

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR APRIL, 1867.

Notes.—The monthly means do not include Sunday observations. The daily means, excepting those that relate to the wind, are derived from six observations daily, namely at 6 a.m., 8 a.m., 2 p.m., 6 p.m., 10 p.m., and midnight. The means and resultants for the wind are from hourly observations.

Highest Barometer.....29.95 at 8 a.m. on 18th } Monthly range =  
 Lowest Barometer.....28.930 at 8 a.m. on 1st } 1.028 inches.  
 { Maximum Temperature.....65°5 on 20th } Monthly range =  
 { Minimum Temperature.....25°4 on 11th } 40°1  
 { Mean Maximum Temperature.....47°73 } Mean daily range =  
 { Mean Minimum Temperature.....33°79 } 13°93  
 { Greatest daily range.....27°2 from a.m. to p.m. of 12th.  
 { Least daily range.....14°4 on 3rd } Monthly range = 93%  
 Warmest day.....30th. Mean Temperature.....48°48  
 Coldest day.....6th. Mean Temperature.....33°25  
 Maximum { Solar.....108°0 on 13th }  
 Radiation. { Terrestrial.....14°4 on 3rd }  
 Aurora observed on 2 nights, viz.—5th and 24th  
 Possible to see Aurora on 15 nights; impossible on 15 nights.  
 Snowing on 5 days; depth 7.2 inches; duration of fall 27.1 hours.  
 Raining on 12 days; depth .147 inches; duration of fall 56.3 hours.  
 Mean of Cloudiness=6.62.  
 Most cloudy hour observed 2 p.m.; Mean=0.67; least cloudy hour observed 10 p.m.;  
 Mean=0.54

Sums of the components of the Atmospheric Current, expressed in Miles.  
 North. 2145.18 East. 1270.67 West. 2771.31

Resultant Direction N. 51° W.; Resultant Velocity 2.68 miles per hour.  
 Mean Velocity 7.89 miles per hour.  
 Maximum Velocity 30.5 miles from 6 to 7 p.m. of 20th.  
 Most Windy day 17th; Mean Velocity 15.32 miles per hour. } Difference 14.71  
 Least Windy day 15th; Mean Velocity 1.21 } miles.  
 Least Windy hour 10 a.m.; Mean Velocity 10.57 do  
 Least Windy hour 10 p.m.; Mean Velocity 5.39 do } Difference 4.98 miles.

3rd, Solar halo. 4th, heavy rain storm.  
 9th Solar halo, lunar halo at 10 p.m.  
 14th, Solar halo. 16th, dense fog.  
 20th, Thunder storm.  
 6th, Robins numerous. 14th, Wild Pigeons passing N.  
 16th, Woodpeckers numerous. 20th, Frogs heard.  
 25th, Swallows and Butterflies seen.  
 1st, Bay clear of ice. 13th, First Steamer arrived "City of Toronto."

COMPARATIVE TABLE FOR APRIL.

YEAR	TEMPERATURE.				RAIN.		SNOW.		WIND.		Mean Force or Velocity	
	Mean.	Excess above average.	Maxi. Mumb.	Mini. Mumb.	Range.	No. of days.	Inches.	No. of days.	Inches.	Direction.		Resultant. Velocity.
1840	42.4	+ 0.2	68.7	22.8	45.9	14	3.420	2	...	...	...	0.51 ha
1841	43.2	+ 2.0	64.8	19.1	44.5	3	1.370	3	...	...	...	0.57
1842	48.1	+ 0.9	89.8	20.9	69.7	8	3.740	2	...	...	...	0.45
1843	40.9	+ 0.3	71.6	14.7	56.9	7	3.185	3	0.1	...	...	0.24
1844	47.5	+ 6.3	74.6	14.9	69.7	10	1.515	inap.	...	...	...	1.00
1845	42.1	+ 0.9	66.7	15.5	51.2	11	3.280	4	1.5	...	...	0.35
1846	44.0	+ 2.8	81.8	24.2	57.6	10	1.300	2	1.3	...	...	0.59
1847	39.2	- 2.0	65.1	9.3	65.8	8	2.870	2	4.0	...	...	4.95mils
1848	41.3	+ 0.1	65.1	22.7	42.4	5	1.455	1	0.5	N 77 W	1.46	7.50
1849	39.0	- 2.2	72.0	15.5	50.5	10	2.655	2	1.7	N 43 W	3.14	7.64
1850	37.9	- 3.3	65.7	18.0	47.7	7	4.720	3	1.1	N 39 W	1.12	7.64
1851	41.3	+ 0.1	59.3	23.8	33.5	11	2.280	2	1.1	N 19 E	2.52	8.07
1852	38.2	- 3.0	53.8	20.0	33.8	6	1.990	4	9.4	N 23 E	2.44	6.68
1853	41.3	+ 0.7	65.7	25.0	40.7	10	2.685	1	1.0	N 12 W	1.85	5.20
1854	41.0	- 0.2	64.5	20.0	44.3	12	2.685	4	2.7	N 50 E	2.57	6.81
1855	42.4	+ 1.2	89.4	10.7	58.7	13	2.030	3	1.6	N 36 W	3.99	7.57
1856	42.3	+ 1.1	72.2	14.2	58.0	13	2.780	3	0.1	N 29 E	1.64	8.05
1857	35.4	- 5.8	52.0	6.9	46.1	10	1.755	11	12.9	N 50 W	4.15	10.24
1858	41.5	+ 0.3	65.2	21.8	43.4	13	1.642	2	0.1	N 14 W	1.64	9.57
1859	39.5	- 1.7	64.8	22.6	42.2	9	2.577	8	1.0	N 36 W	2.33	10.79
1860	39.5	- 1.7	61.8	19.5	43.2	11	1.282	5	0.3	N 37 W	4.10	10.30
1861	42.0	+ 0.8	67.0	23.8	43.2	12	1.619	4	6.0	N 37 E	2.31	8.90
1862	39.6	- 1.6	68.0	14.5	53.5	10	2.245	4	0.2	N 50 E	2.48	9.77
1863	42.0	+ 0.8	69.0	8.6	60.4	8	2.210	4	3.6	N 14 E	3.75	4.20
1864	40.9	- 0.3	69.4	28.1	31.3	16	3.633	3	1.6	N 41 E	3.39	7.77
1865	43.1	+ 1.9	62.5	23.0	39.5	17	3.972	6	2.0	N 84 W	2.11	8.39
1866	43.9	+ 2.7	71.0	28.5	42.5	7	3.675	2	inap.	N 23 W	2.34	7.95
1867	39.5	- 1.7	65.0	25.4	40.1	12	2.147	5	7.2	N 51 W	2.68	7.89
Results to 1866	41.19	...	67.09	18.88	48.21	9.85	2.462	3.4	2.29	N 13° W	2.03	8.07
Excess for 47	1.69	...	1.59	6.52	8.13	2.16	0.315	1.6	+			0.19