

Meteorological Report for March, 1868, Quebec.—Lat. 46°48'30" N., Long. 4h. 44m. 49s. W., height above St. Lawrence 230 ft., by Sergeant John Thurling, A. H. Corps.

BAROMETER.				THERMOMETER.					HYGROMETER.				RAIN.		OZONE.		WIND.			CLOUD.		
Mean for month.	Highest on the 11th.	Lowest on 13th.	Range.	Highest on 31st.	Lowest on 2nd.	Range.	Mean of highest.	Mean of lowest.	Mean for month.	Mean of dry bulb.	Mean of wet bulb.	Mean dew point.	Mean humidity.	Number of days fell.	Amount collected.	Mean at 9 a.m.	Mean at 3 p.m.	General direction.	Estimated force.	Horizontal movement.	At 9 a.m.	At 3 p.m.
(a) 29.776	30.376	29.326	1.040	59°	-21°	80°	59°7'	16°7'	28°2'	30.1	21.7	17.5	57	6	(b) .90	1.0	1.0	W.	1.1	124.2	5.4	5.4

We have received the early proof sheets of corrected results, for the month of January, compiled from the returns of daily observations at ten Grammar School Stations, Ontario, together with the abstract for St. John, N. B., as prepared for publication in the Ontario Journal of Education. In this issue of our Journal we are unable to do more than acknowledge our indebtedness to the Educational authorities at Toronto for their courtesy in furnishing those tables.

Meteorological returns of observations at ten school grammar stations in Ontario for the month of February have also been received.

- (a) The Barometric readings were reduced and corrected.
- (b) The amount for the ground; at 10 feet elevation the amount was .72 inches.
- (c) Snow fell on 6 days.

Abstract of Meteorological Observations.—From the Records of the Montreal Observatory, lat. 45°31' North long; 4h. 54m. 11 sec. West of Greenwich, and 182 feet above mean sea level. For April, 1868. By Chas. Smallwood, M.D., LL.D., D.C.L.

30.034 inches; and the lowest was on the 3rd day, and indicated 28.869 inches—showing a range of 1.165 inches.

The amount of Rain which fell during the month was small, and was 0.241 inches, which was by 0.984 inches than the amount which fell in April, '67.

The amount of Snow which fell was 14.93 inches, which exceeded by 7.03 inches the amount which fell last April, (1867.)

DAYS.	Barometer corrected at 32°			Temperature of the Air.			Direction of Wind.			Miles in 24 hours.
	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	7 a.m.	2 p.m.	9 p.m.	
1	29.289	29.298	29.342	42.7	42.2	39.7	W	NE	NE	109.72 a
2	.350	.350	.365	30.3	32.8	29.2	NE	NE	NE	91.11
3	.461	.460	.460	23.0	36.2	30.0	W	W	W	86.20 b
4	.250	.251	.261	32.0	37.1	28.9	WS	WS	WS	104.24 c
5	.399	.461	.546	13.0	29.7	17.3	NN	EN	NE	121.12
6	.650	.698	.711	12.9	36.4	21.7	W	W	W	194.10
7	.551	.347	.000	27.7	30.3	29.1	SW	SW	SW	101.24 d
8	28.867	.001	.275	29.7	40.3	23.0	W	W	W	99.20 e
9	29.811	.975	30.000	14.9	33.1	23.1	W	W	W	127.10
10	.975	.823	29.700	20.0	39.9	26.3	SW	SW	SW	99.29
11	.523	.410	.299	21.7	46.7	33.6	W	W	W	67.42
12	.591	.650	.761	23.2	33.4	23.1	w by s	n by w	w by s	89.90 f
13	.987	.999	30.034	14.9	40.3	30.9	N	W	W	64.21
14	30.000	.801	29.600	26.9	46.5	40.1	WS	WS	WS	41.11
15	29.501	.302	.300	38.5	61.1	55.0	E	S	SW	67.74
16	.199	.201	.275	52.1	68.2	49.4	WS	WS	WS	67.16 g
17	.301	.300	.299	49.6	68.1	43.4	W	W	W	69.12
18	.562	.747	.800	36.0	37.4	36.2	w by s	w by s	w by s	244.17
19	.998	.874	.811	40.6	61.3	43.0	W	W	W	201.17
20	.899	.671	.672	42.8	63.1	49.7	W	WS	WS	198.24
21	.701	.649	.542	42.3	70.3	51.6	W	W	W	97.27
22	.801	.843	.851	43.0	60.7	44.1	N	SW	W	114.10
23	.850	.979	.999	22.9	40.3	31.9	NE	NE	NE	91.11 h
24	30.002	.999	.995	31.6	43.4	40.4	W	W	W	121.10
25	.041	.960	.911	35.0	56.1	41.7	NE	NE	NE	204.20
26	29.975	.967	.951	34.0	54.4	32.9	NE	NE	NE	77.16
27	.950	.911	.855	33.8	53.0	37.0	E	E	NE	114.10
28	30.000	.959	.946	33.0	60.1	43.0	NE	NE	NE	97.12
29	29.950	.746	.634	37.3	66.2	52.9	NE	S	S	71.10
30	.297	.150	.466	43.4	54.1	34.3	S	WS	NE	51.24 j

— Meteorological Report for month of April, 1868, Quebec, Latitude 46°48'30" N., Longitude 71°12'15" W., height above the St. Lawrence, 230 feet; By Sergt. John Thurling, A. H. Corps.

Barometer, highest reading on the 25th.	30.140 inches.
lowest	28.920
range of pressure	1.220
mean for month, corrected and reduced	29.664
Thermometer, highest reading on the 21st.	66.2 degrees
lowest " 6th "	2.0
range in month	64.0
mean of highest	44.9
lowest	20.2
daily range	24.7
for month	32.5
maximum in sun's rays, black bulb, mean of.	85.5
minimum on grass	82.3
Hygrometer, mean of dry bulb	35.4
wet bulb	30.8
dew point	23.4
Elastic force of vapour	.125 inches.
The weight of vapour in a cubic foot of air	1.4 grains.
Weight of vapour required to saturate do	1.0
Mean degree of humidity (Lat. 100)	60
Average weight of a cubic foot of air	543.8 grains.
Wind, general direction of	North West.
mean daily horizontal movement of	152 miles.
Cloud, mean amount of cloud (0 10)	5.3
Ozone, mean amount of (0 10)	1.0
Rain, number of days it fell	4
amount collected on ground	0.95 inches.
Snow, number of days it fell	11

RAIN IN INCHES.—a, g Inapp; j 0.241.
 SNOW IN INCHES.—b 1.46; c, e Inapp; d 6.09; f 0.24; h 7.14.
 The mean temperature of the month was 38.95 degrees, showing a decrease in Temperature of 2.85 degrees compared with the mean temperature of April, 1867, when the mean temperature was 41.80 degrees.
 The Isothermal for Montreal for the month of April, reduced from observations taken during a series of years, has been fixed at 45.80 degrees, showing that in the present month of April, the temperature was 6.85 degrees colder than the mean annual average temperature.
 The highest reading of the Barometer was on the 13th day, and was

December in Australia.—The thermometer at the Melbourne observatory reached 104 degs. in the shade on the 19th. An instance of the extreme variability of temperature in the climate is afforded by the fact that at Grant, on the Crooked River, on the 10th, the heat was very great, the glass standing at 88 degs. in the shade—an altitude uncommon in that Alpine locality. On the 12th, only two days afterwards—the temperature was at freezing point and snow was lying six inches deep on the plains.