

—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 August, 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	29.861	29.897	29.860	70.0	87.1	74.1	W	NE	NE	214.10
2	.849	.822	.911	58.3	74.2	64.1	NE	NE	N	192.27
3	.901	.824	.300	57.6	77.2	69.1	N	SW	SW	97.70
4	.762	.730	.760	68.0	86.7	74.3	SW	SW	WSW	110.44
5	.674	.711	.750	65.0	80.0	67.9	SW	W	N	120.21
6	.901	.858	.850	66.0	73.1	72.6	N	E	S	110.00
7	.961	.994	30.001	69.7	86.4	74.2	SW	W	W	98.74
8	.950	.951	29.954	71.1	89.0	80.1	WSW	sby N	W by S	84.10
9	30.059	.997	.951	74.2	85.2	75.0	W	SW	W	109.29
10	.047	30.049	30.052	69.6	86.2	77.3	W	W	W	124.14
11	.100	.098	.101	71.1	89.4	78.0	W	W	W	117.10
12	29.996	29.999	29.950	72.1	75.4	73.7	W	NE	SW	89.40
13	30.114	.992	.924	65.0	68.2	67.7	W	W	W	114.20
14	29.921	.875	.900	62.0	78.0	66.0	W	W	N	111.00
15	.998	.974	.949	57.1	76.2	64.2	wbyn	W	W	104.27
16	.874	.791	.730	58.4	86.1	70.1	W	WSW	SW	94.10
17	.676	.654	.568	65.2	82.0	72.1	W	W	W	101.00
18	.781	.842	.901	68.0	83.4	70.0	W	W	W	304.10
19	.950	.917	.850	67.1	92.6	79.0	W	SW	W	191.16
20	.951	30.021	30.160	71.4	89.6	68.7	W	W	W	144.20
21	30.199	.200	.202	60.2	76.4	66.2	NE	NE	NE	101.00
22	.200	.181	.125	61.0	71.2	65.0	NE	NE	W	91.11
23	.101	.100	.002	61.9	74.2	68.0	W	W	W	84.17
24	.101	.002	29.984	67.4	85.0	72.6	W	S	S	81.74
25	29.899	29.700	.700	69.4	78.2	73.0	S	W	W	74.10
26	30.148	30.161	30.260	54.6	69.9	60.1	W	W	E	211.12
27	.346	.211	.164	54.7	71.6	64.0	W	W	W	89.10
28	.150	.051	.011	59.7	80.0	59.6	W	W	W	114.20
29	29.898	29.717	29.652	62.0	71.0	70.2	W	W	W	98.20
30	.801	.860	.926	63.0	76.3	67.0	W	W	W	214.12
31	.950	.967	.987	61.1	72.0	64.1	W	W	W	301.17

The highest reading of the Barometer was on the 27th day, and indicated 30.346 inches. The lowest reading was on the 29th day, giving a range of 0.694 inches. The highest temperature was on the 19th day, and was 93° 1. The lowest was on the 26th day, and was 53°. The mean temperature of the month was 71° 43, which is 1° 73 higher than the Isotherm for Montreal. Rain fell on 8 days, amounting to 2.771 inches, and was accompanied by thunder storms on 3 days.

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

Barometer, highest reading on the 21st.....	30.087 inches.
„ lowest „ 17th.....	29.445
„ range of pressure.....	0.642
„ mean for month reduced to 32°.....	29.652
Thermometer, highest reading on the 11th.....	89.7 degrees.
„ lowest „ 27th.....	42.5
„ range in month.....	47.2
„ mean of highest.....	77.6
„ mean of lowest.....	56.4
„ mean daily range.....	21.2
„ mean for month.....	67.0
„ highest reading in sun's rays.....	127.3
„ lowest temperature on grass.....	44.4
Hygrometer mean of dry bulb.....	69.2
„ „ wet bulb.....	61.4
„ „ dew point.....	55.4
„ elastic force of vapour.....	.439
„ vapour in a cubic foot of air.....	4.8 grains.
„ vapour required to saturate, do.....	3.0
„ „ humidity, (Sat. 100).....	62
„ average weight of a cubic foot of air.....	517.9
Cloud, mean amount of (0-10).....	5.7
Ozone „ „ (0-10).....	3.3
Wind, mean direction of „ North.....	4.75 days.
„ „ „ „ East.....	2.75
„ „ „ „ South.....	5.00
„ „ „ „ West.....	14.00
„ „ „ „ Calm.....	4.50
„ „ force by estimation 0-12.....	1.5
„ „ daily horizontal movement.....	107.1 miles.
Rain fell on.....	14 days.
Amount collected.....	2.77 inches.

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