13.5	12.8	9.9	5.5
19	2.4	-0.6	.8	4.6	6.3	8.8	11.0	14.9	13.8	12.3	9.5	5.1
20	2.3	-1.3	1.0	4.5	6.0	9.1	10.8	15.1	13.5	12.3	9.4	4.9
21	2.4	.5	1.6	4.1	5.8	8.8	11.3	14.9	12.9	12.5	10.3	4.5
22	1.5	.3	2.3	4.9	6.0	9.5	12.0	13.8	12.8	10.9	9.6	5.4
23	1.0	-0.8	1.8	4.8	5.8	9.1	12.8	15.3	12.8	11.8	9.5	5.4
24	-1.1	-0.5	1.3	5.0	6.6	8.6	12.3	15.3	12.6	10.8	10.4	5.5
25	1.8	.8	.8	4.0	7.0	10.5	12.9	14.5	11.1	11.6	10.0	5.6
26	2.8	1.5	1.8	4.5	6.9	9.3	12.6	14.4	10.9	11.5	8.3	5.3
27	2.5	1.9	1.5	4.5	6.8	9.8	13.8	14.0	12.8	10.5	7.8	5.6
28	1.3	1.5	1.4	4.9	6.8	9.4	12.8	14.3	12.3	11.0	8.0	5.3
29	1.0	.8	.8	4.1	7.1	9.6	13.5	14.3	11.1	11.3	8.6	3.4
30	-1.8		2.3	4.3	8.8	10.9	12.8	14.8	12.6	11.8	7.8	3.4
31	-1.3		2.3		8.8		12.9	14.3		11.6		3.9
Mean	2.1	-0.3	2.3	3.6	5.9	9.0	11.9	14.1	13.3	11.9	9.5	5.5

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....Isle aux Heures, N.S.,.....Year...1922,.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	3.4	0.8	0.3	1.1	3.4	7.0	9.9	12.8	13.4	12.4	9.4	7.3
2	3.5	1.5	0.3	1.3	3.1	7.4	10.8	12.4	13.1	12.1	9.6	7.9
3	3.1	0.0	0.8	1.1	3.4	7.3	9.9	12.5	13.6	12.1	9.8	7.8
4	3.5	1.5	0.3	1.6	3.3	7.0	10.3	11.9	14.1	12.6	8.9	7.1
5	4.0	1.0	1.0	1.9	3.1	8.1	9.9	12.4	13.6	12.9	9.1	7.4
6	3.4	-0.9	0.8	2.1	3.5	6.9	9.9	13.0	13.6	12.9	8.5	6.3
7		0.4	1.1	2.5	4.1	6.9	9.9	12.6	13.6	12.8	8.1	7.4
8	3.1	-0.8	0.6	2.1	3.9	6.4	9.8	12.8	13.9	11.9	8.6	7.4
9	4.3	0.6	-0.9	2.1	4.1	7.2	9.8	13.1	15.4	13.0	8.9	9.4
10	3.1	-1.4	-2.0	2.5	4.5	7.0	10.1	13.1	13.3	12.8	8.0	4.9
11	2.4	-1.5	-0.8	1.9	5.1	7.6	10.1	12.6	12.8	12.4	8.4	3.6
12	3.4	2.3	-0.3	2.1	4.9	8.1	10.4	13.8	13.5	11.6	8.1	8.4
13	2.9	2.6	-0.5	2.4	5.1	8.6	10.9	13.0	13.1	10.9	8.6	4.6
14	4.4	-0.3	-1.3	2.8	5.4	9.8	11.8	13.5	13.4	10.5	8.9	5.4
15	4.6	-1.3	-1.9	3.0	5.5	8.3	12.0	13.5	13.1	11.1	9.5	5.3
16	3.8	-0.8	2.1	2.8	5.6	9.6	12.6	13.1	13.1	13.5	9.8	2.5
17	2.9	-0.8	-1.3	2.4	5.3	9.0	12.5	12.5	13.6	12.0	9.8	1.1
18	3.9	-0.5	-0.5	2.6	5.5	9.0	10.4	12.9	13.6	11.9	8.6	1.6
19	3.0	-1.6	-0.3	2.9	5.6	8.3	11.1	12.6	13.1	10.6	8.0	1.6
20	2.3	-2.0	0.0	3.1	9.5	7.9	11.2	12.9	12.8	11.6	8.4	3.0
21	2.3	-3.0	-0.8	3.1	6.1	8.1	11.6	13.0	13.1	11.6	8.8	4.1
22	2.4	-1.6	0.0	3.1	5.9	8.4	11.8	13.3	13.9	10.8	7.9	5.1
23	1.4	0.6	-0.3	2.6	6.4	8.4	11.8	13.5	13.9	10.9	7.6	4.1
24	2.1	-1.9	-0.8	2.6	6.4	8.9	11.4	12.9	12.8	10.8	7.8	3.6
25	1.4	-2.4	-0.3	2.6	5.9	8.9	11.9	13.4	13.3	10.9	7.3	5.5
26	1.9	0.3	-0.6	2.9	6.1	9.5	11.9	13.9	12.4	10.8	7.9	4.1
27	1.9	1.1	1.0	2.5	6.1	9.8	12.4	13.6	12.0	10.6	5.8	4.5
28	1.3	0.6	1.1	2.6	6.4	9.8	12.9	13.6	13.1	11.8	6.6	5.6
29	1.6	1.0	-0.4	2.6	6.1	10.4	12.9	13.6	13.1	9.8	5.1	5.0
30	1.4		-0.8	3.1	5.9	10.1	13.1	13.4	12.8	10.0	6.3	5.0
31	2.4	-0.3	-0.3	3.4	6.8	8.3	13.0	13.5	13.3	9.1	8.3	4.1
Mean	2.8	-0.3	-0.3	2.4	5.5	8.3	11.6	13.0	13.3	11.7	8.3	4.8

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

LocalityGrand. Haven.....Year.....1929..

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1					3.6	6.8	8.5	9.7	10.7	10.2	8.6	5.6
2					3.9	6.4	8.4	10.0	10.7	10.2	8.9	5.8
3					4.0	6.4	8.1	9.7	10.4	11.0	8.5	2.7
4					4.0	6.6	8.1	9.9	10.6		8.3	3.1
5					4.2	6.5	8.3	9.6	10.7	9.9	8.4	4.3
6					4.2	6.7	8.3	9.4	10.9	10.0	7.7	4.8
7					4.5	6.9	8.4	9.5	10.9	10.3	8.3	3.6
8					4.8	6.7	8.4	9.6	10.9	10.0	7.7	3.5
9					4.3	7.1	8.8	10.0	11.0	9.0	7.6	4.5
10					4.1	7.1	8.1	10.0	10.9	9.4	8.0	3.8
11					4.3	7.2	8.9	9.8	10.9	9.8	8.0	2.6
12					4.2	7.0	8.6	9.9	10.4	9.4	8.3	3.1
13					4.3	5.5	8.7	10.4	11.1	10.1	9.0	4.0
14					4.3	7.1	8.7	10.5	11.3	9.8	9.0	5.1
15					4.4	7.1	8.5	10.5	11.1	9.5	9.0	4.7
16					2.6	4.7	7.1	9.0	10.0	10.9	9.9	7.2
17					2.8	4.4	7.2	9.3	10.0	11.0	9.4	7.9
18					2.7	4.4	7.2	9.2	10.2	10.8	8.3	6.9
19					2.6	4.3	7.1	9.2	10.2	10.7	8.8	7.7
20					2.6	4.3	7.5	9.3	10.3	10.4	9.5	6.7
21					2.7	4.4	7.3	9.5	10.1	11.1	9.6	5.4
22					2.6	4.7	7.6	9.3	10.0	10.7	10.2	6.7
23					2.3	4.7	7.8	9.3	10.4	10.2	9.5	4.1
24					2.6	4.7	7.8	9.9	10.5	10.9	9.4	7.1
25					3.0	4.9	8.0	9.3	10.7	10.7	9.1	6.0
26					3.3	4.9	7.8	9.8	10.4	10.9	9.0	5.8
27					3.0	6.0	7.7	9.5	10.3	11.1	9.1	7.2
28					3.2	6.1	8.3	10.0	10.7	10.8	8.9	7.0
29					3.7	5.9	8.5	9.6	10.7	10.7	7.0	4.4
30					3.5	6.4	8.1	10.0	10.6	10.4	8.7	3.0
31						6.4		9.6	10.4		8.7	
Mean					2.9	4.6	7.2	8.9	10.1	11.0	9.4	7.4

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

C. No. 1 (Grand Manan)Year..... 1930

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.5	.9	2.9	4.3	5.3	6.8	9.7	10.9	12.4	11.6	10.0	8.7
2	5.1	2.2	2.9	4.0	6.0	8.2	9.6	10.6	12.2	11.9	10.4	6.8
3	5.2	1.0	.7	4.0	6.7	8.6	9.5	10.6	12.1	11.7	9.5	4.6
4	3.3	1.1	.9	3.2	5.4	9.0	10.6	10.0	11.9	11.5	10.6	6.6
5	1.4	1.8	.6	4.3	5.6	8.2	10.2		11.5	10.9	10.7	6.6
6	4.6	-1.0	3.7	5.2	9.3	7.5	10.4		12.1	11.0	9.9	7.4
7	4.8	.4	3.2	4.1	9.9	6.9	9.5		12.3	11.1	8.5	7.5
8	5.7	.7	3.3	3.6	7.9	7.1	10.3		12.0	11.7	6.4	7.5
9	4.0	1.8	4.1	4.1	7.6	8.1	9.3		11.5	11.6	9.9	7.4
10	4.6	2.5	3.3	4.1	7.6	8.6	12.2		12.1	11.7	9.2	7.3
11	1.4	.6	4.1	4.6	6.0	7.7	9.2		12.3	11.9	9.3	6.9
12	1.8	-7.5	3.9	4.0	6.3	8.3	11.0		11.6	11.9	9.2	7.0
13	3.4	1.6	3.9	4.4	6.4	7.4	9.9		11.4	12.3	9.9	5.5
14	3.0	2.3	1.0	4.6	7.0	8.6	9.8		11.3	11.5	10.0	5.3
15	3.7	.6	-3	3.4	6.1	8.8	10.5		11.2	11.4	9.7	5.8
16	2.8	-7.8	.8	3.9	6.6	9.1	10.4		11.4	12.5	9.6	3.3
17	.7	-7.9	1.4	3.9	6.6	8.2	10.8	11.6	11.4	12.7	9.2	4.6
18	.9	1.2	.8	4.0	6.6	8.5	11.0	11.8	11.7	12.5	9.2	5.8
19	1.8	1.9	2.0	6.0	8.0	8.4	10.6	11.5	11.5	11.8	9.6	5.7
20	1.5	2.4	.3	6.2	6.7	8.2	10.5	11.3	12.6	11.3	9.2	5.7
21	2.0	2.4	1.8	5.6	6.7	8.8	10.1	11.2	11.3	10.5	9.4	6.1
22	1.3	2.9	0.0	5.7	7.7	9.0	8.6	11.6	11.6	9.0	10.1	5.5
23	.5	3.5	1.3	3.5	3.5	9.0	11.1	11.6	11.2	10.8	9.4	5.6
24	1.9	3.6	2.0	3.9	7.8	9.5	10.6	11.8	11.4	10.3	9.5	6.0
25	2.3	2.7	3.8	6.6	8.2	9.8	10.6	11.8	11.7	11.1	9.6	5.3
26	.3	.4	3.0	6.7	8.6	10.0	10.6	11.9	11.7	11.1	9.6	4.7
27	1.0	.9	4.1	8.4	7.1	9.6	10.7	11.8	12.0	10.2	8.8	4.7
28	2.4	1.8	3.5	5.7	6.8	9.4	10.6	11.2	11.6	10.3	8.1	5.9
29	1.2		3.8	8.0	6.6	10.2	11.7	12.3	11.7	10.7	8.3	5.8
30	.2		2.9	5.6	6.3	9.3	11.9	12.1	11.6	10.9	8.6	5.5
31	.3		4.3		7.1	8.5	11.6	12.2	12.0	10.7	8.5	5.0
Mean	2.4	1.3	2.4	4.7	7.0	8.5	12.1	12.5	10.5	10.5	9.5	6.0
							10.6	11.5	11.7	11.2		

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

Locality.....G.S. 1 (Grand Manan).....Year.....1951.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.3	.7	2.9	2.5	4.5	6.4	11.7	10.8	12.0	11.0	10.0	7.9
2	4.3	1.3	3.3	3.2	4.5	6.6	10.6	10.7	11.1	10.9	9.7	5.9
3	4.8	1.0	2.7	3.1	5.0	7.0	9.2	9.8	11.2	11.1	9.9	6.8
4	5.6	3.1	2.3	3.1	5.0	8.1	9.1	10.4	11.2	11.2	10.0	7.9
5	5.3	.9	2.3	3.2	5.3	7.1	9.8	10.9	12.2	11.2	9.8	6.2
6	4.9	2.1	2.0	3.0	5.9	7.7	9.5	10.1	11.6	10.6	9.7	6.9
7	2.0	1.2	2.3	2.7	5.3	6.8	9.4	13.0	11.7	11.0	9.6	7.5
8		1.1	2.3	2.9	5.2	6.4	10.2	11.3	11.6	11.1	9.1	4.6
9	-.2	2.7	2.2	3.3	5.5	6.5	10.0	12.7	12.1	10.0	9.7	5.7
10	.4	2.3	2.5	3.2	5.1	7.3	10.0	12.0	12.5	10.4	9.7	7.6
11	1.9	2.2	2.1	3.6	5.0	7.8	9.5	11.5	12.2	10.2	7.5	6.5
12	4.2	2.0	3.0	3.6	5.7	8.2	9.4	11.0	11.9	8.4	8.0	7.7
13	4.6	1.9	2.7	3.0	5.0	8.1	9.3	11.1	12.2	9.3	9.5	6.9
14	4.3	3.0	2.9	3.9	5.0	7.9	9.0	10.8	11.9	10.2	8.1	7.5
15	2.5	1.7	2.9	3.7	5.2	7.9	9.9	10.8	11.6	9.9	8.0	5.8
16	2.3	2.7	2.7	4.0	5.0	7.9	10.0	11.3	11.4	9.9	8.2	5.1
17	4.1	3.3	2.1	4.6	5.8	7.9	9.8	11.5	10.6	10.4	8.5	6.1
18	4.3	2.4	2.1	3.9	5.7	9.0	10.7	11.7	11.8	10.1	9.5	6.3
19	2.3	2.4	2.8	4.0	5.9	8.0	10.3	12.7	11.6	9.9	9.0	5.5
20	4.3	2.6	2.7	5.5	6.2	8.7	9.9	11.5	11.6	10.4	9.1	5.0
21	3.4	1.8	2.5	5.2	5.2	8.2	9.1	11.2	11.8	10.5	9.3	5.5
22	2.4	2.4	3.0	5.4	5.6	8.9	9.4		11.7	10.5	9.8	5.9
23	1.8	2.3	3.0	4.7	5.6	8.2	10.8	11.2	11.5	10.2	9.9	5.9
24	1.5	2.3	3.0	5.1		9.2	9.7	12.6	12.7	10.1	9.5	6.3
25	1.3	2.4	2.9	5.1		11.5	10.0	11.6	10.7	10.0	9.8	6.4
26	2.6	3.5	3.0	5.3		8.8	9.8	11.7	10.8	9.9	7.7	5.4
27	3.1	2.6	3.1	4.7		10.3	9.8	11.1	11.0	9.9	6.7	4.3
28	2.4	3.1	3.4	4.6		8.9	10.2	12.2	18.6	9.4	7.2	4.4
29	2.4		3.2	4.6		8.9	10.0	12.8	11.1	10.8	8.1	4.6
30	.7		3.1	4.8	8.8	9.7	10.6	11.9	10.6	10.1	8.0	6.0
31	1.3		3.3		7.4		10.8	12.7		9.9		5.4
Mean	2.8	2.2	2.7	4.0	5.5	8.1	10.0	11.6	11.5	10.2	98.9	5.9

