

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JUNE, 1868.

June, 1868, was comparatively cold, calm, cloudy, and very dry.

COMPARATIVE TABLE FOR JUNE.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	Mean.	Excess above (6° F.)	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant.	Mean Force or Velocity.
1840	59.8	+ 1.6	78.5	37.1	41.4	11	4.860	9	4.860	...	0.36 lbs
1841	65.6	+ 4.2	92.8	45.7	47.1	9	1.560	9	1.560	...	0.31 "
1842	65.0	+ 3.6	92.8	45.7	47.1	9	1.560	9	1.560	...	0.31 "
1843	58.4	+ 3.0	81.3	28.5	52.8	12	4.565	12	4.565	...	0.27 "
1844	60.0	+ 1.5	82.8	33.1	49.7	9	3.553	...	...	...	0.27 "
1845	61.0	+ 0.4	87.6	40.9	42.7	11	3.719	...	...	...	0.27 "
1846	63.3	+ 1.8	81.3	41.5	41.8	10	1.920	...	...	...	0.32 "
1847	68.4	+ 3.0	78.3	36.7	41.6	14	2.625	...	...	...	0.30 "
1848	62.9	+ 1.5	92.5	38.3	54.2	8	1.817	...	...	N 61 W	1.90
1849	63.2	+ 1.8	84.9	45.2	30.7	7	2.020	...	...	S 71 E	0.49
1850	64.3	+ 2.9	83.2	49.0	34.2	10	3.345	...	...	S 60 W	3.32 "
1851	63.2	+ 2.2	79.2	41.2	38.0	11	2.695	...	...	S 2 W	3.51 "
1852	60.8	+ 0.6	86.1	43.6	43.5	10	3.160	...	...	S 76 W	4.42 "
1853	65.5	+ 4.1	80.3	43.3	43.0	9	1.550	...	...	N 1 W	1.49
1854	64.1	+ 2.7	83.7	47.4	41.3	9	1.460	...	...	N 24 E	4.09 "
1855	59.9	+ 1.5	90.7	40.6	50.1	17	4.070	...	...	N 69 W	0.71
1856	62.1	+ 0.7	82.6	43.3	34.3	13	3.200	...	...	N 21 W	1.33
1857	56.0	+ 4.5	75.1	40.9	34.2	21	5.000	...	...	S 21 W	5.70 "
1858	66.2	+ 3.1	86.3	48.7	37.6	12	2.943	...	...	S 20 E	1.15
1859	58.3	+ 2.1	85.2	36.0	51.3	16	4.065	...	...	S 20 E	7.53 "
1860	63.2	+ 1.8	81.1	50.0	31.3	14	2.186	...	...	N 77 W	1.95
1861	61.8	+ 0.1	86.5	48.2	33.3	13	3.329	...	...	N 44 W	3.13
1862	60.5	+ 0.9	83.2	44.3	38.9	10	1.007	...	...	N 26 W	2.29
1863	60.1	+ 1.3	79.3	45.0	34.3	13	1.662	...	...	N 50 W	1.77
Results to 1861.	61.36	...	83.77	41.37	42.40	11.9	3.100	...	...	N 69 W	0.81
Exc. for 1863.	-1.23	...	4.47	3.63	8.10	1.1	1.438	...	...	...	...

Highest Barometer 29.84 at 8 a.m. on 16th. } Monthly range = 0.862 inches.
 Lowest Barometer 28.932 at 6 a.m. on 1st. }
 Maximum temperature 84.98 on p.m. of 16th } Monthly range = 47.4
 Minimum temperature 37.2 on a.m. of 4th }
 Mean maximum temperature 69.23 } Mean daily range = 17.24
 Mean minimum temperature 51.999 }
 Greatest daily range 27.92 from a. m. to p. m. c' 10th.
 Least daily range 9.5 from a. m. to p. m. of 1st.
 Warmest day 30th. } Mean Temperature 71.890 } Diff. once = 20.885.
 Coldest day 3rd. } Mean Temperature 50.993 }
 Maximum Solar 98.4 on p.m. of 15th } Monthly range = 67.2
 Minimum Solar 83.4 on a.m. of 4th }
 Radiation { Terrestrial 29.2 on a.m. of 15th }
 Auroras observed on 4 nights, viz, 9th, 10th, 13th, 22nd. Possible to see Aurora on 19 nights; impossible on 11 nights.
 Raining on 13 days; depth, 1.662 inches; duration of fall, 23.9 hours.
 Mean of cloudiness = 0.54; above average, 0.01. Most cloudy hour observed, 2 p.m. mean = 0.70; least cloudy hour observed, midnight; mean = 0.34.

Sum of the components of the Atmospheric Current, expressed in Miles.
 North. 1745.46
 South. 704.54
 East. 567.42
 West. 1814.65

Resultant direction, N. 50° W.; Resultant Velocity, 2.28 miles per hour.
 Mean velocity 5.24 miles per hour.
 Maximum velocity 25.8 miles, from 1 to 2 p.m. on 1st.
 Most windy day 1st.—Mean velocity 14.11 miles per hour. } Difference 13.80
 Least windy day 11th.—Mean velocity 1.31 miles per hour. }
 Most windy hour, 1 to 2 p.m.—Mean velocity, 9.23 miles per hour. } Difference
 Least windy hour, 9 to 10 p.m.—Mean velocity, 2.70 miles per hour. } 6.53 miles.

4th. Slight hoar frost at 5 a.m.; thunderstorm and heavy rain 2.50 to 3.30 p.m.; faint auroral light at 9.15 p.m.—9th. Brilliant aurora 10 p.m. to 1 a.m. of 10th exhibiting arches, patches, pulsations, and streamers, and forming a corona at 1 a.m. about 10° S.S.W. of Zenith.—10th. Faint aurora at 10 p.m. and midnight.—11th. Distant thunder in West during the forenoon; fire flies numerous at night.—12th. Fire flies numerous at 10 p.m.; sheet lightning at midnight.—13th. Faint auroral light at midnight.—14th. Sheet lightning in West at 10 p.m.—20th. Thunderstorm, lightning, and rain, 7.40 to 8.15 a.m., and again from 4 to 8 p.m.—22nd. Thunderstorm 1.30 to 3.20 p.m.; auroral arch and streamers, 10 to 10.30 p.m.—30th. Sheet lightning in W. and S.W. at 9 p.m.

A considerable quantity of Pollen fell with the rain during the thunderstorm on 4th. Heavy Dew received on 11 mornings during this month.