

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JANUARY.

Highest Barometer 30.168 at 8 a. m., on 8th } Monthly range =
 Lowest Barometer 29.181 at 4 p. m., on 31st } 0.987
 Maximum Temperature 37.2 at a. m., of 27th } Monthly range =
 Minimum Temperature -20.1 on p. m. of 22nd } 57.3
 Mean maximum Temperature 19.46 } Mean daily range =
 Mean minimum Temperature 0.85 } 18.61
 Greatest daily range 39.0 from a. m. of 26th to a. m. of 27th.
 Least daily range 5.9 from p. m. of 11th to a. m. of 12th.
 Warmest day 2nd .. Mean temperature 28.92 } Difference = 43.30.
 Coldest day 22nd .. Mean temperature -14.38 }
 Maximum { Solar 44.0 on a. m. 27th } Monthly range =
 Radiation. { Terrestrial -30.5 on a. m. 23rd } 74.5
 No auroral light observed.
 Possible to see Aurora on 12 nights; impossible on 19 nights.
 Snowing on 16 days.—depth 21.8 inches; duration of fall 87.8 hours.
 Raining on 3 days,—depth fuapp. inches; duration of fall 6.5 hours.
 Mean of cloudiness = 0.69.
 Most cloudy hour observed, 8 a. m., mean = 0.74; least cloudy hour observed,
 2 p. m., mean, = 0.63.

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

	North.	South.	East.	West.
Resultant direction N. 70° W.; Resulant Velocity 4.96.	2860.21	1010.39	807.11	4367.69
Mean velocity 10.31 miles per hour.				
Maximum velocity 32.0 miles from 10 to 11 a. m. on the 17th.				
Most windy day 30th ... Mean velocity 16.01 miles per hour.				
Least windy day 26th ... Mean velocity 3.12 ditto.				
Most windy hour ... 11 a. m. to noon ... Mean velocity 13.63 ditto. } Difference				
Least windy hour ... 10 to 11 p. m. ... Mean velocity 8.11 ditto. } 5.52 miles.				

5th—Corona round the moon at 8 and 9 p. m.

6th—Halo round the Moon, 7 p. m.

12th—Halo round the Moon, at midnight.

22nd—The coldest day recorded in January, only once equalled, viz, on 6th February, 1856.

This has been the coldest month yet recorded at Toronto, the temperature having been 10°.47 below the average of January for the last 18 years, and 1°7 lower than that of February, 1843, the coldest month that had been previously known.

The quantity of snow was 7.85 inches above the average of the last 15 years.

The Resultant Direction of the wind in January, from 1848 to 1857 inclusive was N 72° W, and the resultant velocity 2.78 miles.

COMPARATIVE TABLE FOR JANUARY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.	
	M'u.	Diff. from aver.	Max. ob'd.	Min. ob'd.	Range.	No. of days.	Inch's.	No. of days.	Direction.	Mean Force or Velocity.
1840	17.0	-6.2	40.6	-13.6	54.4	4	1.395	11	...	...
1841	25.6	+2.4	41.7	-4.1	45.8	2	2.150	14	...	0.36 lbs.
1842	27.9	+4.7	45.8	+1.3	44.5	5	2.170	9	...	0.78
1843	28.7	+5.5	54.4	+1.5	52.9	6	4.205	12	...	0.69
1844	20.2	-3.0	44.6	-7.7	52.3	7	3.005	11	...	0.70
1845	26.5	+3.3	43.0	-3.4	46.4	5	imperf	9	...	0.55
1846	26.7	+3.5	41.2	+0.3	40.9	5	2.335	10	...	1.09
1847	28.3	+0.1	42.6	-2.2	44.8	7	2.135	6	...	2.03
1848	28.7	+5.5	51.5	-12.0	63.5	7	2.245	8	N 82° W	3.76
1849	18.6	-4.7	40.1	-15.2	55.3	4	1.175	8	N 63° W	6.71
1850	29.7	+6.5	46.3	+10.6	35.7	5	1.250	8	N 37° W	0.69
1851	25.5	+2.3	43.2	-12.8	56.0	4	1.275	10	S 77° W	3.26
1852	18.4	-4.8	37.9	-7.0	44.3	0	0.000	19	N 68° W	3.14
1853	23.0	-0.2	40.9	-6.6	47.5	1	0.290	6	N 27° W	2.52
1854	23.6	-0.4	45.2	-4.3	49.5	7	1.270	11	N 78° W	2.31
1855	23.9	+2.7	48.2	-4.7	52.9	5	0.525	13	N 80° W	1.86
1856	16.0	-7.2	33.1	-12.1	45.2	0	0.000	14	N 75° W	5.24
1857	12.8	-10.4	34.6	-20.1	54.7	3	inapp	16	N 70° W	4.96
M	23.22	...	43.02	-6.24	49.26	4.8	1.501	10.9		7.56 miles