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada

Locality.....SOUTH WEST HEAD, GRAND MANAN..Year.1922,.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept	Oct.	Nov.	Dec.
1	5.4	2.4	4.3	3.1	4.4	6.6	8.3	10.5	12.3	10.9	9.0	6.1
2	4.9	2.7	6.1	3.1	4.4	7.3	8.1	10.7	11.7	11.2	9.4	6.7
3	4.7	3.1	2.2	3.5	4.3	7.9	8.8	10.8	12.4	11.6	8.5	7.4
4	4.4	2.8	1.6	3.4	4.6	7.3	8.4	10.2	11.7	11.7	8.5	6.8
5	4.6	3.7	3.4	2.2	5.6	7.4	8.8	10.7	12.6	11.8	9.1	6.9
6	5.0	3.9	2.6	2.2	4.2	7.0	8.6	11.3	11.4	11.7	9.7	7.2
7	6.2	3.4	3.0	3.5	5.6	7.0	8.8	10.5	11.6	11.5	8.9	7.7
8	5.1	2.1	3.0	3.4	7.0	7.0	8.4	9.9	11.2	10.9	8.7	7.7
9	5.5	2.6	2.3		6.3	6.8	8.5	10.3	11.1	11.4	8.2	4.6
10	4.4	1.6	3.1		6.3	7.0	9.4	11.8	10.4	11.4	7.7	5.0
11	3.7	3.6	2.5	4.1	6.4	7.1	9.2	10.1	11.4	11.4	9.1	4.9
12	4.7	4.4	2.5	3.3	5.4	7.9	9.1	10.7	12.1	10.5	9.1	5.2
13	6.3	3.8	1.2	3.4	6.0	7.0	9.1	11.2	12.3	9.8	8.1	6.5
14	6.5	3.0	0.9	3.6	7.8	6.9	9.9	11.5	12.1	8.7	7.7	6.2
15	6.1	2.3	0.8	3.3	7.1	8.1	10.0	11.5	12.6	9.8	8.5	6.0
16	5.0	2.9	2.0	4.1	7.0	8.0	9.7	11.1	11.2	11.1	8.7	3.1
17	4.0	2.5	11.1	3.4	6.6	8.3	9.4	10.9	11.7	11.4	8.6	2.0
18	5.6	3.2	1.1	3.6	5.7	8.4	9.1	10.7	11.6	11.3	8.0	4.0
19	5.1	1.1	1.3	3.3	6.8	7.5	9.5	10.9	11.9	11.1	8.2	4.2
20	4.2	0.5	11.9	3.5	6.5	8.1	9.7	10.9	12.7	11.0	8.0	4.7
21	4.4	0.7	2.0	5.0	5.8	7.7	10.0	10.4	12.6	10.9	7.7	5.5
22	5.2	1.5	1.4	5.2	6.7	7.7	9.7	12.2	11.8	10.6	8.1	5.5
23	4.3	2.6	1.5	3.7	6.1	8.2	9.1	11.6	12.1	10.5	7.4	5.3
24	3.8	2.2	1.6	4.5	5.7	8.2	9.6	11.3	12.7	10.5	8.4	6.0
25	4.0	1.7	2.1	3.7	5.2	8.7	10.1	10.9	11.5	10.4	8.1	6.0
26	2.9	1.5	2.3	3.6	5.1	9.5	9.9	12.9	11.6	10.7	8.6	6.1
27	3.6	2.2	2.5	4.1	6.6	7.6	9.8	11.5	11.5	11.3	4.3	5.4
28	4.2	2.2	2.7	3.1	6.2	8.1	9.8	11.7	10.1	11.2	5.6	5.8
29	3.9	2.0	2.4	4.7	6.4	9.0	9.6	12.6	11.2	11.0	4.3	5.3
30	4.5		2.0	5.3	6.9	8.1	9.9	13.1	11.2	10.8	6.5	5.3
31	3.4		3.1		6.6		10.1	13.7		9.0		6.6
Mean	4.7	2.5	2.3	3.7	6.0	8.0	9.3	11.3	11.8	10.9	8.0	5.6

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,
Atlantic Coast of Canada.

Locality..... ~~Sourher~~ Lightship..... Year.... 1929...

Day of the month.	Locality..... Sourher Lightship..... Year.... 1929...											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						7.4	9.5	11.2	11.5	13.5	11.5	6.7
2					4.6	7.4	9.5	11.3	11.4	12.5	13.0	6.4
3					4.4	7.6	9.7	11.5	11.0	14.0	10.0	6.1
4					4.7	8.2	10.0	10.1	10.5	14.5	11.8	6.4
5					4.8	6.4	9.5	10.0	11.1	14.0	10.5	6.7
6					5.2	7.5	9.1	10.7	10.3	12.5	10.1	7.0
7					4.8	7.0	9.0	10.9	10.9	14.3	10.1	7.0
8					4.8	7.4	9.1	10.9	11.0	13.8	10.5	7.7
9					5.0	7.7	9.1	10.9	11.1	11.7	11.0	6.6
10					5.0	7.4	9.3	10.9	11.1	9.4	10.3	6.1
11					5.5	7.7	9.1	11.0	10.8	10.0	9.5	5.2
12					5.5	7.4	9.4	11.0	11.3	12.3	9.0	5.3
13					5.2	7.8	9.9	11.5	10.5	11.1	8.5	6.4
14					5.3	8.1	10.1	11.9	11.0	11.3	7.8	6.8
15					5.7	7.8	9.9	11.7	11.1	11.8	8.0	6.1
16					5.6	8.2	10.0	11.3	11.3	13.3	7.7	5.9
17					5.5	8.0	10.9	12.0	11.4	12.1	7.5	5.3
18					5.6	8.5	110.2	11.9	11.1	10.5	7.6	6.5
19					6.0	9.2	10.0	11.5	12.4	10.9	7.4	6.5
20					5.6	8.8	9.7	11.8	12.4	10.6	6.5	5.8
21					5.6	8.6	9.8	11.8	12.5	11.5	6.4	6.0
22					5.9	8.7	9.7	11.2	13.1	13.4	6.2	4.5
23					6.6	8.4	9.6	11.0	13.4	12.0	6.1	4.9
24					5.9	8.3	9.9	10.8	11.7	13.5	6.1	5.8
25					6.2	8.6	10.0	11.5	12.5	11.9	6.1	5.1
26					6.4	8.8	9.9	11.3	14.5	11.1	6.0	5.8
27					6.8	9.6	10.0	11.7	14.5	12.0	7.2	5.8
28					7.1	9.6	10.1	11.5	13.7	10.3	6.7	6.0
29					7.3	9.0	10.0	11.6	13.9	9.5	5.5	5.6
30					7.7	9.3	10.1	11.7	13.4	10.9	5.5	5.5
31					7.5		10.7	11.1		11.5		6.3
Mean					5.5	8.2	9.7	11.2	11.8	12.0	8.3	6.0

BIOLOGICAL BOARD OF CANADA

Daily and Mean Monthly Temperatures,

Atlantic Coast of Canada.

Locality..... Inarher Lightship..... Year..... 1930.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.5	4.8	4.2	5.6	5.6	7.0	9.7	12.0	13.6	13.8	10.8	6.8
2	5.7	4.7	4.0	4.7	5.9	7.0	9.8	12.2	12.3	13.0	9.0	4.5
3	7.3	4.3	4.5	5.1	5.8	7.4	10.0	12.9	13.0	12.5	9.5	4.3
4	5.6	3.2	4.7	4.5	6.0	7.8	10.4	12.5	12.6	12.8	9.5	4.3
5	4.4	2.9	5.0	3.9	5.8	8.3	11.2	12.7	13.0	11.0	11.3	4.0
6	5.5	2.2	5.6	4.4	6.4	8.2	11.0	12.8	12.8	11.5	10.0	4.2
7	6.4	3.1	5.2	4.6	6.6	7.9	10.1	13.2	13.4	12.3	5.5	5.9
8	6.0	2.9	3.8	5.1	6.7	7.7	11.0	12.8	13.4	12.8	7.0	4.4
9	6.4	2.9	5.6	4.4	6.7	8.1	11.2	12.6	12.6	12.0	6.3	4.3
10	5.7	3.3	5.6	4.1	6.1	8.4	11.5	12.0	12.8	12.0	5.0	4.2
11	4.9	2.3	5.5	4.7	6.6	8.8	11.5	12.2	12.3	11.8	4.0	4.0
12	3.9	2.7	4.7	4.9	6.4	8.4	10.6	12.0	12.3	12.3	5.5	4.6
13	6.3	4.3	4.7	5.0	6.3	8.6	11.4	12.1	12.0	14.3	6.0	4.3
14	5.5	3.5	2.4	5.1	6.4	8.5	11.2	11.8	12.4	13.8	8.5	4.4
15	5.5	3.3	4.2	4.9	6.2	8.9	11.2	12.4	13.0	13.5	8.5	4.1
16	3.8	3.0	5.1	4.6	6.5	9.0	12.0	12.6	13.2	14.0	9.0	4.1
17	4.0	2.3	4.8	4.5	6.8	9.1	11.4	12.0	13.5	13.0	7.8	4.4
18	4.7	3.7	3.7	4.7	6.8	9.5	12.0	12.4	13.3	13.0	7.0	3.5
19	4.4	3.8	4.5	5.2	7.4	9.5	11.3	13.0	13.4	12.8	6.0	3.8
20	5.0	4.1	4.3	5.6	7.0	9.9	11.9	12.3	15.6	11.3	7.0	4.5
21	4.8	3.7	3.5	4.8	7.0	9.9	12.0	12.8	17.5	10.0	9.0	3.1
22	4.5	3.7	4.2	5.0	7.3	9.9	12.0	12.5	14.5	9.5	9.0	4.5
23	4.0	3.5	4.3	4.5	7.7	10.2	12.5	12.1	13.6	10.0	8.8	5.0
24	4.0	3.7	4.5	3.7	7.6	10.4	12.3	12.5	14.0	9.8	7.5	4.5
25	3.9	3.5	5.3	4.9	7.9	10.1	11.8	12.3	14.1	10.0	8.0	5.0
26	3.1	2.0	6.2	5.2	7.2	9.8	11.8	12.1	14.5	9.3	6.3	5.0
27	3.4	2.6	5.7	5.4	7.2	9.9	11.8	11.8	14.8	9.5	5.1	4.3
28	5.1	2.9	5.6	5.2	7.2	9.9	12.0	11.4	14.9	10.3	4.0	4.0
29	3.8		5.3	5.6	7.1	9.9	11.8	11.3	14.5	10.5	4.5	5.0
30	4.6		5.3	5.5	7.0	9.4	12.0	11.9	14.8	11.0	4.3	4.3
31	4.4		6.0		7.4		12.0	12.2		11.0		4.8
Mean	4.8	3.3	4.7	4.8	6.7	8.9	11.4	12.3	13.4	11.7	7.3	4.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....Karsber Lightship.....Year.....1931.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.0	3.0	4.3	4.4	6.0	8.9	10.5	11.4	13.3	13.0	11.6	10.0
2	3.8	3.0	4.4	4.8	5.9	8.8	11.0	11.5	13.8	13.8	11.3	8.8
3	4.3	3.8	5.2	4.8	6.0	9.0	11.4	11.4	13.5	13.9	11.4	8.8
4	5.0	4.2	4.3	5.0	5.8	9.3	11.1	12.3	13.4	13.5	11.1	10.0
5	4.5	4.0	4.0	5.1	6.3	10.0	11.8	12.5	13.8	14.7	10.8	9.0
6	5.3	4.1	4.5	4.9	7.0	9.8	12.2	13.1	13.3	15.0	10.5	8.5
7	3.0	2.7	4.3	4.4	7.0	8.3	10.6	13.6	13.5	13.3	9.8	9.0
8	33.0	3.5	4.3	4.7	6.8	9.0	11.0	12.9	13.5	14.2	12.1	7.0
9	4.3	4.3	4.3	5.0	7.1	9.4	11.5	13.4	15.7	14.3	11.1	7.5
10	4.5	4.0	4.0	5.1	7.1	9.1	12.0	13.5	15.5	12.6	11.5	10.0
11	4.0	3.1	4.0	4.8	6.7	9.1	12.0	13.5	17.0	12.3	11.0	8.1
12	4.3	3.0	4.1	4.6	6.7	9.0	12.1	13.7	16.5	11.5	11.0	8.9
13	5.0	3.9	4.6	4.8	7.1	9.3	12.0	13.1	16.0	11.3	11.3	9.0
14	4.8	4.7	4.5	5.1	7.0	9.5	12.0	12.7	16.0	11.5	10.9	8.9
15	3.5	3.1	4.5	4.6	7.0	9.5	12.6	13.2	16.0	11.8	10.4	7.5
16	3.3	4.2	4.4	5.1	7.7	9.3	12.6	13.0	15.5	13.3	10.5	7.4
17	4.3	4.0	4.0	5.0	7.5	9.2	11.9	12.7	15.0	14.0	11.0	7.7
18	4.8	4.0	3.5	5.0	7.6	9.8	12.2	12.4	15.5	13.0	11.0	7.6
19	4.5	3.9	3.8	5.5	7.0	9.1	12.1	12.3	13.3	12.4	11.0	7.9
20	4.3	3.1	3.9	5.7	7.4	9.5	12.3	13.0	13.6	13.3	10.8	7.3
21	4.3	3.9	4.1	5.7	7.6	9.1	12.2	12.8	14.5	13.4	12.0	7.1
22	3.8	4.4	4.5	5.9	7.9	9.4	12.3	12.5	14.5	12.5	11.0	7.9
23	3.0	4.2	4.5	6.0	8.1	10.7	12.8	12.8	15.0	14.0	11.1	7.7
24	3.2	4.0	4.6	6.1	8.5	10.0	12.5	12.2	14.8	13.3	11.3	7.6
25	2.8	4.0	4.0	5.5	8.1	10.5	12.6	12.2	13.3	12.9	11.0	7.8
26	4.5	4.1	4.1	6.0	8.7	10.6	13.1	12.0	13.1	12.3	10.0	8.9
27	4.3	3.8	3.8	6.1	8.7	10.5	13.4	12.2	13.8	12.1	9.6	4.8
28	3.9	4.1	4.0	5.5	8.6	10.0	13.5	12.3	13.5	12.8	9.3	5.0
29	4.0		4.1	5.7	8.4	10.1	13.2	14.1	13.1	12.4	9.8	6.3
30	3.0		4.4	5.7	9.5	10.5	12.6	14.5	13.0	12.3	10.0	6.4
31	3.0		4.5		9.0		12.1	13.8		11.5		5.9
Mean	4.0	2.8	4.2	5.2	7.2	9.4	12.1	12.8	14.5	12.9	10.7	7.9

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality..... Lurcher Lightship.....Year.....1932.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.8	4.2	3.2	5.3	6.0	8.0	8.8	12.5			10.0	7.5
2	5.8	4.3	2.3	4.8	6.5	8.6	10.3	12.3			10.0	8.4
3	5.4	4.9	1.6	4.9	5.8	8.4	9.5	10.7			9.7	8.5
4	5.1	4.5	2.6	3.9	6.5	8.2	10.0	11.9			9.5	8.3
5	5.3	4.4	2.8	4.0	5.9	8.1	10.5	11.4			10.2	8.5
6	6.3	4.3	3.0	4.5	5.8	8.0	10.4	11.1			10.3	8.2
7	7.0	4.8	3.5	4.7	5.6	8.1	10.2	12.1			10.3	8.7
8	6.5	4.3	3.2	4.1	6.1	8.0	10.2	11.7			9.8	8.3
9	6.0	4.0	2.8	4.3	6.3	8.3	10.4	11.1			9.1	6.6
10	5.8	4.2	2.8	4.5	6.5	8.3	10.2	11.5			9.5	6.5
11	5.0	4.4	3.4	5.0	7.4	8.3	10.4	11.5			9.0	6.0
12	5.3	5.2	3.1	5.1	7.5	8.6	10.7	11.5			9.1	6.5
13	6.6	5.3	3.0	4.9	7.0	8.9	11.0	11.4			9.0	6.5
14	6.8	4.0	3.0	5.1	6.9	9.1	10.8	11.7			9.0	7.1
15	5.8	3.5	2.8	5.2	7.0	9.3	11.4	11.4		10.2	9.8	6.9
16	5.8	3.5	2.3	4.8	7.1	9.6	10.5	10.6		10.8	9.5	5.0
17	5.8	3.3	3.5	5.1	7.1	9.5	10.2	10.8		11.2	10.0	5.0
18	6.3	3.3	4.3	5.1	7.0	8.8	11.0	10.6		12.0	9.0	5.5
19	5.8	2.3	4.1		6.9	9.3	10.6	11.7		11.8	8.8	6.5
20	5.4	2.4	3.8		7.0	8.8	10.4	10.8		11.8	8.0	5.8
21	5.3	2.3	3.5		7.0	8.9	10.6	11.3		11.1	9.0	6.4
22	5.1	4.1	4.8		7.1	9.0	11.0	11.6		11.1	8.9	6.8
23	5.1	3.4	4.4		7.0	9.1	10.6	11.8		11.0	8.4	6.3
24	5.6	2.3	4.3		7.2	9.0	10.6	11.6		11.0	9.1	6.1
25	5.4	2.3	4.6		7.4	9.1	10.9	11.5		11.1	8.9	6.7
26	5.2	2.3	4.5		7.4	9.6	11.1	11.4		11.3	9.0	6.8
27	5.6	3.0	4.9		7.2	9.3	11.1	11.5		11.4	7.1	6.5
28	5.8	4.0	4.7		7.1	9.4	11.9	12.0		11.0	7.3	6.0
29	5.4	3.3	4.5	5.4	7.4	10.0	12.1	12.0		10.5	8.0	6.3
30	5.6		4.5	5.3	7.7	10.5	12.3			10.7	8.0	6.8
31	5.0		4.5		8.0		12.1			10.1		7.1
Mean	5.7	3.7	3.6	4.8	6.9	8.9	10.7	11.5			9.1	6.8

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

Locality..... St. Andrews, N. B. Year.... 1929...

