

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR MAY, 1863.

Highest Barometer . . . . . 29.901 at 8 a.m. on 22nd. } Monthly range = 0.880 inches.  
 Lowest Barometer . . . . . 29.011 at 2 p.m. on 31st. }  
 Maximum temperature . . . . . 79° on p.m. of 22nd } Monthly range = 42° 6'  
 Minimum temperature . . . . . 36° 5' on a.m. of 1st }  
 Mean maximum temperature . . . . . 63° 42' } Mean daily range = 17° 15'  
 Mean minimum temperature . . . . . 46° 25' }  
 Greatest daily range . . . . . 31° 8 from p. m. to a. m. of 10th.  
 Least daily range . . . . . 3° 4 from a. m. to p. m. of 11th.  
 Warmest day . . . . . 23rd. Mean Temperature . . . . . 63° 53' } Difference = 29° 50'.  
 Coldest day . . . . . 5th. Mean Temperature . . . . . 49° 08' }  
 Maximum { Solar . . . . . 95° 5 on p. m. of 29th } Monthly range = 70° 0'  
 Radiation { Terrestrial . . . . . 25° 5 on a. m. of 17th }  
 Aurora observed on 0 nights; possible to see Aurora on 13 nights; impossible on 13 nights.  
 Snowing on 1 day; depth 0.1 inches; duration of fall 10 hours.  
 Raining on 14 days; depth, 3.363 inches; duration of fall, 67.7 hours.  
 Mean of cloudiness = 0.48; below average, 0.65. Most cloudy hour observed, 2 p.m.; mean = 0.58; least cloudy hour observed, 10 p.m.; mean = 0.30.  
 Sums of the components of the Atmospheric Current, expressed in Miles.  
 North. . . . . 1191.42  
 South. . . . . 1674.65  
 East. . . . . 1413.85  
 West. . . . .  
 Resultant direction, N. 56° E.; Resultant Velocity, 0.41 miles per hour.  
 Mean velocity 5.89 miles per hour.  
 Maximum velocity 21.8 miles, from noon to 1 p.m. on 18th.  
 Most windy day 5th.—Mean velocity 13.77 miles per hour.  
 Least windy day 27th.—Mean velocity 0.35 miles per hour.  
 Most windy hour, 1 to 2 p.m.—Mean velocity, 8.82 miles per hour. } Difference 13.44  
 Least windy hour, 5 to 6 a.m.—Mean velocity, 4.10 miles per hour. }  
 1st. Slight hoar frost, 6 a.m.—5th. Particles of snow, hail, and rain, 10 and 11 a.m.—  
 13th. Distant thunder in W. at 2.45 and 3.30 p.m.—20th. Thunderstorm passing  
 from N.W. to E. at 8 a.m.—21st. Sheet lightning in S.W. at 9 p.m.—28th. Corons  
 round the moon at 9 p.m.—29th. Solar halo, 8 a.m. to 4 p.m.; very perfect lunar  
 halo at 10 p.m.—30th. Thunderstorm, sheet and forked lightning, and heavy  
 rain in S.W., 11 a.m. to 6.30 p.m.; slight fog 4 p.m.  
 Great range of temperature from a.m. to p.m. of 10th = 34° 8 in 14 hours.  
 Heavy dew recorded on 14 mornings during the month.  
 May, 1863, was comparatively mild, wet, calm, and clear.

COMPARATIVE TABLE FOR MAY.

YEAR	Mean	TEMPERATURE.			RAIN.		SNOW.		WIND.			
		Excess Above Average (51° F.)	Maximum Observed	Minimum Observed	Range.	No. of days	Inches.	No. of days	Inches.	Resultant Direction.	Mean Force or Velocity	
1840	53.8	+ 2.4	74.5	50.8	43.7	9	4.150	0	...	...	0.55 lbs	
1841	50.5	+ 0.9	76.2	26.6	49.0	11	2.350	1	...	...	0.53 "	
1842	49.1	+ 2.3	74.3	30.0	44.3	7	1.275	0	...	...	0.52 "	
1843	49.1	+ 2.3	73.6	28.0	39.7	5	1.570	0	...	...	0.30 "	
1844	48.0	+ 2.2	77.7	29.0	48.7	14	5.670	0	...	...	0.55 "	
1845	49.6	+ 1.8	76.6	29.4	47.2	8	2.899	0	...	...	0.46 "	
1846	55.5	+ 4.1	78.1	34.3	43.8	9	4.375	0	...	...	0.29 "	
1847	51.4	+ 3.0	72.5	27.8	44.7	12	2.010	0	...	...	1.33 4.93 ms	
1848	48.0	+ 3.4	78.5	31.9	46.6	16	5.115	0	...	...	1.97 5.33 "	
1849	47.6	+ 3.8	76.3	31.1	45.2	7	0.545	0	...	...	2.05 6.34 "	
1851	51.3	+ 0.1	73.2	28.7	44.5	12	2.560	1	Imp.	N 51 E	2.05 6.34 "	
1852	51.1	+ 0.0	73.3	34.5	38.8	7	1.125	1	Imp.	N 64 W	2.05 6.34 "	
1853	50.9	+ 0.5	78.4	33.4	40.0	17	4.429	1	Imp.	S 82 W	0.99 4.00 "	
1854	52.2	+ 0.8	69.0	27.6	41.4	11	4.630	0	0.0	E	0.46 5.38 "	
1855	53.1	+ 1.7	74.8	33.9	40.9	6	2.565	0	0.0	N 1 W	2.76 5.99 "	
1856	50.5	+ 0.9	80.1	35.5	44.6	14	4.580	0	0.9	N 4 E	3.99 9.81 "	
1857	48.9	+ 2.5	72.5	27.9	41.6	15	4.145	1	Imp.	N 23 W	1.14 8.13 "	
1858	48.9	+ 2.5	66.0	35.6	31.0	17	6.367	0	0.0	N 42 E	3.33 9.30 "	
1859	55.2	+ 3.8	73.2	41.5	34.7	11	3.410	0	0.0	N 72 E	1.53 5.70 "	
1860	55.5	+ 4.1	76.2	35.6	37.6	16	1.815	0	0.0	N 26 E	2.66 7.17 "	
1861	47.5	+ 3.9	72.0	29.1	42.9	12	3.380	0	0.5	N 47 W	3.60 9.87 "	
1862	52.2	+ 0.8	77.8	38.1	39.7	8	1.427	0	0.0	N 52 W	2.80 7.17 "	
1863	51.3	+ 2.9	77.1	38.1	39.0	14	3.363	1	0.1	N 66 E	0.41 5.89 "	
Results to 1861.	51.39	...	74.80	31.85	42.97	11.3	3.241	0.5	0.10	N 2 W	1.49 6.62	
Exc. for 1863.	+2.01	+ 2.30	+ 2.30	+ 0.27	+ 3.97	+ 2.7	+ 0.122	+ 0.5	0.00	...	...	-0.75