

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY.

Highest Barometer..... 29.848 at 8 a. m., on 10th } Monthly range = 0.436
 Lowest Barometer..... 29.255 at 2 p. m., on 26th }
 { Maximum Temperature..... 86.06 on p. m., of 13th } Monthly range = 30.46
 { Minimum Temperature..... 47.0 on a. m., of 2nd }
 { Mean maximum Temperature..... 76.79 } Mean daily range = 17.47
 { Mean minimum Temperature..... 59.32 }
 { Greatest daily range..... 24.8 from p. m. of 31st to a. m. of 1st. August.
 { Least daily range..... 8.2 from a. m. to p. m. of 23rd.
 Warmest day..... 13th .. Mean temperature..... 79.43 } Difference = 21.78.
 Coldest day..... 1st .. Mean temperature..... 54.05 }

Maximum { Solar..... 100.5 on p. m. of 18th, } Monthly range = 62.5
 Radiation. { Terrestrial..... 38.0 on a. m. of 2nd. }
 Aurora observed on 5 nights, viz., 11th, 17th, 22nd, 24th and 28th.
 Possible to see Aurora on 22 nights; impossible on 6 nights.
 Raining on 15 days;—depth 3.475 inches; duration of fall 43.2 hours.
 Mean of cloudiness = 0.46.
 Most cloudy hour observed, 6 a. m., mean = 0.55; least cloudy hour observed, 10 p. m., mean, = 0.30.

Sums of the components of the Atmospheric Current, expressed in miles.
 North. 998.63 South. 1227.18 East. 1401.33 West. 841.14
 Resultant direction S. 68° E.; Resultant Velocity 0.81 miles per hour.
 Mean velocity..... 4.74 miles per hour.
 Maximum velocity..... 17.4 miles from 4 to 5 p. m. on the 28th.
 Most windy day..... 1st .. Mean velocity 14.05 miles per hour.
 Least windy day..... 17th..... ditto.
 Most windy hour .. 3 to 4 p. m..... Mean velocity 7.40
 Least windy hour .. 9 to 10 p. m..... Mean velocity 2.89
 ditto. } 4.51 miles.

Thunderstorms occurred on the 7th, from 2.30 to 3.30 p.m.; 14th, from 6.30 to 8.30 p.m.; 15th, from 1.45 p.m., continuing most of the afternoon; 20th, from 11.15 a.m. to 5.30 p.m.; 21st, about 3 a.m.; 23rd, at 3 a.m., and on the 31st, from 3 to 4 p.m.

Lightning occurred on the 12th at 10 p.m.; 13th, from 10 to 11 p.m.; 17th, at 10 p.m.; 19th, at 4.30 p.m.; 21st, during the evening; 27th, at midnight, and on the 30th at 9 and 10 p.m.
 Meteors numerous on the evenings of the 16th, 24th, and 25th.
 Fire Flies very numerous on the 13th, from 9 to 11 p.m. Splendid Rainbow on the 19th at 6 p.m. Very heavy Dew on the 26th at 6 a.m. Halo round the moon at 9.30 p.m. on 27th.
 Rain.—The number of days on which rain fell was greater than in any previous July, but the depth on the surface was .057 inches below the average.
 Wind.—The resultant direction and velocity for July, from 1.58 to 1.857 inclusive, were S. 81° W. and 0.20 miles per hour.

COMPARATIVE TABLE FOR JULY.

Year.	TEMPERATURE.			RAIN.			SNOW.			WIND.		
	M'n. from Aven.	Min. from Aven.	Max. from Aven.	Range.	No. of days.	Inch's.	No. of days.	Inch's.	Resultant.	Direction.	Vy.	Mean Force or Velocity.
1840	65.8	48.2	81.2	33.0	6	5.276	...	...	...	...	...	0.27 lbs.
1841	65.0	43.2	83.1	40.0	10	8.136	...	...	...	...	...	0.33
1842	64.7	42.0	86.5	44.5	8	3.056	...	...	...	...	...	0.44
1843	64.5	40.2	86.1	45.9	8	4.065	...	...	...	...	...	0.19
1844	66.0	40.5	86.1	45.6	12	2.815	...	...	...	...	...	0.30
1845	66.2	45.5	89.0	43.5	7	2.195	...	...	...	...	...	0.20
1846	68.0	44.9	91.0	46.1	9	2.895	...	...	...	...	...	0.19
1847	68.0	43.8	93.7	49.9	8	3.355	...	...	...	...	...	0.19
1848	65.5	46.7	92.7	46.0	10	1.896	...	...	N 14° W	0.18-4.91 miles	...	...
1849	68.4	51.0	98.1	47.1	4	3.415	...	...	S 5° W	0.763-3.52	...	...
1850	68.9	52.8	92.1	39.3	12	5.276	...	...	N 81° E	0.594-4.56	...	...
1851	65.0	52.1	90.6	38.5	12	3.025	...	...	N 60° W	0.88-4.13	...	...
1852	66.8	49.5	96.6	47.1	8	4.625	...	...	N 43° W	0.933-3.33	...	...
1853	65.6	49.4	95.0	45.6	10	0.915	...	...	S 76° E	0.21-3.70	...	...
1854	72.5	55.0	104.6	49.6	9	4.805	...	...	S 38° W	0.34-4.26	...	...
1855	67.9	53.1	95.3	42.2	13	3.245	...	...	S 19° W	0.736-4.47	...	...
1856	69.9	51.4	101.6	50.2	8	1.126	...	...	N 79° W	1.57-5.84	...	...
1857	67.8	52.4	98.4	46.0	15	3.475	...	...	S 68° E	0.81-4.74	...	...
M	67.03	57.71	97.79	40.08	9.2	3.362	...	...	...	...	...	4.55 miles