

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR APRIL, 1858.

Highest Barometer : : : : 30.006 at 8 a.m. on 7th } Monthly range =
 Lowest Barometer : : : : 29.011 at midnight on 26th } 0.995 inches.
 Mean temperature : : : : 52.92 on p. m. of 30th } Monthly range =
 Minimum temperature : : : : 21.58 on a.m. of 7th } 43.4
 Mean maximum temperature : : : : 48.32 } Mean daily range = 14.16
 Mean minimum temperature : : : : 34.15 }
 Greatest daily range : : : : 24.98 from p. m. of 2nd to a.m. of 3rd.
 Least daily range : : : : 3.2 from a. m. to p. m. of 6th.
 Warmest day : : : : 30th ... Mean Temperature : : : : 52.13 } Difference = 21.30.
 Coldest day : : : : 6th ... Mean Temperature : : : : 30.83 }
 Radiation { Solar : : : : 70.98 on p. m. of 30th } Monthly range =
 { Terrestrial : : : : 2.8 on a.m. of 7th } 77.0
 Aurora observed on 4 nights, viz.: 9th, 10th, 14th and 16th; possible to see Aurora
 on 17 nights; impossible on 13 nights.
 Snowing on 2 days; depth, 0.1 inches; duration of fall 2.5 hours.
 Raining on 13 days; depth, 1.849 inches; duration of fall, 80.8 hours.
 Mean of cloudiness = 0.65; most cloudy hour observed, 2 p. m., mean = 0.72; least
 cloudy hour observed, 10 p. m., mean = 0.59.

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

North.	South.	East.	West.
2024.02	875.82	2029.79	2911.32
Resultant direction, N 14° W; Resultant Velocity, 1.64 miles per hour.			
Mean velocity of the wind 9.57 miles per hour.			
Maximum velocity : : : : 29.5 miles per hour, from 9 to 10 a. m. on 23rd.			
Most windy day : : : : 12th—Mean velocity, 22.57 miles per hour.			
Least windy day : : : : 2nd—Mean velocity, 2.83 do			
Most windy hour, 11 a. m. to noon—Mean velocity, 13.57 do } Difference			
Least windy hour, midnight to 1 a. m.—Mean velocity, 0.06 do } 7.51 miles.			

1st Frogs croaking loudly during the evening.
 2nd—Large and perfect Halo round the sun at 2 p. m.
 4th—Distant Thunder at 4 p. m., first of the season.
 12th—Very Stormy day; constant Rain, wind high and squally.
 13th—Dense Fog from 4 p. m.
 14th—Perfect Rainbow at 4 p. m.
 24th and 25th—Slight flurries of Snow; very cold days.
 26th—Thunderstorm, Lightning and Rain from 7th-30th p. m.

Temperature—The mean temperature of April, 1858, was 50°38 above the average of the last 19 years.
 Rain—The depth of rain was 0.849 inches less than the average of the same number of years.
 Snow—The amount of snow was 2.35 inches less than the average, the depth being almost impracticable.
 Wind—The mean velocity of the wind was 2.28 miles per hour above the average, being the greatest velocity for April during 11 years, with the exception of 1857.
 The Resultant Direction and Velocity of the Wind for April, from 1845 to 1857 inclusive, were respectively N 13° W, and 1.90 miles.

COMPARATIVE TABLE FOR APRIL.

YEAR.	TEMPERATURE.					RAIN.		SNOW.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant Direction.	Mean Velocity.
1840	42.4	+ 1.3	65.9	25.3	40.6	14	3.420	3	...	...	0.51lbs
1841	39.2	— 1.9	62.9	22.1	40.8	8	1.370	2	...	...	0.57 "
1842	43.1	+ 2.0	89.5	21.6	67.9	9	3.740	2	0.1	...	0.46 "
1843	40.9	— 0.2	70.0	16.1	54.9	7	3.183	3	inap.	...	0.24 "
1844	47.5	+ 0.4	74.5	17.2	57.3	10	1.615	1	...	...	0.46 "
1845	42.1	+ 1.0	66.0	14.8	51.2	11	3.290	4	1.5	...	1.00 "
1846	44.0	+ 2.9	79.4	24.4	55.0	10	1.300	2	1.3	...	0.55 "
1847	39.2	— 1.9	65.6	8.4	57.2	8	2.870	2	4.0	...	0.59 "
1848	41.3	+ 0.2	65.4	26.5	38.9	5	1.455	1	0.5	N 77 W	1.46; 4.80ms.
1849	39.0	— 3.1	70.9	23.2	47.7	10	2.653	2	1.7	N 43 W	3.14 7.50 "
1850	37.9	— 3.2	63.2	18.2	45.0	7	4.720	2	1.1	N 39 W	1.12 7.64 "
1851	41.3	+ 0.2	69.2	25.8	43.4	11	2.235	3	1.2	N 14 E	2.52 8.07 "
1852	38.2	+ 2.3	63.8	19.8	44.0	6	1.980	4	0.4	N 23 E	2.44 6.68 "
1853	41.9	+ 0.8	63.7	27.0	36.7	10	2.625	1	1.0	N 12 W	1.90 5.20 "
1854	41.0	— 0.1	65.1	22.3	42.8	12	2.685	4	2.7	N 53 E	2.44 6.82 "
1855	42.4	+ 1.3	63.8	12.2	51.6	8	2.030	3	1.6	N 36 W	3.99 7.57 "
1856	42.3	+ 1.2	69.8	15.1	54.7	13	2.780	3	0.1	N 29 E	1.61 6.05 "
1857	35.4	— 5.7	51.9	10.0	41.9	10	1.755	11	12.9	N 60 W	4.15 10.24 "
1858	41.5	+ 0.4	61.5	23.8	37.7	13	1.642	2	0.1	N 14 W	1.64 9.57 "
Mean	41.08	...	66.53	19.62	46.91	10.3	2.491	2.9	2.45	...	7.29