May of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.7	2.0	1.5	2.1	4.9	9.7	10.7	12.6	12.6	11.9	8.6	3.7
2	5.7	2.0	1.6	1.6	5.8	9.1	11.0	12.9	13.0	11.6	8.9	4.4
3	3.5	1.0		2.5	6.1	7.6	10.8	12.8	12.9	11.8	8.4	4.2
4	3.3	0.9	2.4	2.7	6.4	7.6	10.6	11.7	12.8	11.6	8.5	3.7
5	3.1	0.6	2.4	3.0	7.2	7.8	10.5	12.3	12.7	11.2	8.3	3.8
6	3.5	1.0	1.7	2.8	7.7	7.7	10.9	12.1	12.6	10.7	8.1	3.7
7	3.7	1.1	1.9		6.1	7.7	10.4	11.9	12.7	11.4	8.2	3.6
8	1.9	1.2	1.8	2.9	5.4	8.8	11.2	11.8	12.6	11.0	7.8	2.3
9	1.8	2.5	1.1	2.9	4.8	8.5	11.2	12.0	12.8	10.2	7.8	2.9
10	2.2	2.2	1.0	2.6	6.2	8.5	10.7	12.1	12.4	10.0	7.2	2.7
11	3.4	1.8	-1.0	2.9	6.1	8.4	11.2	11.5	12.9	10.1	7.7	2.0
12	8.5	1.0	0.9	2.6	6.4	8.5	11.7	12.2	12.7	10.2	7.9	2.0
13	2.1	1.0	1.3	1.9	6.3	9.0	11.8	12.5	12.4	10.2	7.8	2.0
14	1.2	0.9	1.7		6.0	9.7	11.6	12.5	13.0	10.7	7.9	2.8
15	1.3	0.9	1.8	3.5	6.2	8.5	11.4	12.6	12.6	10.4	8.0	2.7
16	1.4	0.5	1.6	2.9	6.4	9.7	12.9	13.5	13.3	10.1	7.3	1.7
17	1.8	1.3	1.7	3.5	7.1	10.9	12.6	13.7	13.0	10.9	7.1	2.1
18	3.1	1.3	0.2	3.4	6.4	10.0	12.8	12.5	13.1	9.5	7.1	1.6
19	3.2	1.6	1.5		5.6	10.0	11.7	12.8	12.5	9.4	7.2	2.1
20	3.2	1.0	2.4	3.1	5.9	9.8	12.3	12.8	12.0	9.6	7.8	2.4
21	1.7	0.8	2.3	3.3	5.6	9.3	12.6	12.5	11.8	9.7	6.5	1.6
22	1.1	1.0	3.0	2.7	6.1	10.1	12.8	12.7	11.9	9.9	6.2	1.3
23	1.3	1.1	2.5	3.1	6.6	10.2	12.3	12.2	12.0	9.8	5.6	1.1
24	1.3	1.3		3.4	6.6	9.7	12.8	12.7	12.1	9.9	5.9	1.6
25	1.0	1.3	2.1	3.3	7.0	10.1	12.0	12.6	12.0	9.7	5.8	1.2
26	0.9	1.4	2.4	4.4	7.4	10.8	12.4	13.0	12.3	9.4	5.1	0.8
27		2.4	2.3	3.5	8.1	11.1	12.0	13.0	11.9	9.5	5.7	1.6
28	0.7	2.0	2.2	4.9	8.6	10.6	11.8	13.7	12.1	9.0	5.5	1.6
29	0.5		2.1	4.3	10.1	9.8	11.9	13.3	12.1	9.4	4.6	2.0
30	1.2		1.7	4.3	10.8	11.1	13.8	13.3	12.1	8.4	4.3	1.6
31	1.9			10.4			12.8	12.9		8.5		1.6
Mean	2.2	1.3	1.7	3.1	6.8	9.4	11.7	12.6	12.5	10.2	7.1	2.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....A. N. S...St. Andrews, N.B.....Year...1930,....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.7	-0.5	-0.5	1.8	5.0	8.0	10.9	11.9	14.3	12.5	9.5	7.6
2	2.1			1.9	4.9	7.9	10.3	12.1	14.4	12.3	9.4	6.0
3	2.0	-0.1	0.1	2.0	5.4	7.3	11.5	11.6	13.9	12.7	9.5	5.8
4	2.0	-0.2	-0.5	2.1	5.2	8.9	11.8	13.4	14.1	11.9	9.5	5.5
5	0.8	-0.2	-0.2	2.2	5.1	8.9	12.2	13.9	14.0	11.7	9.7	5.4
6	1.2	-1.1	0.6	2.5	5.4	8.3	11.2	13.6	14.1	11.3	9.4	4.9
7	2.0	-1.0	0.7	2.8	6.2	8.5	11.8	13.5	14.0	11.7	8.4	6.1
8	2.3	-1.0	0.7	3.1	6.3	9.0	12.3	13.1	13.5	11.7	8.6	5.9
9	2.0			3.4	6.4	9.4	12.6	12.6	13.0	11.7	8.5	5.8
10	0.7	-0.6	1.1	3.2	6.7	10.4	12.6	13.8	12.9	11.4	8.4	5.9
11	0.1	-0.8	1.1	4.0	6.0	10.0	11.9	13.1	12.9	11.7	8.2	5.1
12	0.8	-1.0	1.7	4.2	6.5	10.1	12.0	12.7		11.8	8.5	5.8
13	0.9	-0.3	1.6	3.5	7.1	9.8	12.1	12.7	12.7	11.0	8.7	5.8
14	0.9	-0.1	0.8	4.3	7.0	10.3	11.5	12.6	12.7	12.0	8.7	5.2
15	0.9	-0.6	-0.1	3.0	6.7	11.8	12.1	12.5	12.5	11.9	8.2	4.5
16	0.9			3.8	6.8	11.1	12.8	12.4	13.1	11.0	8.6	3.2
17	0.3	-1.2	0.1	2.8	7.7	10.9	12.7	13.4	13.2	12.0	8.4	3.4
18	0.3	-0.8	0.1	3.2	7.4	10.4	13.0	13.0	13.9	12.0	8.2	3.4
19		-0.6		3.7	7.3	10.2	12.6	12.9	13.1	11.5	8.0	4.1
20	0.1	-0.1	0.3	3.6	7.1	11.0	12.8	13.4	12.6	11.1	8.0	4.3
21	0.5	0.2	0.7	3.9	6.8	10.6	12.7	13.1	12.7	11.8	8.1	3.4
22	-0.5	0.3	0.3	3.5	8.0	11.3	13.0	13.8	13.1	10.7	8.4	3.9
23	-0.5			3.4	7.5	10.9	12.9	12.6	12.7	10.7	8.2	4.1
24	-0.2	0.7	0.6	2.8	8.1	11.6	13.0	13.4	12.5	10.6	8.2	3.9
25	0.2	0.6	0.9	3.4	7.0	11.7	13.0	13.7	12.6	10.4	8.7	3.6
26		-0.3	1.1	4.2	7.8	12.6	12.8	13.8	12.7	10.1	8.0	3.8
27	-0.7	-0.2	1.3	4.0	7.3	12.0	13.4	13.9	12.7	9.9	7.4	4.0
28	-0.3	-0.3	1.5	3.9	7.8	11.3	12.6	13.4	12.9	10.1	7.1	3.6
29	0.1		1.4	4.3	8.2	11.5	11.9	13.7	12.5	10.2	6.6	3.7
30	-0.3			4.3	7.5	10.8	12.5	13.6	12.6	10.1	7.0	3.5
31	-0.2		1.7		7.9		12.8	12.2		9.9		3.3
Mean	1.3	-0.3	0.7	3.3	6.8	10.2	12.3	13.2	13.2	11.3	8.4	4.6

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,
Atlantic Coast of Canada.

Day of the month.	Locality..... A. R. R. St. Andrews, N.B. Year..... 1931....											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.4	1.6	1.0	2.9	4.5	8.2	11.0	12.3	13.7	11.5	9.5	7.6
2	3.2	2.2	1.2	3.2	4.7	8.4	11.8	12.6	13.0	11.8	9.4	6.9
3	3.4	1.6	1.4	3.3	4.7	8.7	11.9	12.1	13.2	11.6	9.0	6.5
4	4.0	2.1	1.3	2.8	5.2	8.7	11.6	12.9	13.2	11.6	9.4	7.1
5	3.0	1.9	1.0	2.7	4.9	8.8	12.1	13.4	13.4	12.2	8.7	5.6
6	3.2	2.0	1.1	3.2	5.4	8.5	11.4	13.2	13.1		8.6	5.3
7	3.7	1.1	1.0	3.0	5.8	9.4	10.5	13.4	13.4	11.7	8.6	6.2
8	2.5	1.6	1.3	2.5	5.8	8.6	10.8	13.9	12.9	12.1	8.2	2.1
9	2.4		1.0	3.2	6.4	8.6	10.9	12.9	12.5	11.3	8.8	4.7
10	3.0	1.6	1.0	3.8	5.6	8.8	11.2	12.8	13.5	11.3	9.1	6.0
11	2.4	1.5	1.1	3.9	5.3	10.3	12.2	13.0	13.1	11.2	8.8	5.1
12	2.3	2.0	1.3	3.9	6.3	9.8	12.9	12.9	13.1	10.4	8.4	6.0
13	2.8		1.6	3.7	5.8	10.0	14.7	13.1	13.3	10.4	9.1	5.4
14	2.1	2.9	1.6	3.5	6.0		12.6	13.4	13.4	10.6	8.4	6.2
15	2.8	1.5	1.6	3.1	7.1	10.0	12.5	13.2	13.4	10.5	8.1	5.2
16	2.9	1.8	1.6	3.1	6.4	11.1	12.4	12.9	13.1	20.0	8.4	4.9
17	3.2	2.1	1.5	3.6	6.3	10.4	12.1	13.1	12.9	10.7	8.6	4.7
18	2.4	2.4	1.7	3.9	6.5	10.6	11.9	13.4		10.3	8.8	4.4
19	3.6	2.1	1.5	4.0	5.6	10.6	11.9	13.4	12.0	10.5	8.5	4.2
20	3.3	2.1	1.6	4.4	6.6	10.0	11.6	13.3	12.9	10.5	8.1	4.0
21	3.4	2.1	1.9	4.5	7.1	10.0	11.6	13.3	12.6	10.5	8.9	3.5
22	3.9	2.5	1.9	4.7	6.7	9.9	12.0	13.5	12.7	10.3	9.2	4.5
23	3.0	1.6	2.0	5.2	7.5	9.9	12.6	14.4	12.5	10.6	9.4	4.4
24	2.5	0.7	2.1	5.1	7.4	9.7	12.1	13.6	12.2	10.8	9.0	4.8
25	2.2	0.7	2.3	4.7	7.5	10.3	13.6	13.6	11.6	10.5	9.1	5.0
26	3.0	1.2	2.3	4.3	7.4	9.6	14.2	13.1	11.7	10.1	7.8	3.6
27	3.3	0.7	2.4	4.4	9.4	10.0	14.1	13.7	11.5	9.8	7.3	1.6
28	2.8	1.1	2.9	4.9	9.5	10.0	13.5	13.4	11.5	9.4	7.2	1.8
29	3.0		2.3	4.7	9.3	10.2	14.0	13.6	11.3	9.7	7.9	2.7
30	2.2		2.9	4.8	9.3	10.6	14.5	13.5	11.3	10.1	7.4	3.3
31	2.1		3.2		8.6	13.3	13.3	13.7		9.6		3.6
Mean	2.9	1.7	1.7	3.8	6.6	9.3	12.4	13.4	12.7	10.8	8.6	4.7

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada,

Locality..... St. Andrews, N. B. Year..... 1932.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.5	1.0	0.6	2.8	4.3	9.1	11.6	12.6	14.0	11.6	9.2	5.5
2	3.2	1.6	1.2	2.0	5.8	8.8	10.7	12.2	14.1	12.0	9.0	5.4
3	3.4	1.8	0.6	2.8	5.2	9.2	10.7	12.4	13.4	12.1	9.6	5.6
4	2.6	1.0	0.6	2.0	5.4	9.6	11.1	11.8	13.3	12.2	8.3	5.5
5	2.5	0.8	0.7	1.8	4.9	9.7	10.3	12.7	13.2	12.4	9.1	5.9
6	3.1	1.4	0.8	2.1	4.6	8.2	11.0	12.8	13.5	12.3	9.0	5.6
7	3.9	1.4	1.3	2.7	5.6	8.0	10.5	13.0	13.4	12.6	9.0	6.3
8	3.0	1.3	1.1	2.8	5.5	7.9	10.0	12.5	13.0	12.5	8.8	6.3
9	3.3	0.7		3.5	6.4	7.6	10.4	12.8	12.6	12.5	8.2	4.6
10	3.2	0.9		3.7	7.7	8.0	11.1	12.4	12.9	12.4	8.2	4.8
11	2.5	1.2		3.9	6.2	8.1	10.7	12.7	12.6	12.3	8.4	4.0
12	3.1	1.8	0.5	3.4	6.9	8.6	11.2	13.5	12.9	11.9	8.5	4.8
13	3.8	1.6	0.0	3.3	7.0	8.3	11.2	12.9	12.9	11.3	7.5	4.1
14	4.0	1.5	0.2	4.0	6.5	8.1	11.7	13.3	12.6	11.1	7.6	3.8
15	3.9	0.7	0.2	3.7	6.6	9.6	11.5	13.3	12.7	11.1	7.6	3.9
16	3.2	0.8	-0.1	3.1	6.7	8.8	11.7	13.2	13.0	11.2	8.1	3.8
17	2.5	1.3	0.0	2.9	7.6	9.0	11.3	12.8	13.0	11.6	8.2	2.1
18	3.3	1.2	0.6	2.9	7.4	8.8	10.8	13.2	13.2	11.5	7.4	3.1
19	2.7	0.4	0.7	3.2	7.1	9.2	11.3	13.0	12.5	11.5	7.5	2.7
20	2.7	-0.8	0.4	3.7	6.7	9.2	11.3	13.6	12.4	11.2	7.6	3.0
21	2.6	-0.9	0.3	3.9	6.2	9.0	11.8	14.0	12.9	11.2	7.0	3.8
22	3.0	-0.4	0.2	4.3	6.2	8.9	11.3	13.2	12.7	10.9	7.1	3.5
23	2.8	-0.4	0.3	3.6	6.0	9.1	10.9	13.6	12.8	10.8	6.7	3.5
24	3.1	-0.5	0.2	3.7	5.8	9.4	11.2	13.4	13.0	10.3	6.9	3.4
25	2.7	-0.3	0.9	3.4	6.7	9.7	12.2	12.8	12.7	10.6	6.3	3.0
26	2.7	0.2	1.0	3.7	6.3	9.5	12.6	13.0	12.5	10.6	7.0	4.0
27	3.3	0.2	1.6	3.7	6.3	9.2	11.8	14.2	12.5	11.0	4.5	3.8
28	2.5	0.4	1.4	4.1	5.7	10.3	12.1	13.6	12.7	10.8	4.4	4.0
29	2.5	0.2	1.0	4.2	6.8	11.4	13.4	14.0	12.5	9.8	5.2	3.7
30	3.1		1.5	4.5	7.1	10.8	13.4	14.3	12.1	9.7	5.6	4.2
31	1.8		2.0		8.2		12.4	14.0		9.1		4.3
Mean	3.0	0.7	0.7	3.3	6.3	9.0	11.4	13.1	12.9	11.4	7.6	4.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Day of the month.	Locality..... Sambre Island.....Year. 1929.....											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						6.1	9.6	7.1	14.6	12.9	8.5	4.5
2						7.3	10.1	7.1	14.5	14.0	7.8	3.8
3						7.3	11.0	6.3	13.0	14.4	7.8	3.9
4						7.6	8.9	6.0	13.0	14.0	7.5	3.8
5						8.5	7.9	6.3	14.0	13.1	6.5	3.0
6					3.8	8.0	6.9	6.4	15.9	13.0	6.0	3.6
7					3.6	8.0	6.3	6.6	15.8	12.1	7.6	4.6
8					4.0	8.4	6.4	6.3	14.6	11.5	8.6	4.6
9					3.6	8.8	5.3	6.3	16.0	9.0	8.3	4.0
10					3.9	8.0	6.9	8.1	16.1	7.4	7.5	2.1
11					4.9	6.8	7.9	9.1	16.5	7.3	8.0	1.6
12					4.0	8.4	10.6	10.1	14.3	7.1	8.5	2.3
13					4.1	7.6	10.5	8.5	14.5	8.1	8.0	2.5
14					3.6	8.0	8.1	8.6	15.1	7.9	8.8	4.3
15					3.5	8.0	7.5	8.9	14.3	8.0	9.5	3.9
16					3.1	10.8	10.0	10.9	10.5	10.5	8.3	1.5
17					3.9	10.0	10.5	11.4	13.0	12.0	8.0	1.5
18					4.0	7.8	8.5	12.4	12.9	11.0	7.8	2.5
19					3.5	9.4	7.4	12.0	9.1	9.3	8.9	3.3
20					3.8	11.8	6.9	12.1	10.3	10.9	7.8	3.5
21					3.9	11.1	9.0	13.0	10.8	11.3	6.9	2.6
22					4.4	11.5	8.4	13.9	11.6	10.8	7.1	1.5
23					4.8	12.5	7.3	14.4	13.0	12.4	6.5	1.0
24					5.4	10.8	7.0	15.4	13.5	12.9	7.3	2.1
25					5.3	11.4	6.6	15.0	12.6	11.8	7.8	2.1
26					5.0	10.3	8.6	16.0	11.3	9.6	5.5	1.8
27					5.6	7.5	8.5	16.0	10.3	7.5	7.3	1.9
28					6.8	10.3	9.4	15.4	12.8	6.3	7.5	2.5
29					6.6	10.5	8.9	15.8	13.8	3.5	6.1	2.5
30					5.8	10.4	7.1	15.0	13.8	4.1	4.4	2.3
31					6.1		7.4	15.1		6.3		2.0
Mean					2.4	9.1	7.7	10.8	13.5	10.0	7.5	2.8

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures

Atlantic Coast of Canada.

