

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JANUARY, 1866.

COMPARATIVE TABLE FOR JANUARY.

HIGHEST BAROMETER										LOWEST BAROMETER									
30.940 at 8 a.m. on 8th.										29.110 at 6 a.m. on 16th.									
Maximum Temperature -44° 0 on 20th.										Maximum Temperature -44° 0 on 20th.									
Minimum Temperature -14° 0 on 8th.										Minimum Temperature -14° 0 on 8th.									
Mean Maximum Temperature 26° 32										Mean Maximum Temperature 26° 32									
Mean Minimum Temperature 12° 70										Mean Minimum Temperature 12° 70									
Greatest daily range 40° 8										Greatest daily range 3° 8 from a.m. to p.m. of 1st.									
Least daily range 19th										Least daily range 19th									
Warmest day 19th										Warmest day 19th									
Coldest day 17th										Coldest day 17th									
Maximum Solar Radiation 90° 3										Maximum Solar Radiation 90° 3									
Aurora observed on 3 nights, viz., 2nd, 8th and 20th.										Aurora observed on 3 nights, viz., 2nd, 8th and 20th.									
Possible to see Aurora on 11 nights; impossible on 20 nights.										Possible to see Aurora on 11 nights; impossible on 20 nights.									
Snowing on 19 days; depth 10.3 inches; duration of fall 78.9 hours.										Snowing on 19 days; depth 10.3 inches; duration of fall 78.9 hours.									
Raining on 4 days; depth 0.532 inches; duration of fall 26.0 hours.										Raining on 4 days; depth 0.532 inches; duration of fall 26.0 hours.									
Mean of cloudiness=0.76; most cloudy hour observed, 2 p.m.; mean=0.80; least cloudy hour observed, 10 p.m.; mean=0.67.										Mean of cloudiness=0.76; most cloudy hour observed, 2 p.m.; mean=0.80; least cloudy hour observed, 10 p.m.; mean=0.67.									
Sums of the components of the Atmospheric Current, expressed in Miles.										Sums of the components of the Atmospheric Current, expressed in Miles.									
North. South. East. West.										North. South. East. West.									
2050.61 1503.85 1527.81 3973.06										2050.61 1503.85 1527.81 3973.06									
Resultant Direction, N. 75° W.; Resultant Velocity, 2.98 miles per hour.										Resultant Direction, N. 75° W.; Resultant Velocity, 2.98 miles per hour.									
Mean Velocity, 9.34 miles per hour.										Mean Velocity, 9.34 miles per hour.									
Maximum Velocity, 32.0 miles, from noon to 1 p.m. on 20th.										Maximum Velocity, 32.0 miles, from noon to 1 p.m. on 20th.									
Least windy day, 20th.—Mean velocity 24.37 miles per hour.										Least windy day, 20th.—Mean velocity 24.37 miles per hour.									
Least windy hour, 6 a.m.—Mean velocity 12.00 miles per hour.										Least windy hour, 6 a.m.—Mean velocity 12.00 miles per hour.									
Least windy hour, 11 a.m.—Mean velocity 7.67 miles per hour.										Least windy hour, 11 a.m.—Mean velocity 7.67 miles per hour.									
The reading of the Barometer at 8 a.m. of the 8th, 30.940 is the highest entry yet recorded; the highest previously recorded being 30.562 on the 8th of January, 1855.										The reading of the Barometer at 8 a.m. of the 8th, 30.940 is the highest entry yet recorded; the highest previously recorded being 30.562 on the 8th of January, 1855.									
The mean temperature of the 7th is the third lowest recorded, being exceeded by the 6th February, 1855, and the 22nd January, 1857, the temperature of these being 1st. Lunar halo. 4th. Lunar corona. 7th. Very cold day. 16th. Very stormy day. 21st. Solar halo and parhelia. 23rd. Solar halo. 20th. Very rapid change of temperature, falling about 27° in about 6 hours.										The mean temperature of the 7th is the third lowest recorded, being exceeded by the 6th February, 1855, and the 22nd January, 1857, the temperature of these being 1st. Lunar halo. 4th. Lunar corona. 7th. Very cold day. 16th. Very stormy day. 21st. Solar halo and parhelia. 23rd. Solar halo. 20th. Very rapid change of temperature, falling about 27° in about 6 hours.									

Notes.—The monthly means do not 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 results for the wind are from hourly observations.

Highest Barometer 30.940 at 8 a.m. on 8th. } Monthly range=1.830 inches.
 Lowest Barometer 29.110 at 6 a.m. on 16th. }
 Maximum Temperature -44° 0 on 20th. } Monthly range=55° 0
 Minimum Temperature -14° 0 on 8th. }
 Mean Maximum Temperature 26° 32 } Mean daily range=13° 62
 Mean Minimum Temperature 12° 70 }
 Greatest daily range 40° 8 from a.m. of 16th to a.m. of 10th.
 Least daily range 3° 8 from a.m. to p.m. of 1st.
 Warmest day 19th... Mean Temperature 32° 92 } Difference=41° 80
 Coldest day 7th... Mean Temperature 9° 48 }
 Maximum Solar Radiation 90° 5 on 31st. } Monthly range=110° 3
 Terrestrial -19° 8 on 8th. }
 Aurora observed on 3 nights, viz.—2nd, 8th and 20th.
 Possible to see Aurora on 11 nights; impossible on 20 nights.
 Snowing on 19 days; depth 10.3 inches; duration of fall 78.9 hours.
 Raining on 4 days; depth 0.522 inches; duration of fall 20.6 hours.
 Mean of cloudiness=0.76; most cloudy hour observed, 2 p.m.; mean=0.80; least cloudy hour observed, 10 p.m.; mean=0.67.

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

North. South. East. West.
 2059.61 1563.83 1527.81 3073.06
 Resultant Direction, N. 75° W.; Resultant Velocity, 2.98 miles per hour.
 Mean Velocity, 9.34 miles per hour.

Maximum Velocity, 32.0 miles, from noon to 1 p.m. on 20th.
 Most windy day, 20th—Mean velocity 24.37 miles per hour.
 Least windy day, 9th—Mean velocity 0.35 miles per hour.
 Most windy hour, 11 a.m.—Mean velocity 12.00 miles per hour.
 Least windy hour, 6 a.m.—Mean velocity 7.67 miles per hour.

The reading of the Barometer at 8 a.m. of the 8th, 30.940 is the highest entry yet recorded; the highest previously recorded being 30.552 on the 8th of January, 1855.
 The mean temperature of the 7th is the third lowest recorded, being exceeded in both cases—14.38, January, 1866, may be classed as cold, dry, and windy.
 1st. Lunar halo. 4th. Lunar corona. 7th. Very cold day. 16th. Very stormy day.
 21st. Solar halo and parhelia. 23rd. Solar halo. 20th. Very rapid change of temperature, falling about 27° in about 6 hours.