

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1853.

Highest Barometer : : : : : 29.915 at 8 a.m. on 6th } Monthly range =
 Lowest Barometer : : : : : 29.290 at 4 p.m. on 8rd } 0.625 inches.
 { Maximum temperature 85° on p.m. of 8th } Monthly range =
 { Minimum temperature 52.0 on a.m. of 6th } 33° 0
 { Mean maximum temperature 75° 44 } Mean daily range = 16° 45
 { Mean minimum temperature 59° 08 }
 { Mean daily range 24° 9 from a.m. to p.m. on 6th.
 { Greatest daily range 21° from a.m. to p.m. on 11th.
 Warmest day . . . 8th ... Mean Temperature . . . 75° 78 } Difference = 17° 53.
 Coldest day . . . 15th ... Mean Temperature . . . 58° 25 }
 Maximum { Solar 103° 2 on p.m. of 8th } Monthly range =
 Radiation { Terrestrial 42.5 on a.m. of 28th } 60° 7
 Aurora observed on 5 nights, viz.: 4th, 5th, 6th 12th and 15th; possible to see
 Aurora on 19 nights; impossible on 12 nights.
 Snowing on 0 days; depth, 0.0 inches; duration of fall 0.0 hours.
 Raining on 13 days; depth, 3.072 inches; duration of fall, 31.4 hours.
 Mean of cloudiness = 0.50; most cloudy hour observed, 2 p.m., mean = 0.57; least
 cloudy hour observed, 10 p.m., mean = 0.43.

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

North. South. East. West.
 1348.08 1034.03 1380.10 1163.29
 Resultant direction, N 15° E; Resultant Velocity, 1.13 miles per hour.
 Mean velocity of the wind 5.76 miles per hour.
 Maximum velocity . . . 29.5 miles per hour, from 11 a.m. to noon on 27th.
 Most windy day 27th—Mean velocity, 11.10 miles per hour.
 Least windy day 29th—Mean velocity, 1.65 do
 Most windy hour, 2 to 3 p.m.—Mean velocity, 8.77 do } Difference
 Least windy hour, 9 to 10 p.m.—Mean velocity, 3.52 do } 5.25 miles.

Thunderstorms occurred on the 8th from 2 to 4:30 p.m.; 10th, from 11:40 a.m. to
 0:30 p.m.; 21st, from 2 to 3 p.m.

Distant Thunder heard on the 14th, from 3 to 4 p.m.; 16th, from 3:30 to 4 p.m.
 Sheet and Forked Lightning observed on the 2nd, from 7 p.m. 13rd, from 5 p.m.;
 10th, from 10 p.m.

Heavy Dew recorded on 11 mornings during the month.
 3rd. Pollen fell with the rain registered this morning.
 21st. Large hailstones fell with the rain during the thunderstorm from 2 to 3 p.m.
 25th. Brock's Monument on Queenston Heights distinctly visible to the naked
 eye at 2 p.m.
 The Resultant Direction and Velocity of the Wind for July, from 1848 to 1853
 inclusive, were respectively N 65° W, and 0.17 miles.

COMPARATIVE TABLE FOR JULY.

YEAR	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	Inches.	No. of days.	Inches.	Direction.	Resultant.	Mean Velocity.
1840	65.8	1.3	79.4	48.2	31.2	5.270	6	...	...	...	0.27 lbs
1841	65.0	2.1	86.3	43.2	43.1	8.150	10	...	...	...	0.33 "
1842	64.7	2.4	90.5	42.0	48.5	3.050	4	...	...	...	0.44 "
1843	64.5	2.6	86.1	40.2	45.9	4.604	8	...	...	...	0.19 "
1844	66.0	1.1	83.1	40.5	42.6	2.815	12	...	...	...	0.30 "
1845	66.2	0.9	94.6	45.6	49.0	2.195	7	...	...	...	0.29 "
1846	66.0	0.9	94.0	44.9	49.1	2.895	9	...	...	...	0.19 "
1847	63.0	0.9	87.5	45.8	41.7	3.355	3	...	...	...	0.18
1848	65.5	1.6	82.7	46.7	36.0	1.890	10	...	N 14 W	0.75	4.94 ms
1849	65.4	1.3	89.1	51.0	38.1	3.415	4	...	S 5 W	0.75	3.52 "
1850	68.9	1.8	84.9	52.8	32.1	5.270	13	...	N 81 E	0.59	4.58 "
1851	65.0	2.1	82.7	52.1	30.6	3.025	12	...	N 60 W	0.88	4.13 "
1852	66.8	0.3	90.1	49.5	40.6	4.025	8	...	N 43 W	0.93	3.53 "
1853	65.6	1.5	85.4	49.4	36.0	0.315	10	...	S 76 E	0.31	3.70 "
1854	72.6	5.4	93.6	53.0	40.6	4.805	9	...	S 58 W	0.34	4.26 "
1855	67.9	0.8	88.4	53.1	35.3	3.245	13	...	S 19 W	0.73	6.47 "
1856	69.9	2.8	92.0	51.4	40.6	1.120	8	...	N 79 W	1.57	5.84 "
1857	67.8	0.7	85.4	52.4	33.0	3.475	15	...	S 68 E	0.81	4.74 "
1858	67.9	0.8	83.4	55.9	27.5	3.072	13	...	N 15 E	1.13	5.76 "
Mean	67.07	...	87.48	46.19	39.29	3.536	4	...	...	...	4.66