

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR MAY, 1861.

Highest Barometer 29.955 at 8 a. m. on 30th. } Monthly range = 1.311 inches.
 Lowest Barometer 28.044 at 10 p. m. on 6th. }
 Maximum temperature 79° 0 on p. m. of 25th } Monthly range = 45° 0
 Minimum temperature 28° 0 on a. m. of 2nd }
 Mean maximum temperature 55° 00 } Mean daily range = 15° 65.
 Mean minimum temperature 49° 04 }
 Greatest daily range 28° 4 from a. m. to p. m. on 30th.
 Least daily range 5.0 from a. m. to p. m. on 13th.
 Warmest day . . . 25th ... Mean Temperature . . . = 62° 25 } Difference = 27° 32.
 Coldest day . . . 1st ... Mean Temperature . . . = 31° 53 }
 Radiation { Terrestrial 88° 0 on p. m. of 25th } Monthly range = 68° 0
 { Solar 22.0 on a. m. of 2nd }
 Aurora observed on 5 nights, viz: 4th, 8th, 15th, 16th, and 17th; possible to see
 Aurora on 18 nights; impossible on 13 nights.
 Snowing on 1 day: depth, 0.5 inches; duration of fall, 1.0 hours.
 Raining on 12 days; depth, 3.380 inches; duration of fall, 47.9 hours.
 Mean of cloudiness = 0.49, below average 0.04; most cloudy hour observed 8 a. m.,
 mean = 0.56; least cloudy hour observed 10 p. m., mean = 0.36.

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

South. East. West.
 2789.34 962.51 1507.57
 Resultant direction, N 47° W; Resultant Velocity, 3.60 miles per hour.
 Mean velocity 0.17 miles per hour.
 Maximum velocity . . . 43.6 miles, from noon to 1 p. m. on the 27th.
 Most windy day . . . 27th—Mean velocity 27.96 miles per hour. } Difference
 Least windy day . . . 22nd—Mean velocity, 2.47 do } 25.49 miles.
 Most windy hour, 11 a. m. to noon.—Mean velocity, 13.36 miles per hour. } Difference
 Least windy hour, 4 to 5 a. m.—Mean velocity, 5.07 do } 8.29 miles.

1st. Snowing and sleet till 7 a. m.; cold, stormy day.—2nd. Ice 0.5 inch thick at
 6 a. m.; cold day.—3rd. Thin ice at 6 a. m.; cold day.—4th. Ice 1 inch thick at
 6 a. m.—10th. Solar halo during the forenoon.—Dense fog at 10 p. m. and mid-
 night.—14th. Dense fog and heavy dew at 6 a. m.—15th. Distant thunder, p. m.;
 perfect rainbow at 7 p. m.—17th. Lunar halo at 10 p. m. and midnight.—18th.
 Lunar halo at 10 p. m.—23rd. Lunar halo at 10 p. m.—24th. Severe thunderstorm
 from 10 p. m. to 3 a. m. of 25th.—26th. Thunderstorm, vivid lightning, and mode-
 rate rain from 6 to 8 a. m.

Ice frost recorded on 5 mornings during the month.
 Heavy dew observed on 6 mornings during the month.

The barometric reading at 10 p. m. on the 6th, was the lowest noted in any May
 during the last 22 years.
 The 27th was the most windy day in May during the last 14 years.
 The Resultant Direction and Velocity of the Wind for the month of May, from
 1848 to 1861 inclusive, were respectively N. 2° W., and 1.49 miles.
 May, 1861, was the coldest since the establishment of this Observatory.

COMPARATIVE TABLE FOR MAY.

YEAR.	TEMPERATURE.			RAIN.		SNOW.		WIND.	
	Mean.	Difference from Average.	Maximum observed.	Minimum observed.	Range.	No. of days.	Inches.	Resultant Direction.	Mean Velocity.
1840	53.8	+ 2.4	74.5	30.8	43.7	9	4.150	...	0.55 lbs
1841	50.5	— 0.9	76.2	26.6	49.6	11	2.350	...	0.53 "
1842	49.1	— 2.3	74.3	30.0	44.3	7	1.275	...	0.52 "
1843	49.1	— 2.3	79.6	28.9	50.7	5	1.570	...	0.30 "
1844	53.6	+ 2.2	77.7	29.0	48.7	14	5.670	...	0.55 "
1845	49.6	— 1.8	76.6	29.4	47.2	8	2.300	...	0.45 "
1846	55.5	+ 4.1	78.1	34.3	43.8	9	4.375	...	0.46 "
1847	64.4	+ 3.0	72.5	27.8	44.7	12	2.040	...	0.93 "
1848	64.1	+ 2.7	78.5	31.9	46.6	13	2.520	N 40 W	1.81 4.83 ms.
1849	48.0	— 3.4	72.5	32.7	39.8	16	5.115	N 51 E	1.97 5.33 "
1850	47.6	— 3.8	76.3	31.1	45.2	7	0.545	N 64 W	2.03 6.32 "
1851	51.3	— 0.1	73.2	28.7	44.5	12	2.950	N 32 W	1.59 6.34 "
1852	51.4	0.0	73.3	28.7	44.6	7	1.125	S 82 W	0.90 4.00 "
1853	50.9	— 0.5	73.4	28.7	44.7	11	4.420	N 2 W	0.83 5.16 "
1854	52.2	— 0.8	69.0	27.6	41.4	17	4.630	E	0.49 5.38 "
1855	53.1	+ 1.7	79.1	33.9	45.2	6	2.565	N 1 W	2.70 5.88 "
1856	50.5	— 0.9	80.4	35.5	44.9	14	4.580	N 4 E	3.69 9.81 "
1857	48.9	— 2.5	72.5	27.9	44.6	15	4.145	N 23 W	1.14 8.13 "
1858	48.9	— 2.5	69.0	35.0	34.0	17	6.367	N 42 E	3.33 9.30 "
1859	55.2	+ 3.8	73.2	41.5	31.7	11	3.410	N 72 E	1.60 5.70 "
1860	53.5	— 3.9	73.2	35.6	37.6	16	1.815	N 26 E	2.68 7.17 "
1861	47.5	— 4.1	72.0	29.1	42.9	12	3.380	N 47 W	3.00 9.17 "
Mean	51.39	...	74.80	31.33	42.97	11.3	3.241	...	6.62
Diff. from Av'ge.	— 3.89	...	— 2.80	— 2.73	— 0.07	+ 0.7	0.139	...	+ 2.55