

Meteorology.

—From the Records of the Montreal Observatory, for May, 1870,—
By CHAS. SMALLWOOD, M.D., LL.D., D.C.L.

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	29.814	29.989	30.101	47.9	70.0	48.1	W	W	W	77.11
2	30.229	30.117	.079	47.2	72.6	54.1	W	W	W	66.54
3	.001	29.904	29.611	51.6	82.4	65.5	W	W	W	104.12
4	29.551	.774	.887	62.2	62.1	48.1	W	N	N	57.29
5	30.000	.886	.861	42.0	73.1	51.2	N	N E	N E	84.11
6	29.001	.642	.573	46.3	65.1	59.9	N by W	E	E	194.10
7	.460	.500	.551	42.0	69.2	51.7	E	N E	N E	91.00
8	.649	.671	.700	40.1	79.7	49.1	S W	S W	S W	87.10
9	.725	.800	.869	51.2	52.2	42.1	N E	N E	N E	211.66
10	.900	.904	.912	41.9	46.8	39.7	N E	N E	N E	197.24
11	.924	.891	.849	43.1	48.2	46.2	N E	N E	N E	204.11
12	.701	.700	.749	41.1	44.3	43.7	N E	W	W	97.27
13	.778	.817	.861	44.9	62.4	52.7	W	E	S W	86.74
14	.900	.847	.751	48.0	70.4	53.1	N by E	W	W	90.00
15	.849	.849	.850	57.3	81.2	61.1	W	W S W	W S W	211.29
16	.912	.929	30.001	51.9	52.1	50.0	N E	N E	N E	204.11
17	30.079	30.082	.087	45.3	75.2	54.1	N E	N E	N E	297.47
18	.150	.098	29.998	50.3	79.1	62.2	N E	N E	S W	104.12
19	.061	.002	.949	57.9	80.1	70.0	S W	S W	S W	69.12
20	.125	.131	30.134	58.9	71.2	62.2	S W	N by W	N by W	74.00
21	.211	.121	.100	49.7	47.7	42.0	N by W	N E	N E	64.29
22	.213	.204	.112	44.4	71.6	55.1	N by E	N E	W	84.12
23	.087	29.957	29.911	52.2	63.0	59.0	W	W	W	109.28
24	29.661	.674	.698	50.9	49.3	47.1	E	N E	N E	177.12
25	25.712	.760	.900	47.0	64.1	53.0	N E	W S W	W S W	89.20
26	30.001	30.059	30.097	48.9	70.2	86.1	W	S W	W	94.21
27	.151	.079	.000	50.2	79.9	60.3	W	N E	N E	71.11
28	29.967	29.899	29.849	56.3	84.2	54.1	N E	N E	N E	69.97
29	.910	.924	.946	59.7	88.2	73.0	N E	W S W	W S W	57.12
30	30.064	30.100	30.151	63.2	88.6	75.7	W S W	W S W	W S W	89.71
31	.257	.201	.100	65.6	89.3	69.1	S W	S W	S W	74.70

Remarks.—The highest reading of the Barometer was on the 31st, and indicated 30.257 inches; the lowest reading was on the 7th, and was 29.460 inches, giving a monthly range of 0.797 inches. The highest temperature was on the 31st, and was 89° 3 degrees; the lowest was on the 10th, and was 39° 7 degrees. Rain fell on seven days, amounting to 2.141 inches. The mean temperature for the month was 60° 74 degrees, which is 3° 34 degrees higher than the *isotherm* for Montreal for the month of May, deduced from observations during a long series of years.

—Meteorological Observations taken at Quebec, during the month of May, 1870; by Sergt. John Thurling, A. H. C., Quebec.

Barometer, highest reading on the 31st.....	30.100 inches.
" lowest " " 7th.....	29.290
" range of pressure.....	0.810
" mean for month (reduced to 32°).....	29.652
Thermometer, highest reading on the 30th in shade....	93.3 degrees.
" lowest " " 5th.....	32.6
" range in month.....	60.7
" mean of highest.....	65.2
" mean of lowest.....	42.4
" mean daily range.....	22.8
" mean for month.....	53.8
" highest reading in sun's rays.....	125.5
" lowest temperature on the grass.....	29.0
Hygrometer, mean of dry bulb.....	56.6
" " wet bulb.....	47.6
" " dew point.....	39.2
" elastic force of vapour.....	.239
" vapour in a cubic foot of air.....	2.7 grains.
" " required to saturate do.....	2.3
" mean degree of humidity (Sat. 100).....	52
" average weight of a cubic foot of air.....	532.6
Cloud, mean amount of, (0-10).....	5.1
Ozone, " " (0-10).....	4.0
Wind, mean direction of " North.....	6.00 days.
" " " East.....	10.75
" " " South.....	5.50
" " " West.....	7.25
" " " Calm.....	1.50
" force by estimation 0-12.....	2.5
" daily horizontal movement.....	135.8 miles.
Rain fell on.....	11 days.
Amount collected.....	1.94 inches.

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