

METEOROLOGICAL INTELLIGENCE.

—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 Nov., 1869,—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	29.861	29.914	30.019	39.6	32.6	33.0	S W	S W	S W	78.21
2	30.049	30.225	.261	34.1	40.0	36.1	S W	S W	S W	80.00
3	.126	.049	.050	36.0	42.6	40.2	S W	S W	S W	71.11
4	.000	29.873	29.775	38.3	66.2	45.6	S W	S W	S W	67.29
5	29.561	.599	.610	48.2	52.3	47.2	S W	S W	S W	67.24
6	.611	.672	.701	46.0	47.6	36.0	S W	wby N	W	102.29
7	.445	.212	.211	50.1	29.7	28.0	N E	N E	nby E	114.11
8	.151	.299	.411	25.1	32.0	29.9	W	W	W	247.10
9	.501	.511	.560	26.9	32.0	31.9	W	W	W	211.44
10	.620	.649	.749	29.1	31.0	28.0	W	W	W	104.00
11	.752	.759	.772	21.3	32.0	27.2	W	W	W	97.74
12	.800	.911	.948	26.0	32.0	28.7	W	W	W	101.00
13	30.050	30.062	30.100	25.9	40.0	29.9	W	W	W	99.74
14	.030	29.992	29.990	29.0	29.1	25.6	N E	N E	N E	87.20
15	29.948	.998	30.011	23.1	25.5	23.0	W	W	W	91.00
16	30.801	30.197	.225	20.9	29.9	22.9	nby W	nby W	nby W	157.74
17	29.660	29.510	29.315	24.0	52.1	31.9	N E	N E	N E	97.10
18	.251	.772	.851	28.1	50.2	25.9	W	W	W	211.24
19	30.017	30.001	.952	24.6	32.1	39.0	W	N E	N E	304.10
20	29.550	29.422	.964	33.0	45.6	34.7	E	E	W	91.44
21	.801	.917	30.000	26.2	28.3	24.1	W	W	W	199.20
22	30.201	30.157	.148	12.2	31.3	23.0	W	W	W	89.94
23	29.951	29.996	.021	23.0	26.2	25.2	N E	N E	N E	104.21
24	30.257	30.372	.391	24.0	30.4	22.0	W	N	nby W	65.10
25	.462	.412	.375	11.8	21.9	20.2	W	nby W	W	77.00
26	.311	.247	.191	15.6	22.4	21.7	N E	N E	N E	94.10
27	29.921	29.910	29.850	21.7	24.7	23.0	N E	N E	N E	70.44
28	.961	30.011	30.042	24.2	32.0	26.0	W	W	W	81.11
29	30.060	.042	.000	26.5	32.1	31.9	W	W	W	97.10
30	59.558	29.541	29.575	35.0	38.1	38.4	S W	S W	S W	77.20

REMARKS.

The highest reading of the Barometer was on the 25th, and indicated 30.462 inches; the lowest was on the 8th, and was 29.151, giving a monthly range of 1.311 inches.

The highest temperature was on the 4th, and was 66° 2'; the lowest occurred on the 25th, and was 11° 1', giving a monthly range of 55° 1'. The mean temperature was 30° 25', which is 2° lower than the *Isotherm* for Montreal for the month of November, deduced from a long series of observations.

Rain fell on three days amounting to 0.654 inches. Snow fell on nine days, amounting to 13.96 inches which, added to 6.49 inches which fell in October, gives 20.45 inches, which is a very large amount for the season.

—Meteorological Observations taken at Quebec, during month of November, 1869; Latitude 46° 48' 30" North; Longitude 71° 12' 15" West; Height above St. Lawrence 230 feet,—by Sergt. John Thurling, A. H. C., Quebec.

Barometer, highest reading of, was on the 25th.....	30.225 inches.
“ lowest “ “ 7th.....	28.667
“ range of pressure.....	1.558
“ mean for month (reduced to 32°).....	29.603
Thermometer, highest reading on the 4th.....	53.0 degrees.
“ lowest “ “ 25th.....	7.8
“ range in month.....	45.2
“ mean for month.....	29.1
“ Maximum in Sun's rays, mean of (black bulb.)	44.5
“ Minimum on Grass, mean of.....	23.8
Hygrometer, mean of dry bulb.....	29.3
“ “ wet bulb.....	27.4
“ “ dew point.....	20.6
“ elastic force of vapour.....	.111 inches.
“ vapour in a cubic foot of air.....	1.3 grains.
“ “ required to saturate do.....	0.6
“ mean degree of humidity (Sat. 100).....	68
“ average weight of a cubic foot of air.....	562.0 grains.
Cloud, mean amount of, (0-10).....	8.1
Ozone, “ “.....	2.4
Wind, general direction.....	S.W. and W.
“ mean daily horizontal movement.....	143.2 miles.
Rain, number of days it fell.....	3
“ Amount collected on ground.....	0.27 inches.
Snow, number of days it fell.....	16

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