

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JUNE.

Highest Barometer 29.798 at 8 a. m. on 23rd } Monthly range =
 Lowest Barometer 29.207 at 2 p. m. on 26th } 0.591 inches.
 Highest registered temperature 89.2 at p. m. on 26th } Monthly range =
 Lowest registered temperature 42.90 at a. m. on 1st } 47.02
 Mean maximum Thermometer 71.80 } Mean daily range = 19.20
 Mean minimum Thermometer 52.30 }
 Greatest daily range 29.8 from p. m. of 30th to a. m. 1st. July
 Least daily range 10.4 from p. m. of 8th to a. m. of 9th.
 Warmest day 21st ... Mean temperature 74.57 } Difference = 20.60.
 Coldest day 7th ... Mean temperature 53.97 }
 Greatest intensity of Solar Radiation.. 104.98 on p. m. of 29th } Monthly range =
 Lowest point of Terrestrial Radiation 35.90 on a. m. of 1st } 69.8
 Aurora observed on 1 night, viz. on the 10th; possible to see Aurora on 18 nights;
 impossible to see Aurora on 12 nights.
 Raining on 13 days; depth, 3.200 inches; duration of fall, 27.0 hours,
 Mean of cloudiness = 0.47; most cloudy hour observed, 2 p. m., mean = 0.55; least
 cloudy hour observed, 10 p. m., mean = 0.35.

Sums of the components of the Atmospheric Current, expressed in Miles.
 North. South. East. West.
 732.70 1340.86 1250.04 1477.80
 Resultant direction of the wind, S 21° W; Resultant Velocity, 0.90 miles per hour.
 Mean velocity of the wind 5.30 miles per hour.
 Maximum velocity 26.0 miles per hour, from 3 to 4 p. m. on 30th.
 Most windy day 30th ... Mean velocity 16.63 miles per hour.
 Least windy day 27th ... Mean velocity 2.74 ditto
 Most windy hour 1 to 2 p. m. ... Mean velocity 8.52 ditto } Difference
 Least windy hour 1 to 2 a. m. ... Mean velocity 2.74 ditto } 5.78 miles.

This month exhibits no striking examples of abrupt or extensive change, either of the Barometer or of Temperature.
 In the Comparative Table, the only deviations to be noticed of the Monthly Means from the Means derived from the aggregate of past years, are shown by the Minimum Temperature, which is the highest on record, save that of 1850 the Range, which is more than 9° less than the Average; and the Mean Velocity of the Wind.

The columns Resultant Direction and Resultant Velocity shows that the total displacement of air produced in the month is equivalent to that which would have been produced by a wind blowing constantly from S 21° W, with a uniform Velocity of 0.9 miles per hour.
 The total displacement in the months of June since 1848, inclusive, is equal to that of a constant wind blowing from S 84° W, with a velocity of 0.48 miles.
 On June 1st, at 30 min. past noon, a violent Squall occurred, accompanied by violent thunder, lightning and hail. The stones were of an oblate spheroidal form and unusually large, the greater axis amounting, in many cases, to $\frac{1}{4}$ of an inch. From their hardness, they appeared to have been formed at an extremely low temperature.

COMPARATIVE TABLE FOR JUNE.

YEAR.	TEMPERATURE.					RAIN.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	Resultant.	
								Direction.	Velocity.
1840	59.8	-1.6	78.5	37.1	41.4	11	4.860	—	—
1841	59.8	+4.2	92.8	45.7	47.1	9	1.500	—	0.36 lbs.
1842	55.6	-5.8	73.9	28.0	45.9	15	5.765	—	0.31 "
1843	58.4	-3.0	81.3	28.5	52.8	12	4.583	—	0.27 "
1844	59.9	-1.5	82.8	33.1	49.7	9	3.539	—	0.19 "
1845	61.0	-0.4	83.6	40.9	42.7	11	3.715	—	0.27 "
1846	63.3	+1.9	83.3	41.5	41.8	10	1.920	—	0.32 "
1847	58.4	-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	1.810	W 29 N	4.51 miles.
1849	63.2	+1.8	84.9	45.2	39.7	7	2.020	E 19 S	3.32 "
1850	63.3	+2.9	83.2	49.0	34.2	10	3.345	W 30 S	4.54 "
1851	59.2	-0.2	79.2	41.2	38.0	11	2.695	S 2 W	4.42 "
1852	60.8	-0.6	86.1	43.6	42.5	10	3.160	N 14 S	4.00 "
1853	63.5	+4.1	86.3	43.3	43.0	9	1.530	N 14 W	4.27 "
1854	63.1	+2.7	88.7	47.4	41.3	9	1.460	N 21 E	4.11 "
1855	59.0	-1.5	90.7	40.6	50.1	17	4.070	W 21 N	1.32 "
1856	62.1	+0.7	82.6	48.3	34.3	13	3.200	S 21 W	5.30 "
Mean	61.41	...	84.04	40.40	43.55	1.09	3.951	—	4.41 miles.