

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JANUARY, 1877.

COMPARATIVE TABLE FOR JANUARY.

YEAR.	TEMPERATURE.				RAIN.		SNOW.		WIND.		
	Mean.	Excess above Average.	Maxi- mum.	Mini- mum.	Range.	No. of days.	Inches.	No. of days.	Inches.	Resultant- Direc-tion.	Mean Velocity.
1849	18.5	-4.4	39.5	-14.2	53.7	4	1.175	10	9.2	N 63° W	3.06
1850	22.7	+6.8	46.4	9.9	36.5	6	1.250	8	6.2	N 37° W	6.80
1851	25.5	+2.6	43.4	-12.8	56.2	4	1.275	10	7.5	N 73° W	7.69
1852	18.4	-4.5	37.3	-10.6	47.9	0	0.000	6	30.9	N 63° W	3.14
1853	23.0	+0.1	40.9	-9.7	50.6	1	0.290	6	7.8	N 27° W	2.52
1854	23.6	+0.7	46.4	-5.4	51.8	7	1.270	11	7.6	N 77° W	4.44
1855	25.9	+3.0	49.0	-5.4	54.4	6	0.625	13	23.3	N 73° W	1.91
1856	16.0	-6.9	34.4	-12.6	46.4	0	0.600	14	13.4	N 75° W	2.21
1857	12.8	-10.1	37.2	-20.1	57.3	3	1.122	16	21.5	N 74° W	1.96
1858	30.0	+7.1	47.4	6.5	40.9	6	1.152	11	4.0	N 71° W	2.53
1859	26.4	+3.5	43.2	-26.5	69.7	6	1.449	19	16.4	N 81° W	3.17
1860	23.4	+0.5	46.4	-6.8	53.2	6	0.740	16	8.1	N 89° W	6.09
1861	19.9	-3.0	37.0	-11.2	48.2	4	0.685	23	20.4	N 86° W	2.92
1862	21.7	-1.2	44.5	-2.6	47.1	5	0.115	10	27.4	N 26° W	2.69
1863	28.1	+6.2	47.0	-14.0	61.0	1	1.122	17	20.6	N 61° W	1.13
1864	22.8	-0.1	44.2	-9.0	53.2	5	1.163	14	20.3	N 73° W	6.00
1865	17.7	-6.2	37.2	-9.0	46.2	1	0.440	18	14.8	N 85° W	1.80
1866	20.7	-2.2	44.0	-14.0	58.0	4	0.522	19	10.3	N 75° W	2.98
1867	17.6	-5.3	33.8	-4.8	48.6	1	1.122	21	42.0	N 55° W	3.27
1868	19.0	-3.9	30.0	-7.0	48.0	2	1.122	21	14.6	N 83° W	3.97
1869	27.7	+4.8	43.0	-1.0	46.0	4	0.387	12	9.8	N 72° W	3.40
1870	24.4	+1.5	45.0	-3.2	48.2	8	3.412	18	21.3	N 89° W	2.53
1871	21.3	-1.6	40.4	-13.2	53.6	6	0.864	23	43.6	N 49° W	2.66
1872	22.4	-0.6	41.8	-2.6	44.3	5	0.220	15	3.9	N 87° W	4.73
1873	17.7	-5.2	40.0	-18.4	64.4	4	1.110	17	39.2	N 78° W	2.96
1874	24.8	+1.9	57.5	-4.0	61.5	13	2.820	15	12.2	N 61° W	3.42
1875	16.1	-6.8	39.0	-8.8	47.8	1	1.122	17	32.3	N 88° W	1.06
1876	29.0	+6.1	57.5	-5.1	62.4	12	1.960	9	3.2	N 70° W	6.31
1877	17.5	-5.4	40.8	-13.9	54.7	2	0.036	15	13.4	N 87° W	5.20
Results to 1876	22.94		43.80	-8.02	51.82	4.92	1.227	14.05	17.07	N 80° W	3.23
Excess for 1877	5.39		3.00	5.88	2.88	2.92	1.197	0.95	3.67	...	+ 0.96

NOTE.—The monthly means of the Barometer and Temperature include Sunday observations. The daily means, excepting those that relate to the wind, are derived from six observations daily, namely, at 6 A.M., 8 A.M., 2 P.M., 4 P.M., 10 P.M., and midnight. The means and resultants for the wind are from hourly observations.

Highest Barometer.....30.144 at 6 a.m. on 12th. } Monthly range
 Lowest Barometer.....29.020 at 6 a.m. on 7th. } 1.124.
 { Maximum temperature.....40.8 on 20th. } Monthly range
 { Minimum temperature.....-13.9 on 12th. } 54.7.
 { Mean maximum temperature.....24.32 } Mean Daily range
 { Mean minimum temperature.....-9.99 } 50.33.
 { Greatest daily range.....29.9 from a.m. to p.m. on 20th.
 { Least daily range.....6.4 from a.m. to p.m. on 31st.
 Warmest day.....31st; mean temperature.....31.48 } Difference=37.60.
 Coldest day.....12th; mean temperature.....-6.12 }
 Maximum { Solar.....125.0 on 16th. } Monthly range
 Radiation { Terrestrial.....-19.0 on 12th. } 144.0

No Aurora observed.

Possible to see Aurora on 13 nights; impossible on 18 nights.

Raining on 2 days; depth, 0.030 inches; duration of fall, 4.5 hours.

Snowing on 15 days; depth, 13.4; duration of fall, 53.6 hours.

Mean of cloudiness, 0.69.

WIND.

Resultant direction, S. 87° W.; resultant velocity, 5.20 miles.

Mean velocity, 9.60 miles per hour.

Maximum velocity, 35.0 miles per hour, from 1 to 2 p.m. of 20th.

Most windy day, 20th; mean velocity, 20.29 miles per hour.

Least windy day, 29th; mean velocity, 3.08 miles per hour.

Most windy hour, 2 p.m.; mean velocity, 12.30 miles per hour.

Least windy hour, 1 a.m.; mean velocity, 7.79 miles per hour.

Solar halos on 2nd, 9th, 20th, 24th, 31st.

Lunar halos on 8th, 21st, 23rd, 25th.

Fog on 23th and 31st.