

**ABSTRACT FOR THE MONTH OF FEBRUARY, 1878.**

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.	Me'n velocity in m. p. hour.	Mean	Max	Min.		
1	11.65	15.0	5.5	9.5	30.144	30.230	30.110	.113	.0563	75.9	N. E.	24.7	7.1	10	0		1
2	8.66	6.8	2.5	14.3	30.306	30.344	30.233	.111	.0486	68.0	N.	10.4	0.7	3	0		2
3	25.5	1.9	23.6								W.	10.0					3 Sunday
4	26.30	31.8	21.6	10.2	29.889	29.990	29.840	.150	.1155	81.5	W.	20.1	5.6	10	0	Inapp.	4
5	24.25	34.5	12.7	21.8	29.9304	29.999	29.856	.143	.1122	86.1	W.	15.2	2.6	10	0	Inapp.	5
6	29.26	35.5	24.9	10.6	30.0614	30.130	29.991	.130	.1317	81.7	W.	17.0	7.5	10	0		6
7	33.40	42.7	22.9	19.8	29.9325	29.992	29.824	.168	.1420	74.6	W.	12.7	4.7	10	2		7
8	36.5	45.0	30.7	14.3	29.7099	29.790	29.643	.147	.1339	62.5	N. W.	7.2	6.2	10	4		8
9	22.00	33.0	16.0	17.0	29.8360	29.962	29.663	.309	.0777	64.1		22.6	8.8	10	3		9
10	17.1	11.6	5.5								E.	11.9				0.32	10 Sunday
11	10.21	18.0	4.5	3.5	29.7859	29.893	29.634	.259	.462	66.1	W.	15.3	2.1	10	0		11
12	17.71	26.2	4.9	21.3	29.7886	29.902	29.698	.204	.0855	81.0	S. W.	19.9	8.4	10	4	0.05	12
13	22.94	30.8	12.0	18.8	29.8714	30.093	29.708	.385	.0846	66.5	N. W.	18.5	4.	10	0		13
14	9.99	20.6	2.5	18.1	30.1571	30.218	30.111	.10	.0409	59.1	N. E.	6.4	1.5	5	0		14
15	8.89	21.0	-2.0	23.0	30.0437	30.108	9.983	.125	.9416	63.6	E.	5.3	3.6	8	1		15
16	18.92	31.0	6.5	24.5	30.0056	30.031	29.989	.042	.0644	63.6	W.	11.3	4.9	10	1		16
17	31.0	14.0	17.0								W.	11.2				0.03	17 Sunday
18	9.21	16.8	1.5	15.3	30.1682	30.21	30.086	.127	.0379	57.6	N. W.	10.1	1.6	6	0		18
19	13.44	23.3	3.2	20.1	30.1824	30.248	30.130	.118	.0481	59.1	N. W.	9.7	4.9	10	0		19
20	20.64	26.2	11.3	14.9	30.0382	30.122	29.986	.136	.0806	79.0	E.	9.0	9.6	10	7	0.07	20
21	26.30	34.2	21.9	12.3	30.1012	30.163	30.030	.133	.1182	83.2	N. E.	11.0	8.6	10	2	Inapp.	21
22	30.00	30.0	21.6	12.4	29.9680	30.125	29.769	.356	.1411	94.7	E.	14.6	10.0	10	10	0.58	22
23	33.05	37.5	28.0	9.5	29.7091	29.731	29.696	.135	.1631	87.1		8.8	10.0	10	10	0.22	23
24	38.7	27.5	11.2								W.	15.7				0.01	24 Sunday
25	24.94	29.2	21.0	8.2	29.8771	29.901	29.842	.059	.1062	79.4	W.	17.2	10.0	10	10	Inapp.	25
26	27.21	34.0	20.1	13.9	29.9484	30.010	29.888	.122	.074	72.4	W.	22.0	8.1	10	1	Inapp.	26
27	33.76	42.7	26.7	16.0	29.9192	29.973	29.862	.111	.1314	68.4	W.	24.5	0.7	3	0		27
28	30.16	37.2	13.7	23.5	29.9760	30.335	29.855	.480	.1242	69.7	N. W.	20.0	7.0	10	0	Inapp.	28
Means.....	22.058	30.71	14.41	16.30	29.9734			.1741	09352	72.25		15.12	57.5				Means.

\* Barometer readings reduced to sea level, and to temperature of 32° Fahrenheit, † Pressure of vapor in inches of mercury. ‡ Humidity relative, saturation 100. § Observed.  
 Mean temperature of month, 22.06. Mean of max. and min. temperatures, 22.56. Greatest heat was 45.0 on the 8th; greatest cold was -2.0 on the 15th,—giving a range of temperature for the month of 47.0 degrees. Greatest range of the thermometer in one day was 24.5 on the 16th; least range was 5.5 degrees on the 10th. Mean range for the month was 16.3 degrees. Mean height of the barometer was 29.9734. Highest reading was 30.344 on the 2nd; lowest reading was 29.634 on the 11th; giving a range of 0.710 in. Mean elastic force of vapor in the atmosphere was equal to .0935 in. of mercury. Mean relative humidity was 72.2. Maximum relative humidity was 100 on the 5th and 21st. Minimum relative humidity was 40 on the 18th. Mean velocity of the wind was 15.12 miles per hour; greatest mileage in one hour was 32 on the 27th. Greatest velocity in gusts was at the rate of 36 miles per hour on the 1st, 9th and 27th. Mean direction of the wind, west, north-west. Mean of sky clouded 57 per cent.  
 Rain fell on 3 days. Snow fell on 12 days. Rain or snow fell on 13 days.  
 Total rainfall, 0.28 inches. Total snowfall 10.2 in., equal to 1.00 in. water. Total precipitation in inches of water was 1.28.