Locality.....Sable Island.....Year.....1930.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct	Nov.	Dec.
1	1.7	-.8	.3	2.4	5.3	6.6	9.8	13.4	19.0	15.4	10.6	6.4
2	2.7	-.3	.8	2.3	4.8	6.0	8.6	12.0	19.3	15.1	9.9	4.1
3	2.8	0.0	.6	2.1	4.5	6.4	8.0	11.6	18.4	15.0	10.3	1.4
4	2.3	-1.5	.3	2.0	4.1	7.0	8.3	9.5	15.8	14.5	10.1	5.5
5	.8	-1.0	.0	1.8	3.8	7.9	10.0	8.8	17.8	14.1	10.3	3.5
6	.5	-1.9	1.0	2.9	4.0	8.3	10.6	9.0	17.5	14.4	11.1	5.6
7	2.5	-.2	1.5	3.0	5.1	8.1	10.0	10.3	17.5	13.8	7.6	4.6
8	2.8	-.5	1.1	2.3	5.4	8.4	7.8	11.8	16.5	15.6	5.3	5.8
9	2.7	-1.1	1.5	2.4	6.0	7.1	8.0	11.8	17.0	14.0	8.1	5.0
10	-.5	-.3	1.8	2.3	5.3	7.4	7.3	11.5	16.5	14.1	8.1	4.9
11	1.5	0.0	1.8	2.3	4.8	9.0	9.3	13.0	15.8	14.1	4.4	3.3
12	-1.0	-1.3	1.8	3.3	5.5	9.3	9.5	13.0	14.5	14.6	5.4	4.5
13	.8	-.8	1.8	3.8	6.0	9.0	9.9	13.4	14.5	14.8	5.6	4.8
14	1.3	.5	1.3	4.3	5.6	7.8	11.4	14.5	14.4	14.8	7.0	2.0
15	1.5	.3	0.0	3.5	4.8	8.5	11.6	15.0	14.0	13.9	6.6	1.8
16	1.8	0.0	-.1	2.9	5.0	8.5	12.4	14.8	15.3	14.1	8.0	.5
17	0.0	-.8	-.3	2.7	5.6	8.0	13.3	14.8	16.9	14.0	6.6	0.0
18	-.3	-.8	-.1	2.6	6.5	8.4	10.4	15.4	17.1	14.0	7.5	1.8
19	.8	.5	1.0	2.6	6.8	8.6	9.8	16.3	15.6	12.6	7.3	2.8
20	-.8	.8	.5	2.3	5.0	9.4	8.5	16.6	15.3	11.8	7.3	4.4
21	-1.0	1.3	1.8	2.9	5.6	10.4	8.5	16.6	16.8	10.0	7.5	3.9
22	-.3	.4	.5	3.1	5.8	11.0	8.6	17.0	17.3	10.1	8.0	3.9
23	0.0	.8	1.0	3.5	7.0	8.6	9.4	17.0	15.8	10.4	7.8	3.8
24	-.3	1.3	1.9	2.4	6.3	8.5	11.3	17.8	15.1	10.8	7.4	3.3
25	-.1	1.3	2.8	2.4	6.1	8.9	10.8	17.6	15.0	10.6	8.0	2.0
26	-.8	.8	1.8	3.5	5.5	8.1	10.1	18.3	15.4	10.8	7.3	3.5
27	-1.0	-1.1	1.8	4.3	6.4	8.8	9.5	18.3	15.8	10.9	6.8	3.3
28	-.1	-1.0	1.5	4.0	6.5	11.0	12.0	18.8	16.0	10.9	6.0	2.8
29	.8		1.9	3.8	6.8	9.0	12.3	18.8	15.5	11.6	4.4	2.5
30	-.5		2.3	4.6	6.8	9.0	13.5	18.8	15.6	11.6	5.6	1.6
31	-.8		2.5		7.0		13.1	18.8		11.1		1.8
Mean	.6	-.2	1.1	2.9	5.5	8.4	10.1	13.8	16.2	12.9	7.5	3.1

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.
Atlantic Coast of Canada.

Locality.....Sable Island.....Year.....1931.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct	Nov.	Dec.
1	3.3	-0.8	1.4	1.3	4.0	9.8	13.8	9.8	18.6	12.8	10.8	6.5
2	1.6	-0.8	1.1	1.9	4.6	8.8	13.3	11.0	18.8	13.4	10.8	5.3
3	1.0	.8	.8	2.0	4.3	9.3	13.3	10.8	18.8	13.3	10.3	4.3
4	3.0	.8	.8	1.8	4.4	10.0	13.5	11.5	18.8	13.9	10.3	6.0
5	2.5	1.5	.5	1.6	5.1	11.6	14.3	11.5	18.6	14.4	9.3	4.8
6	2.6	.9	.8	2.3	5.3	12.1	15.5	13.0	19.0	14.5	8.0	4.5
7	2.6	0.0	.8	1.9	6.1	11.1	15.0	13.4	19.0	13.6	7.8	5.8
8	0.8	-0.4	.8	2.3	6.5	11.3	14.9	13.3	17.8	13.8	7.6	3.6
9	0.5	.9	.8	2.6	5.6	10.5	15.5	13.1	17.4	13.0	7.0	3.9
10	1.3	1.1	.9	3.1	5.4	10.5	16.0	13.6	17.8	13.3	7.6	5.0
11	1.0	.8	.8	3.1	5.0	10.6	17.5	13.6	18.1	13.1	7.1	5.0
12	1.4	-0.5	.8	3.1	6.3	10.9	17.0	14.5	17.6	12.3	7.3	5.3
13	2.5	.1	.8	2.8	5.5	10.6	14.3	16.0	17.5	11.1	8.8	5.1
14	2.5	1.3	.8	-3.6	5.3	11.4	12.5	16.0	15.8	10.5	8.0	5.3
15	1.0	-0.3	.9	2.5	5.8	11.9	11.9	17.5	13.3	11.0	7.9	4.9
16	-0.5	-0.1	1.1	2.6	6.1	11.3	11.6	18.3	11.5	12.3	8.3	2.9
17	-0.8	.5	.8	3.3	6.8	11.2	12.3	19.6	12.0	12.3	9.4	3.8
18	-0.8	1.3	.5	3.6	6.6	11.3	14.0	19.3	13.4	12.0	10.1	4.3
19	0.4	.6	.9	4.0	7.1	12.4	15.9	19.3	11.5	11.1	9.0	3.5
20	2.4	.3	.8	4.0	7.0	12.5	15.1	19.4	12.0	11.3	8.8	3.0
21	2.0	.9	.8	4.5	7.0	11.9	13.0	19.5	13.4	11.5	9.6	2.5
22	0.9	.9	1.4	4.8	6.5	13.4	12.3	18.9	13.4	11.5	9.8	4.3
23	-0.8	.8	1.8	4.8	6.0	13.3	12.3	18.4	13.3	11.6	9.1	4.5
24	-0.5	-0.3	1.1	5.3	7.0	12.4	11.5	18.3	14.0	11.3	9.5	4.5
25	-1.0	0.0	.8	6.0	7.5	13.6	12.8	19.0	12.9	11.5	9.6	4.5
26	1.0	.9	.6	5.5	7.9	14.0	11.6	19.3	12.0	11.6	7.5	3.5
27	1.5	1.0	1.1	5.8	7.9	12.5	12.1	18.8	13.0	11.0	5.9	1.3
28	1.6	1.4	1.3	4.6	8.8	10.9	10.5	19.1	13.5	10.9	6.1	1.6
29	0.5		1.3	4.0	9.0	12.1	10.3	19.1	13.5	10.8	6.6	2.0
30	1.0		1.6	4.4	9.1	13.1	9.0	19.5	12.8	11.5	6.8	2.0
31	-0.5		1.9		9.5		9.5	19.5		11.1		2.1
Mean	2.4	.5	1.0	3.5	6.4	11.6	13.3	16.3	15.3	12.2	8.4	4.1

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....Sambre Island.....Year.....1932.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	2.4	-0.5	-0.8	1.8	3.1	7.4	11.3	13.8	16.0	13.9	7.5	6.5
2	2.3	-0.4	-0.8	1.6	3.0	6.0	10.3	14.0	16.3	13.0	8.9	6.3
3	2.0	-0.3	-1.1	1.8	2.5	7.0	9.8	16.3	16.8	13.5	7.3	6.8
4	1.8	-0.0	-1.0	0.9	3.6	7.3	6.5	15.8	18.5	13.6	7.8	5.9
5	1.6	-0.3	-0.4	0.5	3.6	7.0	6.3	15.3	19.0	14.3	8.5	7.3
6	1.9	-0.4	-0.0	1.3	4.1	6.9	7.1	14.3	18.4	14.5	7.8	6.5
7	3.3	0.5	-0.5	1.8	4.3	6.9	8.9	15.6	17.0	15.0	8.6	7.0
8	2.8	-1.3	-0.5	2.3	3.9	7.9	8.5	15.5	17.1	12.1	8.0	7.6
9	2.8	-0.4	-1.0	2.5	3.0	8.0	8.4	15.0	17.6	11.3	7.5	4.5
10	2.0	-0.8	-1.3	2.3	4.5	7.1	9.3	16.4	16.8	13.3	7.9	4.3
11	0.6	-0.5	-1.0	1.8	5.1	7.6	9.9	15.5	15.1	13.3	9.3	1.5
12	0.8	0.6	-0.9	1.5	5.1	7.8	9.8	16.0	16.3	12.5	8.9	2.3
13	2.9	1.0	-0.9	2.0	4.8	8.1	11.0	12.5	15.9	9.9	8.1	4.5
14	3.3	-0.3	-0.9	2.3	5.3	6.8	11.3	14.3	15.8	7.3	7.6	4.0
15	3.3	-1.1	-1.3	2.3	6.3	8.4	11.0	16.5	15.8	6.8	8.5	4.3
16	1.6	-1.0	-1.4	2.0	7.0	8.3	11.6	16.5	16.5	7.9	8.4	2.4
17	0.6	-0.4	-1.1	2.4	7.3	7.5	11.4	16.3	15.9	9.8	9.1	1.5
18	2.1	-0.1	-0.9	2.1	6.6	9.3	11.8	18.1	15.5	9.5	7.9	1.5
19	2.1	-0.4	-0.6	2.6	7.3	9.8	12.0	16.8	15.5	8.5	7.8	1.5
20	1.8	-1.5	-0.5	2.5	6.5	9.8	12.0	15.8	15.0	9.5	8.4	2.8
21	1.3	-1.5	-0.9	2.8	5.8	10.5	13.0	16.3	15.8	10.5	7.9	3.0
22	0.5	-1.2	-0.5	3.5	5.3	10.9	14.3	17.5	15.6	10.8	7.8	4.8
23	0.9	-1.1	-0.3	3.5	5.0	11.0	15.6	18.8	15.9	9.8	6.5	3.3
24	2.4	-1.5	0.0	2.4	6.0	10.1	14.4	18.3	16.1	9.1	7.0	4.0
25	0.8	-1.4	0.5	2.8	6.5	8.9	15.0	17.5	15.4	10.0	7.1	4.0
26	0.3	-1.0	0.9	1.9	5.5	7.4	15.3	13.5	14.8	10.5	8.0	5.3
27	1.3	-1.0	1.4	2.0	5.4	7.5	14.8	13.0	16.4	10.8	4.5	3.5
28	1.8	-1.0	1.0	2.0	5.5	7.9	14.9	15.4	15.0	10.9	3.9	4.8
29	-0.4	-1.0	1.0	2.8	6.3	9.3	12.0	14.6	13.3	9.3	4.3	4.3
30	1.0		0.9	2.9	6.9	9.9	12.5	17.3	12.6	8.5	6.5	4.3
31	1.3		1.4		7.5		13.5	17.9		7.5		5.8
Mean	1.7	-0.6	-0.4	2.1	5.2	8.3	11.4	15.8	16.0	10.9	17.6	4.4

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada

Locality..... Halifax, N. S. Year..... 1929.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.0	1.3	0.5	1.7	5.3	8.1	13.0	11.7	15.2	13.8	6.9	5.0
2	4.4	0.7	0.7	1.7	5.4	8.5	12.3	12.9	13.8	13.9	7.2	5.8
3	3.3	0.4	0.3	1.7	5.9	9.0		10.3	15.2	14.9	7.0	5.3
4	4.0	1.0	0.9	1.6	6.4	9.4	12.3	11.5	14.0	14.7	7.8	4.4
5	2.4	0.6	1.1	2.2	6.5	9.5	12.7	10.0	12.9	14.5	7.3	4.6
6	3.2	-0.1	0.9	2.3	6.7	9.0	13.3	10.1	13.6	13.0	7.4	4.8
7	3.1	0.5	0.8	2.0	5.4	8.4	14.0	11.1	15.0	14.0	7.4	4.4
8	2.7	0.9	0.5	2.1	5.9	10.5	12.8	10.5	15.2	13.7	7.2	3.5
9	2.1	1.3	0.3	2.0	5.5	10.2	12.4	10.0	16.1	11.4	7.4	4.2
10	2.4	0.6		2.5	5.0	11.0	11.7	11.9	16.3	10.0	7.0	3.7
11	2.9	1.3	0.2	2.5	6.1	10.7	12.9	10.8	17.5	9.5	7.0	3.0
12	3.0	0.6	0.8	1.8	4.2	11.6	12.6	11.2	17.1	9.5	8.1	2.0
13	1.8	-0.4	0.7	1.8	6.2	11.9	13.9	12.3	16.8	8.7	8.6	2.6
14	2.3	0.3	0.3	2.0	4.1	11.6	12.2	13.4	16.6	10.4	9.1	14.7
15	1.2	0.1	0.6	2.8	4.6	11.7	13.0	13.1		9.4	9.0	2.5
16	1.7	0.0	0.3	2.9	5.2		11.0	13.6	16.9	9.7	8.6	2.4
17	1.7	0.0	0.0	3.4	4.6	13.4	11.5	15.4	16.1	10.3	7.8	12.4
18	2.5	0.4	0.4	3.1	4.8	13.2	12.4	13.6	16.5	10.7	7.5	13.4
19	2.3	0.9	0.9	3.7	5.3	10.9	12.9	15.0	16.4	10.9	8.5	3.6
20	1.5	0.6	1.1	4.4	4.6	10.5	13.6	14.9	11.6	10.1	7.8	2.6
21	1.8	-0.5	0.8	2.8	5.3	11.0	11.6	13.9	12.3	10.7	7.0	3.0
22	1.3	0.8	0.7	3.4	5.6	11.1	13.8	14.5	12.3	10.7	7.4	2.0
23	1.1	0.7	0.9	3.1	5.9	10.2	14.0	14.1	12.5	10.1	6.4	2.0
24	1.1	-0.5	0.8	3.1	5.4	13.3	13.7	14.4	13.1	10.7	6.0	1.9
25	0.9	-0.4	1.4	2.8	5.9	13.7	11.5	14.7	13.9	10.7	6.8	1.7
26	1.2	-0.5	1.0	2.7	7.2	15.1	10.9	15.0	14.0	10.8	6.7	1.8
27		-0.1	1.0	3.8	7.2	14.9	13.0	15.6	13.1	10.0	7.1	2.0
28	1.2	0.4	0.9	4.2	8.0	11.9	11.5	16.1	12.9	9.3	6.9	1.9
29	2.3		1.3	4.0	9.8	12.3	10.7	16.1	12.2	17.9	5.7	2.0
30	1.1		1.1	4.7	9.3	12.5	12.9	15.7	13.7	7.1	5.8	2.8
31	1.5		1.4		8.6		13.3	15.5		6.8		2.8
Mean	2.2	0.6	0.7	2.7	5.8	11.4	12.5	13.2	14.6	10.9	7.2	3.3

