

REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR FEBRUARY, 1866.

Note.—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..... 30.364 at 10 a.m. on 26th } Monthly range =  
 Lowest Barometer..... 29.126 at 4 p.m. on 14th } 1.238 inches.  
 Maximum Temperature..... .45° on } Monthly range =  
 Minimum Temperature..... .-8° on } 53°0  
 Mean maximum Temperature..... 33°61 } Mean daily range =  
 Mean minimum Temperature..... 18°12 } 15°49  
 Greatest daily range..... 38°1 from a.m. of 21st to a.m. of 22nd.  
 Least daily range..... 2°7 from a.m. to noon of 1st.  
 Warmest day..... 22nd..... 40°07 } Difference = 37°49  
 Coldest day..... 16th..... Mean temperature..... 2°58 }  
 Maximum { Solar..... 112°0 on 20th } Monthly range =  
 Radiation { Terrestrial..... -16°5 on 16th } 128°5  
 Aurora observed on 3 nights, viz:—12th, 16th, and 20th.  
 Possible to see Aurora on 11 nights; Impossible on 17 nights.  
 Snowing on 12 days; depth 16.9 inches; duration of fall 64.9 hours.  
 Raining on 3 days; depth 0.830 inches; duration of fall 20.0 hours.  
 Mean of cloudiness = 0.82.  
 Most cloudy hour observed, 2 p.m.; mean = 0.85; least cloudy hour observed,  
 10 p.m.; mean = 0.73.

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

North. East. West.  
 1451.68 621.45 4021.73  
 South. West.  
 2049.91 4021.73

Resultant direction S. 80° W.; Resultant velocity 5.14 miles per hour.  
 Mean velocity..... 9.40 miles per hour.  
 Maximum velocity..... 30.0 miles, from 6 to 7 p.m. of 16th.  
 Most windy day..... 16th..... Mean velocity, 19.55 miles per hour. } Difference =  
 Least windy day..... 10th..... Mean velocity, 2.43 ditto } 17.12 miles.  
 Most windy hour..... noon..... Mean velocity, 12.40 ditto }  
 Least windy hour..... 3 a.m..... Mean velocity, 5.86 ditto } 5.64 miles.

2nd. Midnight, Lunar Corona.  
 12th. Solar halo during forenoon.  
 24th. Dense fog, a.m.  
 27th. Lunar halo, 9 p.m.

February, 1866, was comparatively cold, dry, and windy.

COMPARATIVE TABLE FOR FEBRUARY.

YEAR.	TEMPERATURE.			RAIN.		SNOW.		WIND.	
	Mean.	Excess above average.	Max. above.	No. of days.	Inches.	No. of days.	Inches.	Direction.	Mean Force or Velocity.
1840	28.0	+ 5.0	49.1	8	1.	6	...	...	0.61 lbs.
1841	22.4	+ 0.4	43.4	1	1	9	...	...	1.03
1842	26.9	+ 3.9	48.7	8	3.62	9	...	...	1.05
1843	14.5	+ 3.5	37.5	1	0.47	21	14.4	...	0.43
1844	26.0	+ 3.0	47.1	4	0.45	7	10.0	...	0.99
1845	26.0	+ 3.0	46.6	5	0.00	13	46.1	...	0.65
1846	20.4	+ 2.4	41.4	0	0.00	13	46.1	...	0.65
1847	21.5	+ 1.5	42.2	2	0.55	13	27.3	...	0.69
1848	26.6	+ 3.1	46.9	0	0.77	8	10.8	N 65° W	2.53 5 6 mls.
1849	19.5	+ 3.7	41.1	2	0.24	13	19.2	N 41° W	1.48 6.58
1850	26.0	+ 3.0	49.2	1	1.23	9	23.1	N 80° W	3.43 7.61
1851	27.6	+ 4.6	50.2	7	2.60	4	2.4	N 61° W	1.49 6.94
1852	23.4	+ 0.4	41.2	3	0.65	11	15.0	N 75° W	3.31 6.42
1853	24.1	+ 1.1	43.4	4	1.03	15	12.6	N 49° E	2.51 7.30
1854	21.1	+ 1.4	42.7	5	1.43	15	18.0	N 7° E	1.73 6.91
1855	15.4	+ 7.6	37.3	2	1.71	14	21.8	N 40° W	4.31 8.17
1856	15.7	+ 7.1	35.3	0	0.00	8	9.7	N 81° W	7.70 10.71
1857	28.5	+ 5.5	51.2	11	3.05	11	11.7	N 78° W	3.68 9.82
1858	17.0	+ 6.0	40.9	1	1	1	1	N 72° W	3.22 9.12
1859	26.0	+ 3.0	43.3	6	0.45	14	8.3	N 51° W	2.72 8.50
1860	22.8	+ 0.2	44.1	7	1.33	13	18.8	N 61° W	3.28 8.73
1861	26.1	+ 3.1	44.6	4	0.81	17	29.7	N 77° W	3.86 10.52
1862	22.5	+ 0.5	35.6	3	0.18	17	23.1	N 55° W	3.93 8.58
1863	22.4	+ 0.4	38.9	2	1.45	12	22.0	N 23° W	2.29 10.13
1864	21.3	+ 1.3	43.9	2	0.39	4	9.5	N 84° W	6.48 10.11
1865	22.4	+ 0.1	41.0	5	0.81	11	16.8	N 23° W	3.25 8.23
1866	22.5	+ 0.5	45.0	3	0.83	12	16.9	N 80° W	5.14 9.0
Results to 1864.	22.99	...	43.59	1.2	1.000	11.9	18.07	N 70° W	3.15 8.34
Excess for 1866.	0.45	...	1.41	1.2	0.171	0.1	1.15	.....	+ 1.06