

METEOROLOGICAL INTELLIGENCE.

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

Barometer, highest reading on the 31st.....	30.069 inches.
" lowest " 11th.....	29.099
" range of pressure.....	.970
" mean for month reduced to 32°.....	29.585
Thermometer, highest reading on the 26th.....	88.2 degrees.
" lowest " 1.....	47.1
" range in month.....	41.1
" mean for month.....	67.9
" mean of maximum in sun's-rays, black bulb..	114.8
" mean of minimum on grass.....	55.9
Hygrometer, mean of dry bulb.....	69.8
" wet bulb.....	63.2
" dew point.....	58.2
Elastic force of vapour.....	.485 inches.
Vapour in a cubic foot of air.....	5.3 grains.
" required to saturate, do.....	2.7 "
Mean degree of humidity (Sat. 100).....	66
Average weight of a cubic foot of air.....	515.8 grains.
Cloud, mean amount of (0-10).....	6.6
Ozone " " (0-10).....	2.3
Wind, general direction.....	S. W. and W.
Mean daily horizontal movement.....	119.6 miles.
Rain, number of days it fell.....	18
Amount collected on ground.....	5.06 inches.

— 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 July, 1869,—By Charles 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	29.811	29.800	29.701	53.1	59.7	56.0	W	W	W	89.90
2	.652	.657	.661	60.1	73.2	66.0	W	W	W	261.10
3	.570	.611	.450	63.1	77.3	70.1	W	SW	SW	197.29
4	.449	.617	.764	67.1	84.0	60.0	SW	W	W	104.00
5	30.000	.991	.989	55.7	78.2	60.1	W	WSW	W	84.11
6	.049	30.021	.974	60.0	76.2	67.0	W	W	W	91.00
7	29.961	29.866	.849	59.4	80.3	69.1	W	W	W	101.40
8	.827	.790	.700	65.0	60.0	67.0	WSW	WSW	WSW	88.00
9	.601	.569	.571	64.1	65.0	63.4	NE	NE	W	79.11
10	.610	.619	.511	61.7	75.2	67.2	W	W	W	161.74
11	.275	.411	.612	70.0	74.1	65.0	W	W	W	120.14
12	.747	.805	.850	60.1	77.4	63.9	W	W	W	217.10
13	.911	.874	.851	59.4	73.2	63.0	W	W	W	92.24
14	.800	.798	.800	60.1	75.6	68.4	W	E	E	88.12
15	.748	.704	.663	66.2	73.0	70.6	E	W	W	90.11
16	.525	.501	.503	68.9	77.1	68.7	SW	SW	SW	104.12
17	.681	.642	.660	64.0	73.0	60.4	W	W	NE	191.12
18	.691	.675	.710	67.2	80.3	69.2	wby N	W	W	89.79
19	.799	.800	.800	59.3	79.0	62.2	NE	NE	NE	101.10
20	.761	.700	.662	59.0	79.1	70.0	NE	SW	SW	89.76
21	.576	.558	.564	68.2	74.7	64.1	SW	W	W	104.29
22	.650	.774	.800	62.7	75.9	65.2	W	W	W	127.91
23	.801	.811	.825	61.7	74.7	66.2	W	W	W	201.10
24	.799	.750	.750	68.9	67.3	68.7	SW	WSW	WSW	97.74
25	.800	.781	.801	58.7	76.1	72.9	W	SW	W	97.29
26	.760	.711	.698	70.1	84.4	72.0	W	WSW	W	87.24
27	.700	.697	.700	68.3	81.1	69.1	W	W	W	101.12
28	.700	.697	.661	68.0	75.0	69.1	W	W	W	108.00
29	.584	.551	.589	66.0	66.0	63.3	SW	W	W	100.44
30	.764	.901	30.042	60.2	68.3	61.7	W	W	wby N	124.11
31	30.250	30.219	.300	61.0	73.4	68.3	W	W	W	119.00

REMARKS.

The highest reading of the Barometer was on the 31st day, and indicated 30.200 inches; the lowest reading was on the 11th day, and was 29.275 inches, giving a monthly range of 1.145 inches.

The mean temperature of the month was 68° 31 degrees, which is 5° degrees lower than the Isotherm for Montreal, and 7° 69 degrees lower than the mean temperature of last July.

Rain fell on 13 days, amounting to 4.995 inches, which exceeds by nearly 3 inches the amount which fell in July, 1868.

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Secretary.

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