BIOLOGICAL BOARD OF CANADA,

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....King's Wharf, Halifax, N.S.....Year.....1950.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.0	0.7	1.9	3.8	5.8	9.3	13.5	14.3	20.0	15.5	11.5	7.6
2	3.0	1.5	2.0	4.0	6.4	8.8	14.9	15.1	19.7	14.6	10.0	6.8
3	3.2	1.1	1.3	4.0	6.6	9.8	14.6	14.0	19.7	15.0	10.5	5.3
4	2.5	0.7	1.9	3.6	6.0	10.0	14.8	15.4	19.2	15.1	10.2	5.0
5	1.4	1.4	1.6	4.0	5.9	11.1	12.9	15.4	18.1	15.0	11.2	4.5
6	2.3	0.4	2.0	4.0	5.8	11.5	15.0	13.7	17.7	14.6		4.4
7	3.1	-0.6	3.0	3.9	6.5	11.7	12.9	11.4	18.0	14.1	9.6	5.0
8	3.4	0.6	2.9	4.5	7.2	13.0	13.0	12.2	17.2	14.1	9.7	4.6
9	3.7	0.9	2.0	4.4	7.6	12.9	13.8	12.2	16.5	14.2	9.0	5.2
10	2.9	0.7	2.9	4.9	7.2	12.8	11.9	12.0	16.0	14.0	8.5	4.1
11	1.9	1.0	3.1	3.7	6.0	13.1	13.5	13.4	14.8	14.6	7.7	3.9
12	1.0	1.1	3.4	4.0	6.7	14.5	13.0	13.6	14.5	15.0	6.9	4.2
13	2.5	1.4	3.7	5.0	6.6	14.4	14.0	14.3	14.4	15.2	7.0	4.6
14	1.7	2.1	3.0	4.8	6.3	15.2	14.3	14.0	14.0	15.4	9.0	3.9
15	1.4	1.1	1.1	4.8	5.9	14.0	15.0	14.1	14.8	14.8	8.7	3.3
16	2.8	2.0	1.0	3.6	6.7	14.7	15.7	14.9	15.5	15.2	7.0	2.8
17	1.6	0.5	2.5	3.3	7.6	15.0	17.3	14.0	16.1	14.8	6.7	3.4
18	1.8	0.7	2.2	2.0	8.0	15.3	16.9	15.3	16.3	14.3	7.0	3.0
19	1.0	1.4	2.6	4.3	8.2	16.2	17.4	16.2	16.5	14.0	7.4	2.8
20	1.0	1.5	1.4	4.0	7.9	15.8	16.0	16.4	16.1	14.0	7.2	3.5
21	1.0	1.1	2.7	4.0	7.4	15.0	13.9	16.0	15.0	13.2	7.9	3.0
22	0.9	1.8	2.1	3.6	7.1	14.3	13.0	16.4	15.9	12.8	8.0	3.5
23	1.3	2.0	2.4	4.8	7.7	15.5	12.6	16.6	15.5	12.1	8.0	3.4
24	0.5	2.7	2.9	4.4	7.9	14.1	14.8	16.5	14.2	11.9	8.0	2.3
25	1.0	2.7	3.0	4.3	8.0	15.0	13.6	17.2	14.3	11.5	8.8	2.5
26	1.0	1.5	3.2	5.2	8.5	16.2	13.8	18.2	14.2	11.0	8.1	3.6
27	0.9		3.5	4.5	8.2	16.2	12.0	18.4	14.4	11.0	8.0	3.1
28	1.1	1.3	3.2	4.5	7.9	14.9	12.2	18.5	16.0	10.8	7.4	2.5
29	1.5		3.0	5.3	8.4	15.0	13.5	18.8	15.6	11.6	6.3	3.1
30	1.0		3.4	5.1	8.3	15.4	13.3	19.0	15.1	11.6	6.5	2.6
31	0.2		2.0		8.9		15.0	20.0		11.7		2.8
Mean	1.8	1.2	2.3	4.2	7.2	13.8	14.1	15.4	16.1	13.7	8.2	3.9

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada,

Locality. King's Wharf, Halifax Year..... 1931.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.0	1.1	2.0	3.4	4.8	11.0	12.6	13.2	19.2	12.0		7.0
2	2.2	0.8	2.1	3.7	4.4	10.6	15.0	11.0	19.9	12.9	12.0	6.5
3	2.0	0.7	2.2		5.0	9.8	15.5	10.5	19.2	13.2	10.5	6.1
4	2.1	1.6	1.9	3.6	5.0	11.2	15.5	11.9	19.3	13.0	11.0	6.3
5	2.1	1.6	1.8	3.2	5.9	11.7	15.8	12.6	19.4	13.8	11.0	6.2
6	2.5	1.2	1.8	3.8	6.4	11.4	15.8	14.1	18.8	14.2	10.6	5.5
7	3.5	1.0	2.4	3.8	6.0	11.5	17.5	14.9	19.4	13.7	9.6	6.1
8	1.5	2.0	1.5	3.7	6.7	11.2	17.3	14.0	19.1	13.5	7.3	5.4
9	2.4	2.3	1.6	3.1	7.6	11.2	18.2	12.5	17.7	13.0	8.7	4.9
10	1.9	2.3	2.0	4.1	6.8	11.6	18.3	12.4	17.0	13.1	9.0	5.5
11	2.0	2.2	1.9	4.1	6.2	12.0	18.3	12.6	17.5	12.8	9.0	5.2
12	2.2	1.6	1.9	3.8	6.1	12.0	17.9	13.9	15.8	12.1	8.1	5.3
13	2.6	1.3	2.0	3.3	6.1	13.4	18.6	14.5	16.0	11.7	8.2	5.0
14	2.9	1.7	2.2	4.0	6.5	12.5	18.0	16.5	16.5	12.0	8.3	5.4
15	2.3	2.0	2.0	3.1	6.6	13.8	18.0	17.6	16.2	11.0	6.8	5.1
16	1.6	1.6	1.7	2.7	6.6	14.5	18.4	18.2	15.4	11.3	7.2	4.3
17	1.9	1.6	2.3	3.0	6.8	15.4	14.4	17.9	13.6	11.3	7.6	4.6
18	2.0	1.4	1.0	3.1	7.5	15.0	13.3	18.3	13.3	11.4	8.3	4.4
19	2.1	1.9	1.1	3.5	7.6	14.9	14.1	18.6	13.1	11.1	9.1	4.0
20	2.8	1.3	1.3	4.0	8.9	14.9	14.5	18.9	12.3	11.1	8.7	3.8
21	2.4	1.7	1.1	4.0	9.4	11.8	15.1	19.0	12.8	11.4	9.0	3.9
22	2.0	2.0	2.2	5.3	10.2	12.8	14.8	18.5	12.5	11.2	9.0	4.2
23	1.3	1.6	1.9	6.1	10.3	13.2	15.5	19.0	12.8	11.1	8.9	4.4
24	1.4	1.3	2.0	6.0	9.0	13.3	15.8	19.1	13.0	11.1	9.2	4.4
25	1.0	1.8	2.0	6.0	9.0	12.8	15.5	19.2	12.8	11.0	9.3	5.0
26	1.9	2.1	2.3	5.3	9.4	11.8	18.0	19.2	13.1	11.1	8.8	4.0
27	2.0	2.1	3.2	5.5	10.0	11.4	16.2	19.4	13.3	11.5	7.9	3.2
28	1.8	1.8	2.6	5.4	10.8	12.3	17.8	19.3	12.9	11.3	7.1	3.3
29	1.5		2.0	5.6	11.1	13.1	17.2	19.3	12.4	11.4	7.5	2.8
30	2.0		2.2	5.6	12.0	13.2	17.4	19.2	12.1	11.7	7.4	3.1
31	1.6		3.2		11.0		15.3	19.6		11.2		3.3
Mean	2.1	1.6	2.0	4.2	7.7	12.6	16.3	16.0	15.4	12.0	8.9	4.8

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada

Locality.....Halifax.....Year.....1932.....

Days of Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.0	1.3	1.8	2.4	3.5	7.9	13.5	16.3	15.1	13.7	8.9	6.1
2	3.3	1.2	0.9	2.5	4.5	7.4	14.0	16.0	14.0	13.4	8.6	7.0
3	2.6	0.3	0.4	2.3	5.3	8.5	13.0	16.8	14.7	14.3	8.0	6.3
4	3.4	1.4	0.2	2.6	5.0	9.1	12.8	15.3	15.2	14.6	7.8	5.0
5	2.3	1.1	1.5	1.5	4.7	9.8	13.0	15.3	16.0	14.6	7.9	6.5
6	2.8	1.6	2.8	2.6	3.6	9.1	10.4	16.4	17.3	14.0	8.0	6.3
7	3.8	1.7	1.9	2.3	4.6	9.2	9.5	16.0	17.7	14.7	8.4	6.8
8	4.0	0.9	1.5	3.0	4.5	9.1	11.3	15.9	17.3	14.0	8.1	6.6
9	3.3	0.9	1.2	2.9	3.7	9.4	9.5	16.2	15.5	14.0	7.5	5.9
10	2.3	1.0	1.2	3.5	4.2	9.5	12.5	17.2	15.1	14.1	7.4	5.7
11	2.2	1.6	1.2	3.1	4.5	9.9	11.5	17.9	14.2	14.5	7.5	5.0
12	2.0	2.0	0.5	3.0	4.4	9.4	11.5	17.4	15.0	13.9	8.3	4.3
13	3.3	2.5	0.5	2.9	4.9	9.8	12.3	17.5	15.0	12.5	7.3	5.9
14	3.6	1.0	0.8	3.5	5.1	10.5	13.0	15.8	14.7	11.6	7.4	4.9
15	3.5	0.7	0.5	3.9	6.5	10.8	13.2	14.0	14.4	10.1	8.1	4.3
16	3.0	0.9	0.0	3.0	6.8	11.3	12.4	17.0	15.2	9.4	8.1	4.0
17	2.5	1.1	0.2	2.1	9.2	11.4	9.6	16.0	15.2	10.3	8.4	3.9
18	2.8	1.6	1.2	3.3	9.7	10.0	11.0	15.4	15.8	11.0	7.9	4.0
19	3.3	0.3	1.0	3.6	8.2	11.2	11.4	15.5	15.5	11.1	7.8	3.9
20	2.8	0.1	0.5	4.6	7.6	11.9	11.6	16.3	14.9	10.6	8.0	4.2
21	3.1	-1.0	1.0	4.0	7.2	12.7	12.0	17.5	16.4	10.0	8.0	4.0
22	2.6	0.4	1.1	4.6	6.7	12.3	11.5	16.9	15.8	10.4	8.1	4.4
23	2.8	0.7	1.5	3.6	6.6	11.7	12.8	18.1	16.0	9.8	7.5	4.1
24	2.0	0.0	0.9	2.0	7.0	11.9	12.9	17.2	16.0	10.0	7.3	4.1
25	2.4	0.0	1.0	3.2	7.4	11.6	14.0	17.4	15.2	9.8	7.5	5.0
26	1.9	-0.2	1.4	3.5	7.6	12.3	14.6	16.9	15.1	9.8	7.7	5.1
27	2.5	1.1	1.5	3.0	6.9	10.9	15.9	18.2	15.4	9.5	6.0	4.7
28	2.8	0.0	1.5	3.3	7.3	11.6	16.4	18.5	15.2	10.0	5.5	5.2
29	2.3	1.1	2.0	3.5	7.8	12.4	17.3	18.5	15.6	9.5	5.9	4.9
30	2.3		1.9	3.8	8.0	12.8	17.5	15.6	14.8	9.0	6.0	4.9
31	2.1		2.1		7.8		17.0	14.4		9.1		5.5
Mean	2.8	0.9	1.1	3.0	6.2	10.5	12.8	16.5	15.5	11.5	7.6	5.1

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada

Locality.....Sable Island.....Year.....1929....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						7.4	11.4	16.4	17.6	14.6	10.8	6.0
2						6.3	11.7	15.3	17.3	13.8	11.2	6.0
3						8.1	11.8	15.9	17.2	16.3	11.9	6.5
4						8.5	12.8	16.8	16.6	15.7	11.7	5.9
5						8.6	12.6	15.5	16.4	15.2	12.7	4.4
6						9.0	12.3	16.0	16.8	14.4	11.1	4.7
7						8.5	12.8	15.9	17.0	14.3	11.0	4.4
8						9.1	13.0	17.1	17.3	15.2	10.0	4.4
9						12.0	12.9	17.2	17.7	13.4	9.7	4.3
10						9.8	12.4	18.1	16.8	12.3	9.6	3.4
11						9.0	12.6	18.3	16.8	12.2	8.8	1.9
12						9.7	13.9	17.8	16.6	12.4	9.4	2.0
13						9.2	15.1	16.5	17.3	12.9	9.5	2.5
14						9.8	14.6	17.0	18.0	13.9	9.8	3.7
15						12.6	13.1	17.3	18.2	14.1	10.4	3.6
16						10.4	14.0	17.4	18.1	14.9	10.1	3.1
17				6.1	10.9	14.9	18.4	18.0	14.9	9.0	9.0	1.9
18				6.2	10.9	15.7	18.8	17.8	13.6	8.6	8.6	2.4
19				6.2	10.7	15.1	18.6	17.2	12.3	9.1	9.1	4.3
20				5.4	10.9	14.9	17.9	16.5	12.3	8.5	8.5	4.4
21				4.7	11.0	15.0	17.7	15.9	13.3	8.0	8.0	3.5
22				6.6	11.0	15.5	17.8	15.4	12.9	6.5	6.5	2.3
23				6.3	11.7	16.1	18.0	15.4	13.5	6.4	6.4	1.7
24				6.8	11.4	15.7	18.3	15.7	14.2	6.9	6.9	2.6
25				7.5	11.7	15.1	17.0	17.0	13.6	6.7	6.7	2.6
26				7.5	11.4	15.9	17.6	17.4	12.6	5.9	5.9	2.4
27				7.4	12.4	16.3	19.0	16.7	12.8	7.0	7.0	2.2
28				7.9	12.5	16.4	17.8	16.0	12.5	7.6	7.6	3.1
29				8.3	12.8	16.6	18.1	16.3	11.0	6.6	6.6	3.1
30				8.2	11.9	16.3	18.9	16.1	11.1	6.0	6.0	3.2
31				8.3		15.8	18.2		11.1			3.0
Mean				6.9	10.0	14.2	17.4	16.7	13.4	8.9	8.9	3.5

