

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1865.

NOTE.—The monthly means do not include Sunday observations. The daily means, excepting those that relate to the wind, are derived from six observations daily, namely at 0 A.M., 8 A.M., 2 P.M., 4 P.M., 10 P.M., and midnight. The means and results for the wind are from hourly observations.

Highest Barometer..... 29.976 at 8 a.m. on 31st } Monthly range =
 Lowest Barometer..... 29.247 at 4 p.m. on 28th } 0.729 inches.
 Maximum Temperature..... 85° on 23th } Monthly range =
 Minimum Temperature..... 45° on 15th } 37.5°
 Mean maximum Temperature..... 74.14 } Mean daily range =
 Mean minimum Temperature..... 55.63 } 18.51
 Greatest daily range..... 20° from a.m. to p.m. of 18th.
 Least daily range..... 11° from a.m. to p.m. of 22nd.
 Warmest day..... 7th. Mean temperature..... 71.85 } Difference = 28° 10
 Coldest day..... 15th. Mean temperature..... 55.75 } 50° 5
 Maximum } Solar..... 128° 5 on 7th } Monthly range =
 Radiation. } Terrestrial..... 38° 0 on 15th } 50° 5
 Aurora observed on 7 nights, viz:—7th, 13th, 14th, 17th, 18th, 19th, and 22nd.
 Possible to see Aurora on 24 nights; impossible on 7 nights.
 Lasting 0.11 days, depth 2.470 inches; duration of fall 17.5 hours.
 Mean of cloudiness = 0.53.
 Most cloudy hour observed, 2 p.m.; mean = 0.69; least cloudy hour observed,
 10 p.m.; mean, = 0.46.

SWISS OF THE COMP. CURVES OF THE ATMOSPHERIC CURRENT, EXPRESSED IN MILES
 North. South. East. West.
 1213.99 1080.77 609.37 2199.28

Resultant direction N. 86° W.; resultant velocity 2.23 miles per hour.
 Mean velocity..... 5.34 miles per hour.
 Maximum velocity..... 26.8 miles, from 9 to 10 a.m.
 Most windy day..... 26th. Mean velocity, 12.53 miles per hour. } Difference =
 Least windy day..... 15th. Mean velocity, 1.89 ditto } 10.64 miles
 Most windy hour..... 1 p.m. Mean velocity, 0.18 ditto } Difference =
 Least windy hour..... 12 p.m. Mean velocity, 2.88 ditto } 0.30 miles.

1st. Very dense fog. 7th. Lunar halo, 10 p.m.
 19th. Solar halo; dense ground fog at night.
 20th. Dense fog a.m.
 25th. Very heavy rain storm; brilliant rainbow, 7 p.m.
 Dew recorded on nine occasions during month.

The month of July, 1861, was cool and dry, while the mean velocity and mean cloudiness closely approximated to the average.

COMPARATIVE TABLE FOR JULY.

Year.	TEMPERATURE.				RAIN.			SNOW.		WIND.	
	Mean.	Faces above average.	Max. of record.	Min. of record.	No. of days.	Inches.	No. of days.	Inches.	Direction.	Resultant.	Mean Force or Velocity.
1810	65.8	-1.	79.4	48.2	6	5.27.	0	.....	.....	.....	.....
1811	65.0	-2.1	90.3	43.2	10	8.15	.....	.....	.....	.....	0.33
1812	64.7	-2.5	90.5	42.0	8	3.05	.....	.....	.....	.....	0.44
1813	64.5	-2.5	86.1	40.2	8	4.40	.....	.....	.....	.....	0.19
1814	66.0	-1.1	86.1	40.5	12	2.8	.....	.....	.....	.....	0.30
1815	66.2	-0.8	91.6	45.6	7	2.9	.....	.....	.....	.....	0.29
1816	68.0	+1.1	94.0	44.9	9	2.89	.....	.....	.....	.....	0.19
1817	68.0	+1.0	87.3	46.7	8	3.35	.....	.....	.....	.....	4.94mils.
1818	65.5	+1.1	82.7	46.7	10	1.890	.....	.....	N 5° W	0.75	3.52
1819	68.4	+1.4	89.1	51.0	4	3.417	.....	.....	N 81° E	0.59	4.56
1820	68.9	+1.1	84.9	52.8	12	3.62	.....	.....	N 60° W	0.88	4.13
1821	65.0	-2.1	87.7	52.1	12	3.62	.....	.....	N 43° W	0.93	3.33
1822	66.8	-0.2	90.1	49.5	40.4	8	4.02	.....	S 58° E	0.24	3.69
1823	65.6	-1.4	85.4	49.4	36.1	10	0.91	.....	S 49° W	0.37	4.03
1824	72.5	+5.7	93.6	53.0	49.1	9	4.802	.....	S 19° W	0.73	0.47
1825	67.9	+0	88.4	53.1	35.1	13	3.24	.....	N 70° W	1.67	0.84
1826	69.9	+2.4	92.0	51.4	40.6	8	1.12	.....	N 15° E	0.81	4.74
1827	67.8	+0.8	85.4	52.4	33.4	15	3.47	.....	N 68° E	1.13	5.76
1828	67.9	+0.1	87.4	55.0	37.6	13	3.07	.....	N 50° W	1.18	5.81
1829	66.9	+0.1	84.9	50.5	37.2	12	2.61	.....	N 60° W	2.19	4.20
1830	65.8	-3.	83.8	47.5	38.3	13	4.33	.....	N 74° W	1.43	7.69
1831	65.4	-1.1	82.9	49.4	33.3	16	2.63	.....	N 18° W	1.42	5.80
1832	66.7	-0.	88.6	52.6	36.0	15	5.34	.....	N 30° W	0.40	3.89
1833	67.6	+0.1	82.3	49.3	33.0	15	3.40	.....	N 31° W	2.33	6.00
1834	69.9	+2.7	87.9	52.9	36.0	8	1.33	N 80° W	2.28	5.84
1835	65.0	-2.0	83.0	45.8	37.2	11	2.47
1836	66.0	87.10	49.72	38.38	10.3	3.474	N 60° W	0.63	4.97
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Excess for 1865. 1.05