

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR NOVEMBER.

Highest Barometer..... 30.281 at 10 a. m., on 26th } Monthly range =
 Lowest Barometer..... 28.452 at 10 a. m., on 19th } 1.829
 { Maximum Temperature..... 58°-2 on p. m., of 8th } Monthly range =
 { Minimum Temperature..... -8°-5 on a. m., of 25th } 61.7
 { Mean maximum Temperature..... 59°4 } Mean daily range =
 { Mean minimum Temperature..... 28°55 } 13.39
 { Greatest daily range..... 27°6 from a. m. of 17th to a. m. of 20th.
 { Least daily range..... 5°6 from p. m. of 17th to a. m. of 18th.
 Warmest day..... 6th ... Mean temperature..... 49.92 } Difference = 38°92.
 Coldest day..... 25th ... Mean temperature..... 11°06 }
 Maximum { Solar..... 69°0 on p. m. of 6th, } Monthly range =
 Radiation, { terrestrial..... -9°-2 on a. m. of 25th } 78°2
 Aurora observed on 2 nights, viz., on 17th and 23rd.
 Possible to see Aurora on 14 nights; impossible on 16 nights.
 Raining on 14 days,—depth 8.255 inches; duration of fall 73.6 hours:
 Snowing on 9 days,—depth 6.9 inches; duration of fall 46.2 hours.
 Mean of cloudiness = 0.67.
 Most cloudy hour observed, 2 p. m., mean = 0.83; least cloudy hour observed,
 midnight, mean, = 0.52.

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

North..... South.....
 781.66 2675.52
 Resultant direction S. 61° W.; 9.25 miles per hour.
 Mean velocity..... 254 miles from 6 to 7 p. m., on 21st.
 Most windy day..... 18th... Mean velocity 19.86 miles per hour.
 Least windy day..... 28th... Mean velocity 1.98 ditto.
 Most windy hour... 1 to 2 p. m..... Mean velocity 12.70 ditto.
 Least windy hour... 9 to 10 p. m..... Mean velocity 7.51 ditto. } 5.19 miles.

5th. Sheet Lightning from 7 p. m. and Thunderstorm from 9 to 9-30 p. m.
 8th. Sheet Lightning from 7 to 10 p. m.
 10th. Ice on the pools at 6 a. m.
 16th, 20th and 21st. Continual high wind and great Barometric depression.
 22nd. Faint Halo round the Moon at 8-45 p. m.
 25th. Toronto Bay frozen over.
 27th. Large and perfect Halo round the Moon from 7 p. m.
 29th. Halo round the Moon from 5-30 p. m.

Barometer.—The mean height of the barometer was .095 below the average; the minimum 28.452 was the lowest reading ever recorded; and the monthly range was the greatest for any November during the series.

Temperature.—The mean temperature was 39°8 below the average; the minimum (-8°5) was the lowest entry, and the 25th was the coldest day of any November.

Record: the monthly range also was never exceeded in any previous November.

Rain and Snow.—The depth of rain was .294 inches above the average, and the depth of snow also was 3.63 inches in excess of the mean.

Wind.—The resultant direction and velocity from 1848 to 1857 were N. 32° W. 2.06 miles per hour.

There was a marked absence of meteors at the epoch of their usual appearance. The freezing of the Toronto Bay on the 25th was the earliest instance of this occurrence ever recorded. On the return of the mild weather the ice again broke up.

COMPARATIVE TABLE FOR NOVEMBER.

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.	Mean Force or Velocity.
1840	35.9	-0.7	54.4	20.5	33.9	5	1.226	8	...	...	...
1841	35.0	-1.6	63.2	7.6	55.6	9	2.150	5	...	...	0.31 lbs.
1842	33.3	-3.3	50.6	7.6	43.0	8	5.310	10	...	...	1.22
1843	33.5	-3.1	51.2	14.4	36.8	10	4.765	7	1.2	...	0.59
1844	34.0	-1.7	49.8	12.0	37.8	8	imp.	4	8.0	...	0.49
1845	36.8	+0.2	58.8	7.6	51.2	7	1.103	4	5.0	...	0.53
1846	41.3	+4.7	55.5	18.2	37.3	12	5.805	2	0.4	...	0.64
1847	38.6	+2.0	58.2	7.8	50.4	14	3.155	3	Imp.	...	0.36
1848	34.5	-2.1	49.3	16.5	32.8	9	2.020	2	1.0	N 39° W	1.51
1849	42.6	+6.0	56.7	28.4	28.3	10	2.812	2	1.0	N 42° W	1.43
1850	38.8	+2.2	62.3	18.1	44.2	7	2.085	6	6.7	N 50° W	1.25
1851	32.9	-3.7	50.1	10.5	39.6	5	3.682	3	2.0	N 59° W	1.53
1852	36.0	-0.6	50.4	18.7	31.7	17	1.775	3	2.7	N 10° E	0.56
1853	38.7	+2.1	54.1	14.4	39.7	7	2.425	6	2.7	N 88° W	0.52
1854	36.8	+0.2	54.1	15.1	39.8	13	1.115	4	1.3	N 66° W	3.18
1855	38.6	+2.0	54.1	18.7	35.4	6	4.506	0	3.0	N 85° W	2.93
1856	37.4	+0.8	56.4	22.8	33.6	10	1.375	9	6.9	S 61° W	5.45
1857	33.5	-3.1	57.8	-2.3	60.1	14	3.235	9	6.9	...	...
1858	36.62	...	54.88	14.50	40.29	9.5	2.941	5.1	3.27	...	6.80 miles.