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

Locality.....Sable Island.....Year.....1930.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.8	-0.1	-0.1	3.4	4.4	7.9	13.1	19.0	18.1	15.0	12.2	7.6
2	3.5	-0.2	0.9	3.4	4.6	8.1	13.3	19.0	18.3	15.0	11.2	7.8
3	4.4	0.4	1.6	3.4	4.7	8.3	13.4	19.0	18.1	15.0	10.8	6.5
4	3.6	-0.5	1.8	3.7	4.7	8.4	13.4	18.7	18.0	14.6	10.5	6.1
5	1.4	0.1	1.0	3.0	4.7	8.6	13.3	18.3	17.7	14.1	11.5	5.1
6	1.5	-1.1	1.5	3.6	4.6	8.9	13.5	18.4	17.5	12.6	12.1	5.1
7	3.4	-1.3	1.7	3.7	4.7	9.1	13.4	18.8	17.1	12.5	9.6	5.7
8	4.1	-0.4	1.8	2.8	4.8	9.2	13.2	19.4	16.9	12.2	9.3	6.4
9	4.2	-0.6	2.2	3.9	4.9	9.4	13.3	19.2	16.5	11.9	10.2	6.1
10	3.1	±0.1	1.8	3.7	5.4	9.7	13.9	19.2	16.6	12.6	9.5	6.0
11	2.0	0.3	1.8	3.9	5.7	9.9	13.9	19.1	16.5	13.3	8.1	5.9
12	1.1	-0.5	1.8	3.9	5.9	10.0	14.0	18.9	16.6	14.0	8.4	6.0
13	2.1	-0.5	2.9	4.0	6.0	10.1	14.2	18.5	16.5	14.3	8.5	5.9
14	1.7	1.2	2.7	3.7	6.1	10.2	14.1	18.6	16.5	14.3	9.0	5.3
15	2.3	-0.1	-0.4	3.8	6.2	10.3	14.8	18.5	16.3	14.2	6.7	5.2
16	2.5	0.5	-0.1	4.1	6.3	10.3	15.7	18.2	16.7	14.6	8.2	3.9
17	1.4	±1.3	0.0	3.7	6.7	11.1	15.9	18.5	17.1	14.5	8.2	3.7
18	1.2	-1.0	0.0	3.6	6.6	11.3	16.0	18.0	17.4	14.4	8.1	3.9
19	1.7	-0.5	1.9	4.2	6.7	11.5	16.7	17.9	17.2	18.8	7.9	3.9
20	0.6	0.0		4.2	6.8	11.6	17.0	18.2	16.8	13.1	8.0	4.1
21	0.3	-0.1	1.2	4.4	6.6	11.3	17.4	17.8	15.9	12.2	8.1	4.0
22	0.3	0.0	-0.1	4.5	6.5	11.3	17.8	17.8	17.1	11.4	8.3	4.0
23	0.2	-0.1	-0.6	4.6	6.5	11.5	16.8	17.6	16.5	11.5	8.2	4.7
24	-0.2	1.3	-0.2	4.5	6.8	12.7	20.0	17.2	15.9	11.1	9.2	
25	0.9	1.9	2.7	4.7	6.9	13.1	20.1	17.5	15.4	11.3	9.7	
26	0.9	0.6	2.5	4.7	7.0	13.2	20.2	17.7	15.6	11.5	9.0	
27	-0.4	0.0	2.9	4.5	7.1	13.6	20.3	18.1	16.0	11.2	8.5	
28	0.1	±0.1	2.9	4.1	7.2	13.6	19.8	18.4	16.1	11.4	8.1	
29	0.3		3.0	4.6	7.3	13.6	18.7	18.6	16.3	11.8	7.2	
30	-0.4		3.3	4.7	7.3	13.8	18.8	18.3	16.1	11.9	7.2	
31	-0.6		3.5		7.3		19.0	18.1		12.8		
Mean	1.6	0.9	1.5	3.9	6.0	10.7	16.0	18.3	16.8	13.0	9.0	5.3

BIOLOGICAL BOARD OF CANADA

Daily and Mean Monthly Temperatures.

Atlantic Coast of Canada.

Locality Sable Island Year... 1951....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.7	.8	2.4	5.5	6.5	10.6	14.5	18.0	18.1	14.5	11.5	7.7
2	3.1	0.3	2.3	5.4	6.5	10.2	15.1	18.1	18.1	14.1	11.3	7.7
3		-0.1	2.4	5.7	6.9	10.3	14.0	18.6	18.6	14.1	10.7	5.0
4		.5	2.0	5.4	8.1	10.8	14.9	18.4	19.3	14.3	10.2	6.4
5		1.1	2.9	5.3	7.2	10.3	15.4	18.1	19.2	15.0	9.7	6.2
6		.1	2.1	5.1	7.5	11.0	15.3	19.0	19.1	15.5	9.9	5.1
7	4.7	-1.1	1.9	4.9	7.7	10.7	15.5	19.5	18.7	14.3	9.0	5.8
8	3.1	-1.1	2.0	5.1	6.2	11.6	15.7	19.2	18.4	14.1	8.9	4.4
9	3.2	1.2	2.0	5.0	7.8	11.8	15.1	18.9	18.1	14.1	9.0	4.7
10	3.4	2.0	2.9	5.1	7.3	11.9	15.7	18.4	17.9	13.2	9.1	5.2
11	3.6	2.2	2.1	5.7	8.0	12.4	15.9	18.6	17.8	14.0	9.6	5.1
12	3.1	2.0	2.7	5.8	8.8	11.7	16.5	19.2	17.7	12.5	9.7	5.0
13	3.8	1.9	2.9	6.1	8.4	10.5	17.0	19.0	17.7	12.9	9.5	5.1
14	3.8	1.7	3.1	6.0	8.3	10.7	17.5	19.0	18.9	12.5	8.7	5.0
15	3.1	2.0	2.9	4.9	7.9	10.9	17.2	19.2	18.7	12.3	7.6	5.0
16	2.9	1.7	3.0	3.3	8.8	11.7	17.1	19.1	18.1	12.6	7.7	3.2
17	2.7	2.0	2.8	4.3	9.0	12.5	17.1	19.3	17.4	13.1	8.2	3.7
18	2.4	1.9	2.7	5.1	9.1	11.6	16.8	19.0	17.5	12.7	9.4	3.4
19	2.4	1.9	3.1	5.4	9.6	11.7	17.5	19.3	18.7	12.0	9.7	3.8
20	2.9	1.8	3.3	5.1	10.1	12.7	18.1	19.6	15.3	11.4	8.9	3.0
21	2.9	2.1	3.0	5.6	9.9	13.0	17.7	19.7	15.1	11.9	9.2	2.6
22	2.4	1.9	3.0	5.9	9.6	13.7	18.1	19.4	15.3	11.9	9.7	2.7
23	1.6	1.8	3.1	5.5	10.5	13.2	17.8	19.0	14.8	11.6	9.7	4.3
24	1.0	1.7	3.6	5.9	10.5	14.0	17.7	18.7	15.2	11.0	9.8	3.8
25	0.0	2.0	3.8	6.5	10.0	13.0	17.7	18.3	14.8	10.9	10.4	4.4
26	1.4	2.2	4.3	6.8	9.5	14.1	18.4	19.0	14.7	10.9	8.4	4.5
27	1.9	2.4	4.4	7.3	9.5	13.0	18.7	18.4	15.7	11.0	6.9	4.1
28	1.9	2.3	4.6	6.5	10.8	12.7	18.3	19.0	15.2	11.1	6.6	4.0
29	1.6		4.9	6.7	11.2	12.8	18.1	18.9	15.0	11.2	6.6	3.3
30	1.6		5.0	8.0	11.5	13.3	18.0	18.6	14.5	11.8	6.9	3.2
31	1.1		5.3		11.6		18.0	18.6		11.7		2.9
Mean	2.4	1.5	3.1	5.6	8.9	12.0	16.8	19.2	17.0	12.7	9.1	4.5

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

LOCALITY.....Sable Island.....Year.....1932.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.8	-0.3	1.6	3.3	5.7	8.4	12.6	18.2	19.8	12.4		
2	2.9	-0.1	1.8	3.0	6.2	8.0	12.8	17.0	19.8	12.4		
3	3.5	-1.6	2.0	3.0	5.6	8.7	12.2	18.0	19.7	12.5		
4	2.5	-0.6	2.0	3.1	5.8	9.6	13.5	16.4	19.8	13.0		
5	2.6	0.8	2.0	2.9	5.6	10.1	13.2	16.0	19.3	13.7		
6	3.0	0.0	2.2	3.1	5.5	9.2	14.0	16.9	19.6	13.7		
7	3.7	0.6	2.6	3.3	6.7	9.8	13.4	16.9	19.5	13.5		
8	2.8	0.0	2.2	3.0	6.6	9.2	13.9	17.2	19.5	12.9		
9	3.5	0.5	0.3	2.9	5.4	9.5	13.7	16.8	19.1	13.5		
10	3.5	-0.7	-0.8	2.9	5.7	9.8	13.5	16.8	18.6	13.5		
11	1.7	-0.5	0.4	3.3	6.7	10.5	14.4	17.5	14.4	13.8		
12	1.5	0.8	0.2	3.6	6.7	11.0	14.7	16.9	14.8	13.3		
13	3.6	1.8	0.5	3.1	7.4	11.5	15.0	17.1	14.9	12.3		
14	4.2	0.4	0.5	4.3	7.0	10.9	15.6	18.2	14.1	10.5		
15	4.8	0.0	0.0	4.1	8.0	11.4	16.3	17.7	12.9	10.9		
16	3.3	-0.4	-1.0	4.0	7.9	11.7	15.4	17.7	13.2	10.3		
17	2.3	-0.1	-0.3	3.6	7.7	10.5	15.3	18.5	13.7	11.4		
18	3.2	1.1	0.2	3.6	7.5	11.0	14.1	17.7	12.9	11.7		
19	2.8	-0.4	0.6	4.6	8.3	11.6	14.9	17.3	13.5	11.0		
20	2.3	-1.3	1.6	3.9	8.2	12.5	14.7	17.6	13.2	10.9		
21	2.0	-2.2	0.5	3.1	8.3	12.7	15.0	17.4	13.4	11.6		
22	2.0	-2.3	0.6	3.7	8.1	11.7	15.2	18.9	12.9	11.0		
23	1.0	-1.0	1.7	5.2	7.4	11.3	15.7	18.2	12.9	10.3		
24	2.2	-1.9	1.3	3.7	8.0	10.5	15.7	18.2	12.5	9.5		
25	1.9	-1.6	1.1	5.2	8.4	10.7	15.5	18.7	12.4	9.9		
26	.9	-1.4	1.8	4.4	8.6	11.3	16.2	19.0	12.4	9.9		
27	1.1	-1.4	1.6	5.1	8.8	11.5	16.5	19.5	13.1	10.2		
28	1.7	-1.2	1.8	5.0	8.9	11.7	16.4	19.6	12.8	10.3		
29	0.9	-0.4	2.4	5.0	8.2	12.2	15.8	18.7	13.7	10.2		
30	1.5		2.2	6.3	7.9	13.0	15.9	19.1	12.7	10.1		
31	2.0		2.2		8.3		16.3	19.2		9.5		
Mean	2.5	-0.5	1.1	5.3	8.7	10.7	14.7	17.7	15.2	11.6		

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....~~Pepperi Island~~.....Year...1929.....

Day of the Month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				-0.7	4.0	9.5	16.7	16.4	14.7	9.1	2.4	
2				0.0	2.1	9.7	16.6	16.3	15.1	9.5	3.2	
3				0.8	4.0	9.9	16.4	16.0	14.7	9.6	2.8	
4				1.1	3.3	9.5	15.6	15.4	14.6	9.0	2.4	
5				1.6	9.5	13.8	15.2	13.3	9.0	1.8	5.7	
6				1.4	6.8	10.5	12.4	15.1	13.4	8.4	1.8	
7				0.5	5.5	10.4	13.0	15.6	13.3	7.3	2.0	
8				1.0	8.1	9.7	14.1	15.8	14.2	7.1	1.2	
9				1.5	7.1	11.7	16.5	16.2	13.1	7.3	1.4	
10				2.1	5.3	10.9	16.3	16.2	12.4	7.0	0.6	
11				2.3	8.7	12.2	16.8	15.9	12.0	6.6	-0.1	
12				1.9	6.0	12.8	16.9	15.4	12.2	6.9	0.0	
13				2.5	6.3	13.3	18.2	15.6	12.4	6.9	0.5	
14				2.3	5.7	13.1	17.5	15.5	12.6	6.9	0.6	
15				2.4	6.7	13.1	17.1	16.4	12.0	7.0	1.1	
16				2.5	6.7	13.8	16.9	15.9	14.1	6.8	0.9	
17				2.7	7.1	14.9	17.7	16.0	10.9	6.6	0.0	
18				2.9	7.9	15.3	17.6	16.4	10.8	6.1	0.1	
19				2.2	7.5	14.9	17.7	15.9	10.5	6.4	1.3	
20				2.2	7.8	14.7	18.3	14.9	11.0	6.3	1.6	
21				2.4	8.4	14.3	18.1	14.7	11.3	5.3	1.4	
22				2.4	8.8	15.4	17.2	14.9	11.3	5.1	-0.1	
23				2.8	9.1	14.2	17.0	14.2	11.0	4.8	-0.5	
24				3.0	9.0	14.6	17.3	14.4	11.3	4.6	0.0	
25				3.3	9.7	15.4	16.3	15.1	10.7	5.0	1.2	
26				3.2	9.0	15.8	16.8	15.5	10.9	4.4	0.4	
27				3.3	9.9	16.1	16.5	14.9	10.5	4.1	0.2	
28				4.0	18.2	15.7	16.9	14.5	10.5	4.9	1.0	
29				4.8	10.5	15.3	16.9	14.5	9.6	4.3	0.1	
30				4.0	9.9	15.3	17.0	14.7	9.5	3.0	1.2	
31				4.7	17.0	17.0		8.9			0.5	
Mean.				2.3	7.1	13.1	16.5	15.4	12.0	6.3	1.0	

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures.

Atlantic Coast of Canada.

Locality.....Sentari Island, N. S.....Year...1911....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.8	-1.0	-1.1	.8	2.6	6.2	10.3	16.1	17.9	12.1	9.0	6.0
2	1.2	-2.1	-1.2	1.3	2.7	6.0	11.0	16.6	17.8	13.3	8.9	5.0
3	1.2	-2.0	-1.2	1.4	3.0	5.9	9.9	16.1	17.7	13.5	8.6	3.6
4	1.2	-2.0	-1.6	1.1	2.5	7.0	10.2	16.2	17.5	12.1	8.0	4.0
5	1.0	-1.0	-1.6	1.3	3.2	7.3	11.4	16.2	17.3	12.1	8.3	4.8
6	1.0	-1.8	-1.3	1.1	3.0	8.2	9.9	16.9	17.2	12.8	7.5	3.5
7	2.2	-2.0	-1.0	1.0	3.7	7.9	10.5	17.2	17.1	12.2	7.6	3.9
8	.8	-2.0	-1.1	1.0	3.6	8.3	10.6	17.0	17.4	12.2	7.8	3.8
9	1.0	-1.0	-0.9	1.0	3.6	7.8	12.7	17.2	16.8	11.1	7.6	2.9
10	1.6	-1.0	-1.0	1.5	3.7	7.4	13.2	17.4	16.4	11.2	8.7	3.7
11	2.1	-1.1	-1.0	2.0	3.7	7.6	13.7	18.1	16.7	11.1	8.5	4.0
12	1.3	-1.1	-1.0	1.9	3.8	8.0	13.6	18.1	16.5	10.9	7.9	3.9
13	1.4	-1.0	-0.9	1.8	3.5	7.5	11.4	18.1	16.6	10.3	7.7	3.8
14	1.6	-1.0	-1.0	2.1	3.5	7.5	11.2	18.2	17.0	10.2	7.6	3.8
15	.9	-1.0	-1.0	1.9	3.3	9.5	11.4	18.2	17.2	10.0	6.7	3.8
16	.8	-1.7	-1.0	1.9	3.4	8.2	14.6	18.9	17.2	10.0	6.8	1.9
17	.1	-1.3	-1.0	1.2	3.5	7.3	14.5	17.3	16.3	11.0	6.8	2.2
18	0.0	-1.2	-1.0	1.0	3.9	7.2	13.5	17.4	15.2	10.6	7.9	2.5
19	.1	-1.4	-1.0	1.9	4.9	9.3	13.1	17.0	14.9	10.0	7.5	2.8
20	1.0	-1.0	-0.8	2.0	4.3	8.8	15.0	17.0	14.4	10.0	7.2	2.5
21	0.0	-1.0	-0.5	2.5	4.6	9.1	15.1	17.0	14.3	10.0	6.9	2.1
22	0.0	-1.1	-0.4	2.7	4.7	9.8	14.9	17.0	14.4	10.0	7.7	2.2
23	-1.0	-0.7	-0.3	2.0	5.0	10.5	14.8	16.4	14.3	10.0	7.1	2.8
24	-1.0	-1.0	.1	2.0	5.0	10.5	15.0	17.0	14.6	9.9	7.1	3.0
25	-1.0	-1.0	.1	2.7	3.9	11.5	14.7	17.7	13.1	9.7	8.0	2.9
26	-1.0	-1.0	-0.1	2.6	4.9	10.5	15.9	15.5	13.9	9.8	7.0	3.0
27	-1.1	-1.0	0.0	2.6	5.0	11.3	17.0	17.8	14.4	9.8	5.7	3.0
28	-.5	-1.1	.4	2.1	5.5	10.3	15.5	18.3	13.8	9.7	5.0	2.8
29	0.0		.4	2.9	5.0	10.2	16.0	17.5	13.8	9.3	4.7	2.4
30	0.0		1.0	2.9	5.5	10.2	15.3	17.4	13.5	9.1	5.7	2.3
31	-1.0		.1		7.5		16.0	17.3		8.7		1.9
Mean	0.4	-1.3	-0.7	1.8	4.1	8.5	13.3	17.3	15.8	10.7	7.4	3.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,
Atlantic Coast of Canada.

