

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1860.

Highest Barometer 29.839 at 8 a. m., on 12th } Monthly range =
 Lowest Barometer 29.174 at 8 a. m., on 21st } 0.665 inches
 { Maximum Temperature 88.90 on p. m. of 19th } Monthly range =
 { Minimum Temperature 43.8 on a. m. of 24th } 44.2
 { Mean maximum Temperature 79.99 } Mean daily range =
 { Mean minimum Temperature 55.85 } 17.15
 { Greatest daily range 30.7 from a. m. to p. m. of 24th.
 { Least daily range 8.2 from a. m. to p. m. of 3rd.
 Warmest day 19th .. Mean temperature 75.00 } Difference = 17.82.
 Coldest day 23rd... Mean temperature 57.63 }
 Maximum { Solar 104.4 on p. m. of 10th } Monthly range =
 Radiation. { Terrestrial 33.2 on a. m. of 24th } 71.2.
 Aurora observed on 6 nights, viz., on 11th, 12th, 17th, 19th, 21st and 27th.
 Possible to see Aurora on 10 nights; impossible on 12 nights.
 Raining on 13 days,—depth 4.336 inches; duration of fall 48.4 hours.
 Mean of cloudiness = 0.43.
 Most cloudy hour observed, 2 p. m., mean = 0.50; least cloudy hour observed,
 6 a. m., mean, = 0.35.

Sums of the components of the Atmospheric Current, expressed in miles.

North. South. East. West.
 2043.62 1245.07 1111.50 2500.42
 Resultant direction N. 60° W.; Resultant Velocity 2.15 miles per hour.
 Mean velocity 7.29 miles per hour.
 Maximum velocity 31.4 miles, from 3 to 4 p. m. on 16th.
 Most windy day 21st... Mean velocity 15.47 miles per hour. } Difference =
 Least windy hour 30th... Mean velocity 2.53 ditto. } 12.54 miles.
 Most windy day 4 to 5 p. m. Mean velocity 11.57 ditto. } Difference
 Least windy hour... 2 to 3 a. m. Mean velocity 3.72 ditto. } 7.55 miles.

4th.—Severe thunderstorm from 4 to 6 p. m.
 10th.—Distant thunder and sheet lightning 5 to 8 p. m.
 15th.—Sheet lightning from 8.30 p. m.
 16th.—Thunderstorm from 7 to 8.30 a. m.
 18th.—Thunderstorm from 10.40 to 11.40 p. m.
 20th.—Very brilliant meteor passed from W. N. W. towards S. E. at 9.30 p. m.
 21st.—Heavy thunderstorm from 9 to 10 a. m.
 29th.—Dense fog from 8 a. m. to 1 p. m.
 30th.—Solar Halo at 4 p. m. Lunar Halo 8.20 to 9.30 p. m.
 31st.—Lunar Corona from 9 p. m.

Heavy Dew recorded on 11 mornings during this month.
 The Resultant Direction and Velocity of the Wind for the month of July,
 from 1848 to 1860 inclusive, were respectively N 62° W, and 0.42 miles.

The month of July, 1860, was extremely cold, wet and windy.
 The Mean Temperature was 2.99 lower than the average of 21 years; it was
 absolutely the coldest July during that period. The depth of rain recorded was
 in excess of the mean by 0.806 inches, and the mean velocity of the wind was 2.36
 miles per hour, above the average, which is considerably greater than we have
 recorded here during any previous July for the last 13 years.

COMPARATIVE TABLE FOR JULY.

Year.	TEMPERATURE.				RAIN.			SNOW.			WIND.	
	M'n. Aver.	Diff. from aver.	Max. ob'd.	Min. ob'd.	Range.	No. of days.	Inch's.	No. of days.	Inch's.	Direction.	Resultant.	Mean Force or Velocity.
1846	55.8	-1.1	70.4	48.2	31.2	6	5.270	...	...	...	...	0.27 lbs.
1847	65.0	-1.9	86.3	43.2	43.1	10	8.150	...	...	...	...	0.33
1848	64.7	-2.2	90.5	42.0	48.5	4	3.050	...	...	...	...	0.44
1849	64.6	-2.4	86.1	40.2	45.9	8	4.605	...	...	...	...	0.10
1850	65.0	-0.9	86.1	40.5	45.6	12	2.815	...	...	...	...	0.30
1851	65.2	-0.7	91.6	45.6	46.0	7	2.105	...	...	...	...	0.29
1852	68.0	+1.1	87.5	44.8	42.7	9	2.893	...	...	...	...	0.19
1853	68.0	+1.1	87.5	44.8	42.7	9	2.893	...	...	...	...	0.19
1854	65.5	-1.4	82.7	46.7	36.0	10	1.590	...	...	N 14° W	0.18	4.94 mls.
1855	68.4	+1.5	89.1	51.0	38.1	12	3.415	...	...	S 5° W	0.75	3.52
1856	68.0	+2.0	84.9	52.8	32.1	14	5.270	...	...	S 5° E	0.59	4.55
1857	65.0	-1.9	82.7	42.1	40.6	12	3.625	...	...	N 60° W	0.88	4.13
1858	66.8	-0.1	90.1	49.5	40.6	8	4.035	...	...	N 43° W	0.93	3.33
1859	65.6	-1.3	85.4	48.4	37.0	10	0.915	...	...	S 58° E	0.21	3.69
1860	72.5	+5.6	93.6	53.0	40.6	13	4.805	...	...	S 49° W	0.37	4.03
1861	67.0	+1.0	88.4	53.1	35.3	13	3.245	...	...	S 19° W	0.73	6.47
1862	69.9	+3.0	92.0	51.4	40.6	8	1.120	...	...	N 79° W	1.57	5.84
1863	67.8	+0.9	85.4	52.4	33.0	15	3.475	...	...	S 68° E	0.81	4.74
1864	67.9	+1.0	83.4	55.9	27.5	13	3.672	...	...	N 15° E	1.13	5.76
1865	66.9	...	87.7	50.5	37.2	12	2.611	...	...	N 50° W	1.48	5.81
1866	63.9	-3.0	85.8	47.5	38.3	13	4.336	...	...	N 60° W	2.15	7.29
M	66.91	...	87.41	48.27	39.14	9.71	3.5301	...	...		...	4.93 MI.