

— From the Records of the Montreal Observatory, Lat. 45° 31' North; Long. 4h. 54m. 11sec. West of Greenwich, and 182 feet above mean sea level for May, 1869.—By Charles Smallwood, M.D., LL.D., D.C.L.

DAY.	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	29.574	29.557	29.451	33.4	54.6	42.1	W	SW	SW	89.74
2	.225	.149	.050	41.2	39.7	33.0	N	E	E	97.70
3	28.875	28.842	.043	33.1	40.2	37.7	N	N	N	88.24
4	29.151	29.301	.325	38.0	42.1	40.2	W	NE	NE	69.74
5	.451	.518	.649	40.0	56.2	41.7	N	NE	NE	99.84
6	.700	.627	.541	36.1	66.2	53.0	NE	NE	NE	101.10
7	.626	.637	.650	50.1	73.7	54.2	NE	NE	W	91.11
8	.626	.600	.551	47.8	76.4	56.2	NE	W	W	86.74
9	.500	.459	.499	52.8	61.1	53.9	NE	NE	NE	104.10
10	.531	.517	.462	47.3	76.2	56.7	NE	W	W	97.97
11	.349	.347	.350	52.0	78.9	54.7	WSW	WSW	WSW	67.24
12	.449	.479	.501	50.2	52.7	46.2	NE	NE	NE	211.04
13	.422	.414	.310	44.9	54.1	43.3	NE	NE	NE	191.10
14	.112	.109	.111	47.0	56.0	47.0	NE	NE	NE	211.21
15	.111	.174	.200	46.0	49.2	44.9	NE	NE	NE	247.16
16	.151	.109	.041	46.9	52.6	47.0	NE	NE	NE	279.94
17	.050	.197	.208	47.2	49.2	47.9	NE	NN	NE	141.10
18	.361	.362	.450	46.9	48.4	48.0	W	W	W	97.90
19	.450	.411	.362	50.0	52.6	53.0	W	W	W	101.10
20	.411	.442	.511	54.1	56.1	49.9	NE	W	W	98.12
21	.550	.537	.500	44.2	55.0	48.7	W	NE	NE	71.12
22	.451	.449	.449	46.3	58.4	52.2	NE	NE	NE	81.10
23	.401	.462	.449	52.1	71.2	59.6	W	W	W	107.24
24	.502	.501	.449	53.9	78.4	66.2	WSW	WSW	WSW	117.19
25	.498	.462	.420	59.7	78.0	67.9	W	W	W	204.12
26	.525	.447	.650	57.0	44.1	42.0	NE	NE	W	119.10
27	.702	.722	.747	38.2	58.6	54.7	N	N	NE	199.74
28	.812	.657	.611	47.3	70.1	52.8	NE	SW	SW	101.00
29	.601	.619	.675	54.4	73.5	58.0	SW	S	W	88.24
30	.701	.602	.560	57.9	78.6	63.3	W	W	W	91.11
31	.551	.459	.478	63.1	72.2	65.8	W	WSW	WSW	88.24

REMARKS.

The highest reading of the Barometer was on the 27th day, and was 29.747 inches; and the lowest reading was on the 3rd day, and indicated 28.842 inches, giving a monthly range of 0.905 inches. The highest reading of the Thermometer was on the 30th day, and was 78° 6'; the lowest reading was on the 1st day, and was 32° 9', showing a monthly range of 45° 7'. The mean temperature of the month was 52° 96', which is a trifle lower than the *Isotherm* of the month of May, for Montreal, reduced from observation during a long series of years.

Rain fell on 13 days, amounting to 2.855 inches. Snow fell on 2 days, amounting to 3.14 inches; making a total amount of 170.53 inches for the winter 1868-9.

ADVERTISEMENT.

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METEOROLOGICAL INTELLIGENCE.

— Meteorological observations taken at Quebec during the month of May, 1869—Lat. 46°48'30" North; Longitude 71°12'15" West; height above St. Lawrence, 230 feet, by Sergt. John Thurling. (1)

Barometer, highest reading on the 28th.....	29.945 inches.
"    lowest    "    3rd.....	29.017
"    range of pressure.....	0.928
"    mean for month reduced to 32°.....	29.530
Thermometer, highest reading on the 25th.....	81.2 degrees.
"    lowest    "    1st.....	27.0
"    range in month.....	54.2
"    for month.....	50.1
"    mean of maximum in sun's-rays, black bulb..	94.1
"    mean of minimum on grass.....	39.1
Hygrometer, mean of dry bulb.....	52.7
"    wet bulb.....	46.9
"    dew point.....	40.5
Elastic force of vapour.....	.252 inches.
Vapour in a cubic foot of air.....	2.8 grains.
"    required to saturate, do.....	1.6    "
Mean degree of humidity (Sat. 100).....	63
Average weight of a cubic foot of air.....	534.6 grains.
Cloud, mean amount of (0-10).....	6.8
Ozone    "    (0-10).....	1.0
Wind, general direction.....	E. and S. E.
Mean daily horizontal movement.....	128.7 miles.
Rain, number of days it fell.....	13
amount collected on ground.....	2.74 inches.

(1) Correction of error in May number :—

- Barometer — read lowest on 21 instead of 31.
- Hygrometer— read mean of dry bulb 39.2 instead 35.8.
- "    read mean of wet bulb 35.8 instead of 39.2.