Locality..... Sentari Island Year..... 1938.....

Day of the Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.9	-1.0	-1.0	0.0	2.6	7.0	10.1	17.5	18.8	12.1	9.9	6.4
2	2.0	-2.0	-1.0	0.3	3.1	6.6	10.1	16.5	18.7	11.4	10.5	6.2
3	2.0	-1.4	-0.8	1.4	3.0	5.6	10.3	16.5	18.7	12.0	9.0	6.0
4	1.8	-1.5	-0.8	1.0	3.1	6.1	8.5	16.2	18.7	12.0	8.6	5.9
5		-1.1	-0.5	0.0	3.0	5.9	8.4	16.1	18.6	12.1	8.5	7.0
6		-1.0	-0.8	0.4	3.1	6.0	9.0	16.2	20.0	12.3	8.4	5.0
7		-1.0	-0.8	0.3	3.2	5.1	10.0	15.9	18.7	13.0	9.0	5.9
8		-1.8	-1.1	-1.0	2.5	4.1	11.5	16.0	17.9	12.0	8.5	6.3
9		-1.2	-1.5	-1.2	1.1	5.8	11.2	15.9	17.8	12.0	8.2	5.0
10		-2.0	-1.0	-1.3	0.8	5.8	11.3	16.0	17.6	12.1	8.3	4.1
11		-1.3	-1.3	0.2	1.5	5.3	11.9	16.4	17.3	12.2	9.0	3.5
12		-0.9	-1.4	-1.0	5.5	6.8	11.5	16.4	16.3	12.2	8.8	3.3
13		-0.4	-1.4	-1.0	4.8	5.5	11.8	16.1	16.2	11.0	8.4	3.6
14		-1.1	-1.3	-0.2	4.5	5.9	10.9	16.1	16.1	11.1	7.4	3.8
15	2.0	-1.5	-1.4	-0.2	4.5	6.6	11.3	17.8	15.4	11.1	7.5	3.8
16	1.6	-1.6	-1.5	0.8	4.5	7.0	12.1	17.4	15.3	11.1	7.9	2.7
17	1.1	-1.8	-0.1	0.1	4.8	8.0	13.4	17.2	14.9	11.8	8.0	1.1
18	1.0	-1.0	-1.3	0.0	4.2	7.8	11.2	17.6	14.9	11.1	6.1	2.5
19	1.0	-1.3	-1.3	0.0	3.8	8.0	12.9	17.5	11.4	11.1	7.7	2.4
20	0.9	-1.5	-0.5	-1.4	3.7	8.5	12.4	17.1	12.0	11.0	8.3	2.0
21	0.7	-1.5	-1.3	-0.9	3.5	10.0	13.0	17.5	13.5	11.1	7.7	2.0
22	0.5	-1.5	-1.0	0.8	3.6	9.6	13.0	16.9	12.3	11.9	7.4	2.4
23	0.3	-1.4	-1.0	1.5	4.1	9.5	13.9	16.7	12.5	11.0	7.0	2.3
24	0.1	-1.5	-1.3	-1.4	3.3	7.9	13.9	17.2	12.0	10.9	6.6	2.3
25	0.2	-1.5	-0.1	-1.8	3.2	8.9	13.5	18.0	11.9	11.0	6.3	2.8
26	0.0	-1.5	-0.7	1.7	3.3	9.0	14.1	17.9	11.4	11.0	6.3	4.1
27	-0.4	-1.6	0.0	1.5	4.8	9.1	14.1	17.3	11.2	10.9	4.7	3.0
28	0.8	-1.3	0.0	1.6	4.9	9.2	15.0	18.4	13.2	11.3	3.6	2.8
29	0.0	-1.3	0.0	1.7	4.0	9.7	15.0	18.8	12.1	10.7	3.0	2.5
30	0.0		0.0	2.1	4.9	9.8	15.5	18.7	12.0	10.5	5.5	2.5
31	0.6		0.0		6.0		16.4	18.9		10.1		3.5
Mean	0.5	-1.4	-0.9	0.4	3.6	7.0	12.2	17.0	15.2	11.5	7.5	3.8

BIOLOGICAL BOARD OF CANADA

Daily and Month Mean Temperatures.

Atlantic Coast of Canada

Locality..... Entry IslandYear 1930

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1						7.5	13.3	19.1	19.3	13.3	8.1	4.3
2						7.0	13.1	18.6	18.0	12.8	7.3	2.9
3						8.3	13.1	18.6	17.8	12.9	7.8	2.0
4						8.6	15.9	19.4	18.3	12.8	7.8	3.1
5						9.4	16.1	17.8	17.1	12.3	7.8	1.5
6						8.5	16.5	16.8	17.4	12.0	8.5	2.4
7						8.8	15.3	17.8	16.8	11.9	6.6	3.4
8						8.8	14.8	18.4	16.3	11.9	5.9	3.0
9						9.0	14.6	16.4	15.8	11.4	6.3	2.8
10					7.3	12.6	18.0	16.5	15.8	12.0	5.5	2.1
11					6.3	11.1	15.5	17.3	15.1	12.1	3.8	3.1
12					5.3	12.4	15.5	17.3	15.5	12.8	4.9	2.0
13					6.0	12.3	16.5	17.9	15.3	13.1	5.8	1.8
14					7.8	12.3	15.3	18.1	14.6	13.1	5.9	.3
15					6.0	12.6	15.8	17.9	14.9	12.6	5.5	0.0
16					4.5	13.5	17.6	17.5	16.3	11.6	4.6	-1.0
17					5.5	13.0	17.5	16.4	15.8	12.0	4.9	-0.6
18					4.1	12.3	17.4	18.0	16.1	12.3	4.9	0.0
19					7.0	11.6	17.3	16.8	14.8	11.5	4.5	1.0
20					6.1	11.8	18.3	17.0	14.5	11.3	4.6	2.1
21					4.3	12.6	18.8	19.3	14.4	9.9	4.4	.6
22					4.1	12.5	18.4	19.0	14.8	8.1	5.3	.6
23					5.5	12.9	20.1	19.3	13.1	9.4	5.4	.3
24					6.3	12.5	19.0	17.3	12.8	7.0	5.1	.3
25					7.0	12.9	19.5	18.0	13.5	8.6	5.8	-.8
26					7.3	13.1	20.4	18.3	12.8	9.0	5.4	-.6
27					6.3	14.0	21.1	19.1	13.3	8.8	4.8	-1.4
28					5.3	14.5	18.8	19.3	13.5	8.0	4.0	-.5
29					6.0	13.8	19.0	18.8	13.4	8.8	3.0	-.8
30					7.8	14.0	19.5	18.4	13.8	9.1	3.8	-.6
31					7.0			18.4		8.5		-.8
Mean					6.0	11.6	17.1	18.0	15.3	11.0	5.6	2.1

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality???. Scty. Island. Aug. Year. 1951.

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.
1				-1.1	5.0	8.8	14.0	16.5	17.1	11.5	8.9	4.1
2				-.8	5.5	8.8	13.5	16.8	16.6	11.1	8.6	1.8
3				-1.1	3.9	10.1	12.8	17.0	16.8	11.6	8.6	.1
4				-.9	4.6	11.1	13.5	16.5	16.6	11.5	8.6	1.3
5				-.4	4.1	10.6	14.0	17.6	18.0	11.9	8.0	2.0
6				.6	5.9	9.5	13.9	17.6	17.6	11.6	7.3	.5
7				1.1	6.1	9.5	12.8	17.4	17.1	11.0	6.4	1.5
8				1.3	5.8	10.1	12.6	17.0	17.1	11.0	6.1	-.4
9				1.6	5.1	9.6	14.1	17.9	16.1	10.6	6.8	0.0
10				1.5	5.9	10.3	14.3	17.8	16.9	11.0	7.1	.5
11				1.5	5.8	11.9	14.5	18.8	16.3	11.1	6.4	.8
12				1.1	5.1	10.8	14.0	17.6	16.6	9.1	6.4	1.3
13				1.4	5.5	11.1	14.0	16.9	16.9	8.4	7.3	1.4
14				1.8	5.0	13.3	13.1	16.9	17.1	9.6	6.5	.9
15				1.4	5.1	11.8	13.8	17.5	16.5	8.9	4.0	1.1
16				1.1	6.0	11.8	14.0	17.9	15.6	9.8	4.6	-1.3
17				2.0	7.0	10.9	14.4	16.8	15.0	9.6	6.3	-1.3
18				2.3	7.1	11.4	14.3	18.0	15.1	10.3	6.6	-.4
19				2.9	6.5	12.9	15.5	18.5	12.6	9.6	3.8	-.6
20				4.4	8.3	12.1	15.6	17.1	12.3	9.4	5.9	-1.4
21				4.3	6.5	12.3	14.6	18.0	13.8	9.5	6.5	-1.5
22				4.6	8.4	12.8	15.4	18.1	13.5	10.0	6.8	-1.3
23				3.9	8.4	12.9	15.5	18.4	13.1	9.9	6.4	-.8
24				4.1	7.1	11.9	16.3	18.8	13.5	9.3	6.6	.4
25				4.1	7.3	12.9	17.6	17.4	12.9	9.4	6.6	-.4
26				5.1	7.3	11.9	16.3	18.0	11.9	9.5	4.5	-1.1
27				3.6	7.6	11.4	16.3	17.6	12.1	9.8	3.1	-.4
28				4.0	9.9	11.0	17.0	17.8	11.6	9.4	2.1	-.4
29				3.5	10.6	10.5	17.4	17.5	11.4	8.8	3.8	-1.0
30				3.8	9.0	12.8	16.8	16.0	11.4	9.4	3.9	-1.1
31					9.5		16.6	17.3		9.0		-.4
Mean				2.1	6.6	11.2	14.6	17.5	14.8	9.7	6.3	0.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada,

Locality.....Exley-Island.....Year.....1932.....

Day of the Month.	May.	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1	-1.0	6.0	12.1	17.0	19.4	12.1	7.4	4.0
2	1.3	6.5	11.8	16.8	19.4	12.1	7.8	3.8
3	1.0	6.6	12.1	17.4	18.8	12.6	5.8	4.0
4	2.4	7.8	11.8	16.9	19.3	13.4	4.3	2.1
5	1.5	8.5	11.6	16.1	18.6	13.5	6.1	3.4
6	1.9	7.6	12.3	16.8	18.1	13.1	6.8	2.6
7	3.0	7.0	12.4	16.8	18.3	13.5	6.6	2.4
8	3.3	7.6	12.5	16.8	16.3	12.8	8.3	0.5
9	3.1	7.4	12.9	17.4	16.9	12.5	6.9	0.5
10	3.0	7.3	13.4	17.3	16.6	12.9	8.5	0.3
11	3.4	7.1	13.0	17.4	15.9	12.8	6.6	-1.5
12	3.8	8.8	13.3	18.1	15.8	12.1	6.8	-1.4
13	4.3	9.4	13.5	17.6	15.4	11.3	6.1	0.8
14	3.8	9.1	14.1	18.4	16.1	9.6	5.1	-0.1
15	3.9	9.3	14.1	18.5	15.9	9.1	5.9	-1.1
16	4.5	10.4	14.6	18.6	15.5	9.8	6.1	-1.3
17	4.8	9.9	14.8	18.5	14.8	11.0	6.6	-1.5
18	6.1	10.9	14.3	17.8	14.8	10.1	5.0	-1.4
19	7.4	10.5	13.1	16.9	14.4	10.9	5.4	-1.3
20	5.3	11.0	14.0	17.8	14.4	10.3	6.0	-0.8
21	6.0	11.9	14.3	18.3	14.9	11.1	5.3	-1.9
22	3.6	10.5	14.9	18.6	15.1	8.6	5.3	-0.8
23	4.4	9.9	15.1	19.0	15.1	8.8	3.9	-1.5
24	6.0	9.3	15.3	19.0	15.4	9.8	4.5	-1.9
25	4.9	10.8	15.0	18.1	14.3	10.5	4.0	-1.5
26	5.9	9.6	16.0	17.1	13.6	9.8	4.6	-0.1
27	6.4	9.8	16.1	17.9	14.3	9.8	1.0	-1.3
28	6.1	10.5	15.6	18.1	14.1	9.9	0.9	-0.5
29	4.8	11.0	15.1	18.5	13.9	9.5	1.9	-0.6
30	7.3	10.9	15.8	18.4	13.0	8.5	3.8	-0.4
31	6.3		16.9	18.6		8.8		0.0
Mean	4.1	9.1	13.9	17.7	15.9	11.0	5.2	0.2

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Day of the month.	Locality..... North Point, P.E.I. Year..... 1930....											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						9.8	20.4	21.3	21.1	13.5	7.9	3.0
2						8.5	19.0	19.8	21.4	13.9	7.3	1.0
3						11.9	20.1	21.1	20.8	13.9	6.0	-1.3
4						12.5	19.6	20.9	19.3	13.3	6.1	-0.3
5						12.8	20.3	18.8	18.0	12.9	6.9	-1.0
6						14.6	19.8	19.0	18.6	12.3	8.1	-0.8
7						15.0	17.8	19.8	18.3	12.3	3.6	0.9
8						17.1	18.6	20.0	17.0	11.3	3.1	2.5
9						16.5	18.1	18.0	16.8	11.9	3.4	1.9
10						11.8	20.4	17.8	16.0	12.0	4.6	1.4
11						17.9	18.3	18.9	15.4	13.1	5.3	0.3
12					9.4	18.5	16.9	18.8	16.1	13.8	3.6	0.1
13					7.6	18.0	19.3	19.8	16.6	15.0	4.5	1.3
14					11.1	17.3	19.4	19.8	13.9	14.8	6.0	-0.8
15					11.3	20.9	18.5	18.0	14.8	12.3	6.0	0.8
16					9.0	19.4	19.5	17.8	17.0	12.1	6.5	-0.6
17					11.8	12.1	18.4	17.5	16.5	12.3	5.5	-1.4
18					9.8	13.4	18.4	17.5	17.5	12.5	5.5	-1.4
19					9.4	15.3	19.8	16.6	15.9	10.4	4.9	-1.3
20					7.6	17.5	18.0	16.3	15.8	8.4	4.6	-1.3
21					6.4	17.9	19.0	16.6	16.1	6.8	5.1	-0.6
22					7.4	19.0	21.3	19.3	17.0	6.3	5.5	-1.1
23					7.9	18.5	19.8	19.4	14.3	6.1	4.6	-1.3
24					10.8	20.1	22.3	18.4	13.9	6.5	4.3	-0.3
25					11.6	20.3	20.8	19.3	13.4	6.3	5.6	-1.0
26					10.3	20.6	21.0	20.5	14.4	9.8	4.8	-1.0
27					8.9	20.9	21.4	21.1	14.3	8.4	3.6	-1.4
28					8.3	20.1	21.1	20.3	14.1	8.0	2.3	-0.1
29					7.3	20.5	19.9	21.1	13.9	9.0	0.8	-0.1
30					9.8	20.5	20.4	19.3	14.0	9.1	-0.4	-0.8
31					9.8		21.0	19.9		9.9		-1.3
Mean					9.2	17.2	19.6	19.1	16.4	10.9	4.8	-1.2

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,
Atlantic Coast of Canada.

