

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR FEBRUARY.

Highest Barometer..... 30.060 at 4 p. m., on 23rd } Monthly range =
 Lowest Barometer ... 28.840 at 8 p. m., on 9th } 1.120
 Maximum Temperature..... 42° 4 on p. m., of 27th } Monthly range =
 Minimum Temperature..... -7° 3 on a. m., of 17th } 49° 7
 Mean maximum Temperature 24° 11 } Mean daily range =
 Mean minimum Temperature 10° 85 } 13.26
 Greatest daily range 25° 6 from a. m. to p. m. of 12th.
 Least daily range..... 3° 2 from p. m. of 15th to a. m. of 16th.
 Warmest day..... 27th ... Mean temperature..... 38.07 } Difference = 38° 47.
 Coldest day..... 17th ... Mean temperature..... 1° 60 } 76° 0
 Maximum { Solar..... 61° 0 on p. m. of 27th, } Monthly range =
 Radiation { Terrestrial..... -15° 0 on a. m. of 17th. } 76° 0
 Aurora observed on 6 nights, viz., on 12th, 14th, 15th, 16th, 17th and 18th.
 Possible to see Aurora on 11 nights; impossible on 17 nights.
 Snowing on 10 days, -depth 20.7 inches; duration of fall 96.0 hours.
 Raining on 1 day, -depth inapp. inches; duration of fall 0.5 hours.
 Mean of cloudiness = 0.69.
 Most cloudy hour observed, 2 p. m., mean = 0.75; least cloudy hour observed, midnight, mean, = 0.62.

Series of the components of the Atmospheric Current, expressed in miles.
 North. South. East. West.
 1856.62 1244.28 3302.41
 Resultant direction N. 7° W.; Resultant Velocity 3.22 miles per hour.
 Mean velocity..... 9.12 miles per hour.
 Maximum velocity..... 31.2 miles from noon to 1 p. m., on 10th.
 Most windy day..... 10th... Mean velocity 21.80 miles per hour.
 Least windy day..... 8th... Mean velocity 2.63 ditto.
 Most windy hour ... 11 a.m. to noon..... Mean velocity 10.69 ditto.
 Least windy hour. 9 to 10 p. m..... Mean velocity 8.67 ditto.

1st. Clouds of dust flying in Toronto during the afternoon. Perfect Solar Halo at 2 p. m.
 3rd. Zodiacal Light very bright at 7 p. m.
 10th. Very Stormy, cold day.
 11th. Zodiacal Light bright and well defined during the evening.
 13th. Stormy day. Snowing and drifting heavily.
 18th. Perfect Lunar Halo from 7 p. m.
 20th. Corona round the Moon at 9 p. m.
 22nd. Corona round the Moon at midnight.
 23rd. Lunar Halo, 6 to 8 p. m. Corona at 10 p. m.
 26th. Lunar Halo at 9 p. m.

The mean Temperature of February 1858 was 5° 08 below the average of 19 years; and although the quantity of Rain was inappreciable, the amount of the Moisture almost reached the average, as the fall of Snow was 8.84 inches in excess of the usual depth.

The mean velocity of the Wind was 1.37 miles per hour above the average of 11 years, and the Resultant direction and velocity from 1848 to 1858 inclusive were respectively N 71° W. and 2.96 miles.

COMPARATIVE TABLE FOR FEBRUARY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	M'n.	Diff. from Aver.	Max. ob'd.	Min. ob'd.	Range.	No. of days.	Inch's.	No. of days.	Inch's.	Resultant. Direction.	Mean Force or Velocity.
1840	28.0	+5.2	49.1	+8.3	40.8	8	1.475	6	...	...	0.61 lbs.
1841	22.4	-0.3	33.4	-0.3	43.7	8	0.000	9	...	...	1.03
1842	26.9	+4.2	38.7	+2.5	46.2	1	3.425	9	...	...	1.05
1843	14.5	-8.2	37.5	-10.2	47.7	1	0.475	21	14.4	...	0.43
1844	25.0	+3.3	47.1	-0.4	47.5	1	0.450	7	10.0	...	0.99
1845	26.0	+3.3	46.6	-3.9	50.5	5	0.000	13	46.1	...	0.65
1846	20.4	-2.3	41.4	-16.2	57.6	0	0.550	13	27.3	...	0.69
1847	21.5	-1.2	42.2	-1.0	43.2	2	0.550	13	27.3	N 65° W	2.53
1848	26.6	+3.9	46.9	-0.6	47.5	4	0.775	18	10.8	N 41° W	1.48
1849	19.5	-3.2	41.1	-9.2	50.3	5	0.240	13	19.2	N 80° W	3.43
1850	26.0	+3.2	49.2	+1.3	47.9	7	1.235	9	23.1	N 64° W	1.99
1851	27.6	+4.5	50.2	+1.3	48.9	7	2.600	4	2.4	S 75° W	3.34
1852	23.4	+0.7	41.2	-3.2	44.4	3	0.630	11	13.0	N 49° W	2.51
1853	24.1	+1.4	43.4	-0.6	44.0	4	1.030	15	12.6	N 7° E	1.68
1854	21.1	-1.6	42.7	-5.7	48.4	5	1.460	15	18.0	N 40° W	4.34
1855	15.4	-7.3	37.3	-25.0	62.3	2	1.770	14	21.8	N 81° W	7.70
1856	15.7	-7.0	35.3	-18.7	54.0	0	0.000	8	9.7	S 75° W	3.68
1857	28.5	+5.8	51.2	-5.9	57.1	11	3.050	11	11.7	N 72° W	3.22
1858	17.0	-5.7	40.9	-6.0	47.5	1	inap.	16	26.7	...	9.12
M	22.66	...	43.97	-4.95	48.92	3.9	1.076	11.1	17.86	...	7.75 mls.