

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 October, 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	30.199	30.177	30.099	57.0	73.0	63.1	W	W	W	99.24
2	.06	29.951	29.947	58.2	82.0	66.8	W	W	W	77.29
3	29.900	.871	.900	57.0	85.6	53.7	SW	W	W	114.00
4	.663	.401	.349	53.3	84.6	50.0	NE	NE	NE	81.14
5	.600	.779	.851	45.0	52.9	44.0	NE	wbyN	nbyE	89.12
6	30.026	30.000	30.041	40.0	64.0	48.0	W	W	W	104.00
7	.151	.147	.123	44.0	64.7	53.0	W	W	W	67.77
8	.243	.901	.151	45.2	68.9	57.0	W	W	W	51.10
9	.199	.117	.034	49.0	78.3	63.0	SW	SW	SW	91.11
10	29.999	29.971	29.900	55.0	69.4	85.9	SW	SW	SW	101.44
11	.650	.600	.653	46.0	63.2	81.9	W	W	W	91.21
12	.842	.701	.710	49.0	57.0	48.1	W	SW	SW	104.20
13	.662	.549	.500	45.0	45.3	43.0	SW	N	W	91.10
14	.682	.662	.697	36.1	48.9	43.0	W	W	W	104.24
15	.729	.800	.811	43.0	52.1	48.0	W	W	W	67.24
16	.801	.800	.800	42.3	53.1	44.1	W	W	W	109.10
17	.780	.614	.770	38.1	57.9	41.0	W	SW	W	88.00
18	.775	.760	.820	38.1	49.4	39.8	W	W	W	77.11
19	.911	.762	.781	57.0	40.0	35.7	W	W	W	64.10
20	.851	.800	.752	31.0	53.0	41.0	W	W	W	77.29
21	.800	.711	.751	39.3	49.2	41.1	W	W	W	97.20
22	.899	.911	.950	41.2	54.9	45.7	W	wbyN	W	71.11
23	.871	.714	.496	41.0	42.0	42.0	W	SW	SW	101.00
24	.772	.821	.840	40.2	43.7	35.8	wbyN	W	W	219.10
25	30.152	30.193	30.249	31.0	50.3	34.4	W	W	W	104.24
26	.111	.054	.060	31.9	36.4	32.7	W	W	W	94.69
27	.049	.024	.000	27.0	36.0	28.1	nbyW	nbyW	nbyW	90.00
28	30.710	29.662	29.554	28.0	28.7	30.3	W	W	W	56.24
29	.852	.860	.700	32.1	37.2	33.0	W	SW	SW	29.24
30	.852	.910	30.053	51.7	34.9	30.2	NE	W	W	69.00
31	30.150	30.101	.049	26.0	38.6	29.7	W	W	W	77.28

REMARKS.

The highest reading of the Barometer was on the 9th day, and indicated 30.249 inches; the monthly range was 0.900 inches.

The highest temperature was 82°; the lowest 24° 7'. The mean temperature of the month was 46° 13', which is a fraction of a degree higher than the *Isotherm* for Montreal for the month of October, deduced from observations during a long series of years.

Rain fell on ten days, amounting to 6.827 inches. Snow fell on five days, amounting to 6.49 inches, which is a very large amount for the month of October.

—Meteorological Observations taken at Quebec, during the month of October, 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 on the 8th.....	30.076 inches.
“ lowest “ “ 4th.....	29.156
“ range of pressure.....	0.920
“ mean for month (Reduced to 32°).....	29.626
Thermometer, highest reading on the 10th.....	72.2 degrees.
“ lowest “ “ 28th.....	19.5
“ range in month.....	52.7
“ mean for month.....	44.3
“ Maximum in Sun's rays, mean of (black bulb.)	69.2
“ Minimum on Grass mean of.....	37.2
Hygrometer, mean of dry bulb.....	45.2
“ “ wet bulb.....	41.8
“ “ dew point.....	37.9
“ elastic force of vapour.....	.228 inches.
“ vapour in a cubic foot of air.....	2.6 grains.
“ “ required to saturate do.....	0.8
“ mean degree of humidity (Sat. 100).....	75
“ average weight of a cubic foot of air.....	543.4 grains.
Cloud, mean amount of (0-10).....	7.3
Ozone, “ “.....	1.4
Wind, general direction.....	S. W.
“ mean daily horizontal movement.....	127.8 miles.
Rain, number of days it fell.....	12
“ Amount collected on ground.....	6.33 inches.
Snow, number of days it fell.....	4

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