Locality.....North Point, P. E. Island.....Year....1951.....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.3	-1.6	-1.0		2.8	9.4	16.3	19.5	18.6	11.1	7.9	2.9
2	-1.5	-1.6	-1.3		2.5	10.1	17.5	19.3	16.6	11.5	7.4	3.6
3	-1.3	-1.5	-1.1		3.3	11.8	17.6	19.1	17.6	11.6	7.9	0.3
4	-1.5	-1.4	-0.9		3.1	13.0	19.0	19.0	18.0	13.1	7.3	0.5
5	-1.4	-1.4	-0.6		3.4	12.3	17.5	21.4	20.3	14.3	16.1	3.0
6		-1.3	-1.1	1.4	4.8	9.3	17.3	21.8	18.3	12.1	5.5	-1.3
7	-1.3	-1.5	-1.3	0.3	3.8	9.6	18.1	20.5	17.6	12.3	6.9	0.1
8	-1.6	-1.4	-1.1	-0.4	7.5	9.6	17.3	19.6	16.8	12.6	6.0	1.5
9	-1.4	-1.6	-1.1	0.1	6.1	11.4	17.6	20.1	15.3	11.6	5.5	-0.6
10	-1.6	-1.6	-1.1	0.3	4.4	12.0	19.9	20.4	15.8	10.8	7.0	-0.5
11	-1.0	-1.8	-1.1		5.0	12.6	20.4	21.3	15.6	11.0	7.5	1.0
12	-1.5	-1.8			3.8	10.1	19.8	20.4	16.3	9.6	6.8	0.5
13	-1.5	-1.6	-1.3	-0.4	5.1	11.1	19.6	18.3	17.3	9.9	7.3	1.0
14	-1.4	-1.4	-1.5	-0.3	5.1	15.5	18.9	20.6	19.4	9.8	5.5	0.9
15	-1.5	-1.6	-1.0	-1.3	4.5	16.4	18.5	20.9	18.6	9.5	5.9	1.1
16	-1.6	-1.3	-0.9	-1.0	6.9	15.1	17.9	20.8	16.4	10.1	5.0	-1.0
17	-1.5	-1.3	-1.0	0.3	7.8	12.0	12.3	20.9	14.0	11.8	6.8	-1.4
18	-1.4	-1.4	-1.3	-0.3	7.3	15.1	12.8	24.5	14.4	10.3	8.8	-0.6
19	-1.5	-1.5	-1.4	-1.3	9.4	15.5	12.0	20.8	14.3	9.6	6.0	-1.0
20	-1.4	-1.5	-1.5	3.0	11.0	17.8	19.9	13.3	9.4	5.9	5.9	-0.5
21	-1.6	-1.5	-1.4	3.8	12.8	15.9	20.1	19.5	14.3	8.6	7.3	-1.3
22	-1.6	-1.4	-1.3	3.8	12.9	15.0	19.9	20.3	13.3	9.6	8.5	-1.4
23	-1.8	-1.5	-1.1	2.3	10.1	15.4	20.3	21.3	13.0	9.6	7.3	-1.0
24	-2.0		-1.1	2.0	11.8	14.4	20.3	19.9	16.1	9.1	8.0	-0.1
25	-1.8	-1.5	-1.0	2.0	11.4	17.3	21.6	18.4	13.1	8.9	9.5	-0.5
26	-1.5	-1.5	-0.9	2.8	10.5	15.5	22.0	17.5	12.6	9.0	6.0	-0.3
27	-1.5	-1.3	-0.9	1.3	11.6	14.5	22.5	18.6	11.9	9.0	4.5	-0.3
28	-1.6	-1.4	-1.1	3.0	13.0	12.9	22.4	19.6	11.6	8.8	3.0	-0.1
29	-1.9		-1.1	11.0	13.4	12.8	21.5	19.6	10.5	8.5	2.4	-1.0
30	-1.8			1.5	11.4	14.3	22.5	18.0	10.8	8.8	2.8	-1.1
31	-1.6		-1.0		9.9		19.9	19.5		8.8		-0.3
Mean	-1.5	-1.4	-1.2	1.1	7.5	13.5	18.8	20.0	14.9	10.2	6.3	-0.3

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....~~North Point~~.....Year...1933.....

Day of the Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-0.8	-1.8	-2.9	0.6	5.5	9.4	18.0	20.8	18.5	12.1	6.4	3.0
2	-0.8	-1.6	-1.1	0.3	7.3	12.0	16.6	21.1	19.4	10.8	7.0	2.4
3	-0.5	-1.8		0.5	4.5	13.4	16.1	22.9	20.5	14.0	5.4	2.9
4	-1.3	-1.8		0.3	5.4	14.6	16.9	17.8	18.0	13.3	4.1	1.8
5	-1.8	-1.6	-1.5	0.0	4.6	15.5	16.1	20.0	19.1	17.5	4.3	2.8
6	-1.5	-1.6	-1.3	0.1	5.0	10.9	15.5	20.9	19.5	15.1	5.5	1.4
7	0.1	-1.5	-0.8	-0.4	8.3	8.6	19.3	21.9	17.4	16.5	5.5	1.9
8	-1.3	-1.8	-0.9	-0.4	5.3	9.3	17.8	19.6	17.3	13.5	4.8	4.6
9	-1.3	-1.8	-1.4	-0.5	5.5	11.4	15.5	19.8	16.9	14.5	4.8	0.5
10	-1.6	-2.1	-1.6	-0.5	9.1	11.1	17.9	21.6	14.6	14.4	4.1	-0.1
11	-1.6	-1.8	-1.5	-0.5	9.8	11.4	17.5	19.0	15.4	13.5	12.4	-0.1
12	-1.8	-1.3	-1.6	-0.5	9.4	14.8	17.5	19.0	15.5	12.0	6.8	-1.5
13	-0.1	-0.8	-1.8	0.6	10.8	14.6	18.8	19.3	13.1	10.0	5.9	-0.5
14	-0.3	-1.6	-1.8	0.1	11.0	14.5	17.5	19.8	14.3	8.5	3.5	-0.5
15	-0.1	-1.5	-1.9	1.0	10.4	13.9	17.9	20.5	14.6	9.3	4.3	
16	-1.5	-1.8	-1.9	-0.8	12.1	15.3	18.3	22.3	17.1	8.4	4.3	-1.0
17	-1.8	-1.6	-1.8	-1.5	14.4	17.3	18.8	20.5	16.3	10.6	6.0	-1.5
18	-1.3	-1.6	-1.5	-1.1	10.9	16.6	17.6	21.3	16.9	9.9	3.8	-1.8
19	-1.8	-1.9	-1.6	0.9	11.5	16.8	18.1	19.5	15.1	8.5	4.0	-1.8
20	-1.8	-2.0	-1.8	2.1	10.6	17.8	18.4	19.4	13.0	8.8	4.9	-1.8
21	-1.6	-2.0	-1.9	1.1	11.8	18.3	18.1	20.5	14.0	10.5	3.0	-1.8
22	-1.5	-1.8	-1.6	2.0	8.4	16.9	17.5	20.8	14.4	10.0	4.3	-1.4
23	-1.5	-1.9	-1.8	2.5	11.8	16.4	18.1	20.0	15.3	8.8	4.0	-1.4
24	-1.4	-1.9	-1.9	2.8	11.1	16.6	19.0	19.3	14.8	9.1	4.5	-1.4
25	-1.8	-1.8	-1.8	4.0	11.8	15.0	20.5	19.4	11.8	8.5	2.5	-1.0
26	-1.9	-1.9	-1.8	2.0	11.3	16.0	21.3	17.8	11.9	8.3	2.1	11.0
27	-1.6	-2.3	0.0	3.3	10.5	16.9	20.0	21.0	14.4	8.5	1.4	-1.3
28	-1.4	-2.0	0.0	2.9	10.5	17.5	21.4	14.8	14.8	9.9	0.3	-1.0
29	11.8	-2.6	0.0	3.8	8.1	19.0	21.5	21.4	13.8	8.3	-0.5	-1.3
30	-1.8		0.3	5.5	11.8	17.0	20.8	17.8	12.6	7.9	1.0	-1.1
31	-1.8		0.3		11.0		20.4	18.0		7.6		-0.1
Mean	-1.3	-1.8	-1.3	1.0	9.4	14.5	18.4	20.1	15.7	10.8	4.2	0.0

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality.....St. Mary's Island.....Year.....1930....

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							7.2	11.3	12.9	8.8	4.6	1.9
2							6.7	7.8	14.1	8.1	4.5	1.1
3							9.4	5.9	14.6	8.0	4.8	2.0
4							10.1	7.8	14.4	6.8	4.6	-0.3
5							11.3		10.9	7.7	4.9	-0.5
6							11.0	8.7	12.6	7.3	4.6	-0.2
7							9.7	9.6	12.8	7.4	3.0	-0.2
8							10.9	9.9	11.8	7.6	3.2	-0.1
9							9.5	9.5	11.7	7.9	4.1	0.3
10							12.3	8.6	9.7	8.2	4.0	0.2
11							12.2	9.1	9.9	8.6	3.6	0.5
12							10.9	9.7	11.1	7.4	4.1	-0.3
13							11.3	9.8	10.2	7.7	4.4	0.3
14							12.3	10.8	9.4	7.0	3.7	-0.1
15							9.6	10.8	9.8	7.0	3.4	-1.5
16							12.6	10.9	11.9	6.9	3.3	-1.1
17							10.8	11.2		6.7	3.1	-1.5
18						3.9	10.9	11.4		6.6	2.6	-1.3
19						3.3	10.9	13.0		6.2	2.3	-0.7
20						6.0	8.3	13.8		6.2	2.4	-1.5
21						7.5	9.5	13.6	10.4	5.3	3.2	-0.4
22						7.3	13.7	14.7	10.1	5.0	3.1	-0.4
23						8.6	14.1	14.9	9.9	5.3	3.0	-0.3
24						7.8	14.0	13.3	9.9	5.4	2.9	-0.7
25						7.2	13.7	12.3	9.8	5.5	3.3	-1.4
26						7.9	13.7	13.4	9.5	4.9	3.2	-1.3
27						8.8	13.6	14.5	10.4	4.8	2.7	-1.6
28						8.1	14.0	15.5	10.1	4.2	1.8	-1.4
29						7.2	11.8	13.5	10.2	5.0	1.2	-1.2
30						8.1	7.0	12.7	9.1	4.2	1.1	-1.2
31							10.9	13.4		5.0		-1.3
Mean						7.0	10.9	11.3	11.0	6.5	3.3	-0.4

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada-

Locality..... St. Mary's Island Year..... 1931

Day of the month.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.6				-0.5	7.8	8.5	10.9	14.3	9.2	6.6	1.9
2	-1.5				-1.5	7.7	8.4	13.5	14.7	7.6	6.9	0.4
3	-2.0				0.2	8.3	9.4	14.8	13.7	7.1	5.5	0.7
4	-2.0				-0.5	7.2	7.7	11.3	14.7	5.9	5.9	0.7
5	-1.9				-0.4	6.2	10.5	14.9	15.2	6.3	6.2	0.4
6	-1.9				0.2	5.5	9.9	13.5	15.0	5.9	5.4	0.4
7	-1.5				1.0	5.9	5.3	13.3	13.2	6.2	5.0	0.8
8	-1.5				1.2	7.2	7.0	11.9	14.5	6.0	5.0	-0.7
9	-1.5				1.7	5.7	8.8	12.2	13.3	6.2	4.9	-0.7
10	-1.6				2.7	10.1	10.7	13.4	13.1	6.2	5.2	0.5
11	-1.5				3.3	7.2	9.7	14.0	13.3	6.3	4.8	0.3
12					3.5	7.4	8.1	13.8	13.2	5.1	4.6	0.2
13					3.4	8.8	6.5	13.6	13.2	5.7	3.8	0.1
14					4.2	9.7	7.9	13.5	12.6	5.8	3.5	-0.5
15					3.8	6.0	9.1	14.0	12.7	5.2	2.7	-1.0
16					2.5	6.1	8.7	14.2	12.5	5.6	2.5	-1.0
17					4.2	6.9	9.3	15.0	12.0	6.2	2.7	-1.5
18					3.3	8.0	9.0	14.5	8.4	6.2	3.3	-1.5
19					3.4	7.4	9.6	15.0	10.4	6.0	2.8	-1.7
20					3.9	6.6	11.8	16.3	10.7	5.7	1.6	-1.6
21					4.3	7.0	9.1	14.6	10.1	6.0	3.0	-1.5
22					3.9	7.1	18.2	16.0	10.1	6.6	2.9	-1.6
23				1.0	5.1	3.8	11.5	14.9	10.1	7.7	2.5	-1.4
24				1.5	5.7	4.0	10.9	15.1	10.1	7.1	2.4	-1.3
25				1.3	5.4	6.1	10.0	13.0	9.6	6.9	2.6	-1.4
26				0.1	3.3	6.0	11.0	10.5	9.5	6.9	2.3	-1.7
27				0.3	5.8	8.7	12.1	13.1	9.1	6.9	1.2	-1.3
28				-0.5	5.6	9.2	11.4	14.2	8.4	6.9	1.2	-1.2
29				0.1	7.7	9.8	10.0	14.3	7.9	6.9	1.5	-1.0
30				-0.2	6.8	9.5	10.5	14.5	7.5	6.8	1.7	-1.1
31					6.6		11.1	14.2		6.3		-1.2
Mean					3.3	7.2	9.5	13.8	11.8	6.4	3.6	1.1

BIOLOGICAL BOARD OF CANADA

Daily and Monthly Mean Temperatures,

Atlantic Coast of Canada.

Locality..... St. Mary's Island..... Year..... 1932.....

Day of the month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.3	-1.8		-0.5	3.1	9.5	9.4	14.4	8.1	6.4	1.1	
2	-1.5	-1.9		-0.6	3.3	8.6	9.7	14.5	7.8	5.5	1.4	
3	-1.4	-1.0		-0.5	5.5	8.7	9.9	13.8	4.5	4.9	1.7	
4	-1.4	-1.7		0.1	6.4	4.4	10.7	15.0	4.3	5.0	0.5	
5	-1.5	-1.0		0.6	7.4	8.6	8.8	10.8	7.0	5.6	1.1	
6	-1.3	-1.6		0.5	8.1	8.5	9.2	13.2	6.5	3.8	1.2	
7	-1.4	-1.8		0.7	5.6	9.1	9.8	13.4	5.8	4.7	0.5	
8	-1.3	-1.0		0.1	5.1	10.0	10.3	7.9	6.5	4.3	1.3	
9	-1.5	-1.7		-0.1	4.6	8.5	10.7	10.2	7.7	3.8	-0.3	
10	-1.8	-0.9		0.3	6.3	9.3	12.2	9.9	7.9	3.5	-1.3	
11	-1.6	-1.0		2.3	6.5	10.4	11.2	10.6	9.2	2.3	-1.1	
12	-1.6	-1.8		2.2	6.0	8.9	10.1	10.4	8.6	3.0	-1.8	
13	-1.7	-1.6		1.4	6.5	10.9	11.6	10.8	6.3	3.6	-1.2	
14	-1.6	-1.6		3.2	6.9	7.5	11.9	11.3	4.2	3.3	-1.4	
15	-1.6	-1.7		2.3	6.8	10.2	11.7	10.1	5.0	3.1	-1.5	
16	-1.7	-1.8		2.7	6.7	10.1	11.9	6.8	5.4	3.2	-1.2	
17	-1.8	-1.8		2.6	7.7	10.8	12.3	8.4	4.8	3.1	-1.3	
18	-1.6	-1.8		2.9	5.4	9.9	12.6	5.8	4.7	2.1	-1.5	
19	-1.7	-1.7		3.9	5.1	10.6	12.3	9.3	4.5	2.5	-1.7	
20	-1.6	-1.7	0.5	3.3	5.6	10.9	13.9	8.2	4.1	2.5	-1.6	
21	-1.0	-1.7	0.5	2.3	7.9	12.3	13.3	10.6	4.9	2.4	-1.7	
22	-1.7	-1.0	0.3	5.3	8.6	13.5	13.8	12.3	4.6	2.4	-1.6	
23	-1.7	-1.0	-0.2	4.8	5.6	11.1	14.0	10.5	5.2	0.9	-1.4	
24	-1.7	-1.9	0.2	3.6	5.6	10.9	13.3	12.0	7.5	1.9	-1.3	
25	-1.9	-1.0	0.3	0.9	5.6	12.1	10.9	11.7	5.9	1.8	-1.2	
26	-0.2	-1.7	0.2	3.2	7.1	12.3	13.0	11.8	5.2	2.2	-0.9	
27	-0.2	-0.6	-0.1	3.9	6.4	11.3	13.7	11.6	4.8	0.4	-1.5	
28	-1.8	-0.6	-0.3	2.7	7.4	11.4	13.7	9.9	5.0	0.2	-0.6	
29	-1.7	-0.7	-0.4	3.8	6.9	11.6	13.3	7.3	4.8	1.4	-1.4	
30	-1.7		-0.3	3.8	9.1	11.6	13.7	8.1		1.6	-0.4	
31	-1.6			5.7		8.5	15.7		4.1		-1.3	
Mean	-1.5	-1.4		2.2	6.2	10.1	11.9	10.7	5.8	3.0	-0.7	



Temperature

Pressure



