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**THE JOURNAL OF EDUCATION.**

FOR THE PROVINCE OF QUEBEC.)

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**TERMS:** Subscription per annum \$1.00 for those not entitled to receive the Journal free.

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All communications relating to the *Journal* to be addressed to the Editors.

**ABSTRACT FOR THE MONTH OF FEBRUARY, 1879.**

OF TRI-HOURLY METEOROLOGICAL OBSERVATIONS TAKEN AT MCGILL COLLEGE OBSERVATORY, HEIGHT ABOVE SEA LEVEL, 187 FEET.

Day.	THERMOMETER.				BAROMETER.				+ Mean pressure of vapor	† Mean relative humidity.	WIND.		SKY CLOUDED IN TENTHS.			Rain and snow melted.	Day.
	Mean.	Max.	Min.	Range	Mean.	‡ Max.	‡ Min.	Range			General direction.	Mean velocity in m. p. hour.	Mean	Max	Min.		
Sunday 1	10.69	17.7	1.9	15.8	29.6287	29.652	29.594	.058	.0517	73.0	N. W.	17.9	6.2	10	0	0.23	1
2	.....	22.5	2.3	20.2	.....	.....	.....	.....	.....	.....	W.	33.1	.....	.....	.....	0.25	2 Sunday
3	23.22	29.0	16.8	12.2	29.6666	29.774	29.637	.077	.0962	77.5	W.	18.5	9.2	10	4	Inapp.	3
4	26.01	34.4	22.2	12.2	29.8400	29.955	29.697	.253	.1036	71.2	W.	14.7	7.0	10	0	.....	4
5	23.45	29.0	19.6	9.4	29.8429	29.958	29.760	.198	.1025	81.7	.....	1.2	8.9	10	3	Inapp.	5
6	20.40	26.0	13.2	12.8	29.8582	29.911	29.772	.139	.0909	82.6	W.	4.5	7.4	10	0	.....	6
7	26.96	30.0	16.6	13.4	30.0174	30.081	29.940	.141	.0990	79.5	W.	8.0	9.4	10	6	0.01	7
8	17.27	26.2	12.7	13.5	30.2677	30.362	30.096	.266	.0709	67.5	W.	12.1	4.2	10	0	.....	8
Sunday 9	.....	26.9	4.5	22.4	.....	.....	.....	.....	.....	.....	.....	21.1	.....	.....	.....	0.44	9 Sunday
10	3.67	8.3	-6.2	14.4	30.3886	30.548	30.089	.459	.0356	68.4	E.	9.7	4.6	10	0	.....	10
11	14.24	22.5	2.2	20.3	29.8725	30.046	29.585	.461	.0765	85.9	E.	12.7	9.5	10	6	0.60	11
12	16.27	23.8	1.7	22.1	29.3014	29.485	29.112	.372	.0789	82.4	N. W.	21.2	8.2	10	0	0.47	12
13	1.80	8.8	-3.3	12.1	29.7699	30.013	29.545	.468	.0365	78.2	W.	24.0	2.7	10	0	.....	13
14	-2.01	5.7	-8.4	14.1	30.1132	30.171	30.031	.140	.0280	71.4	W.	12.5	0.7	3	0	.....	14
15	1.92	12.0	-9.3	21.3	30.2707	30.324	30.208	.116	.0356	76.0	S. W.	11.3	2.6	9	0	.....	15
Sunday 16	.....	25.6	3.0	12.6	.....	.....	.....	.....	.....	.....	.....	15.0	.....	.....	.....	0.01	16 Sunday
17	5.74	15.0	-4.1	19.1	30.4837	30.580	30.341	.239	.0393	69.4	N. E.	12.4	3.2	10	0	.....	17
18	7.51	13.0	2.0	11.6	30.2954	30.384	30.235	.149	.0471	76.7	N. E.	17.5	6.0	10	0	0.01	18
19	6.25	18.3	-3.3	21.6	30.3665	30.448	30.243	.205	.0436	74.4	N. E.	-9.7	1.2	8	0	.....	19
20	11.57	17.3	0.9	16.4	30.1166	30.193	30.063	.130	.0620	82.9	N. E.	12.6	6.4	10	0	0.32	20
21	6.15	12.7	2.0	10.7	29.0980	30.144	30.046	.098	.0400	89.1	N. W.	15.6	0.0	9	0	.....	21
22	7.06	14.6	-4.1	18.7	29.8489	30.080	29.564	.516	.0431	70.1	S.	11.2	5.6	10	0	0.02	22
Sunday 23	.....	22.8	11.0	11.8	.....	.....	.....	.....	.....	.....	.....	13.4	.....	.....	.....	0.03	23 Sunday
24	8.11	17.8	0.6	17.2	29.7286	29.963	29.560	.403	.0419	65.5	W.	18.4	3.0	10	0	0.08	24
25	5.52	14.9	-9.7	24.6	30.0275	30.132	29.877	.255	.0416	71.9	N. E.	8.2	6.6	10	0	0.12	25
26	25.14	37.3	8.6	28.7	29.6875	29.914	29.480	.434	.1151	80.6	.....	15.7	10.0	10	10	0.23	26
27	0.51	23.0	-8.4	31.4	30.3492	30.646	30.017	.629	.0329	70.3	W.	21.0	1.0	8	0	.....	27
28	-3.27	8.9	-14.5	23.1	30.7171	30.854	30.695	.159	.0235	62.7	N.	6.8	1.1	8	0	.....	28
Means.....	10.924	20.14	2.52	17.62	30.0257	.....	.....	.2655	.05963	74.67	.....	14.32	5.02	.....	.....	.....	.....

\* Barometer readings reduced\* to sea-level and temperature of 32o Fahr. † Pressure of vapor in inches mercury. ‡ Humidity relative, saturation being 100. § Observed.

Mean temperature of month, 10.924. Mean of max. and min. temperatures, 11.33. Greatest heat was 37.3. on the 26th; greatest cold was 14.5 below zero on the 28th,—giving a range of temperature for the month of 51.8 degrees. Greatest range of the thermometer in one day was 31.4 on the 27th; least range was 9.4 degrees on the 5th. Mean range for the month was 17.6 degrees. Mean height of the barometer was 30.02574. Highest reading was 30.854 on the 28th; lowest reading was 29.112 on the 12th; giving a range of 1.742 in. Mean elastic force of vapor in the atmosphere was equal to .05989889 in. of mercury. Mean relative humidity was 74.7. Maximum relative humidity was 100 on the 28th. Minimum relative humidity was 44.9 on the 21st. Mean velocity of the wind was 14.3 miles per hour; greatest mileage in one hour was 39 on the 2nd. Greatest velocity in gusts was equal to 56 miles per hour, on the 26th. Mean direction of the wind, W. N. W. Mean of sky clouded, 50 per cent. Rain fell on 1 day. Total rainfall was 0.03 inches. Snow fell on 16 days. Total snow fall was 27.4 in., equal to 2.79 in. of water. Total precipitation in inches of water 2.92. Rain or snow fell on 16 days.