

## REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR APRIL.

Highest Barometer ..... 30.000 at 8 a. m., on 1st } Monthly range =  
 Lowest Barometer ..... 29.081 at 8 a. m., on 12th } 1.018 inches.  
 Highest registered temperature ..... 72°2 at p. m., on 28th } Monthly range =  
 Lowest registered temperature ..... 14°2 at a. m., on 1st } 58°0  
 Mean maximum Thermometer ..... 50°47 } Mean daily range = 17°08  
 Mean minimum Thermometer ..... 33°39 }

Greatest daily range ..... 29°4 from p. m. of 9th to a. m. of 10th.  
 Least daily range ..... 5°3 from p. m. of 2nd to a. m. of 3rd.

Warmest day ..... 28th ... Mean temperature ..... 59°83 } Difference = 32°28.  
 Coldest day ..... 1st ... Mean temperature ..... 27°55 }

Greatest intensity of Solar Radiation ... 85°4 at p. m. on 29th } Monthly range =  
 Lowest point of Terrestrial Radiation ... 0°3 at a. m. of 13th } 78°9

Aurora observed on 4 nights, viz.: 8th, 22nd, 28th, and 29th; possible to see aurora  
 on 13 nights; impossible to see aurora on 12 nights. Raining on 13 days,  
 snowing on 3 days, depth 0.1 inch—snowing 2.5 hours. Raining on 13 days,  
 depth 2.780 inches—raining 62.6 hours.

Mean of cloudiness = 0.60; most cloudy hour observed, 8 a. m., mean = 0.71;  
 least cloudy hour observed, midnight, mean, = 0.47.

*Sum of the Atmospheric Current, in miles, resolved into the four Cardinal directions.*

| North.  | West.   | South. | East.   |
|---------|---------|--------|---------|
| 188° 42 | 1012.32 | 851.39 | 1576.10 |

Mean direction of the wind ..... 6.03 miles per hour.  
 Mean velocity of the wind ..... 26.4 miles per hour, from 6 to 7 p. m., on 9th.

Maximum velocity ..... 15th. Mean velocity 15.44 miles per hour.  
 Most windy day ..... 7th. Mean velocity 1.19 ditto.

Least windy day ..... 11 a. m. to Noon. Mean velocity 7.99 ditto.  
 Most windy hour ..... 6 to 7 a. m. Mean velocity 4.35 ditto.

Least windy hour ..... 6 to 7 a. m. Mean velocity 4.35 ditto.  
 Mean diurnal variation = 3.64 miles.

2nd—First rain since 15th December, 1855.  
 7th—Butterflies first observed.

8th—Large and perfect Halo round Sun at 5h. 37m., p. m.

10th—Halo round moon (diameter, 46°) at 11h. 45m., p. m.  
 12th—First Thunder and Lightning of the Season.  
 13th—Halo round the Moon at 10 p. m., (very perfect).  
 15th—Thunderstorm, vivid lightning and heavy rain, from 10 p. m.  
 16th—Frogs first heard.  
 19th—Halo round Moon, at midnight.  
 19th—Ice disappeared from the Bay.  
 23rd—Lunar Rainbow at 2 a. m., perfectly defined.  
 30th—Patches of drifted snow still remaining in the Ravine near the Observatory.

## COMPARATIVE TABLE FOR APRIL.

| YEAR | TEMPERATURE. |                  |             |             |        | RAIN. |         | SNOW. |         | WIND.         |                         |
|------|--------------|------------------|-------------|-------------|--------|-------|---------|-------|---------|---------------|-------------------------|
|      | Mean         | Diff. from Aver. | Max. obs'd. | Min. obs'd. | Range. | Days. | Inch's. | Days. | Inch's. | Mean Direc'n. | Mean Force or Velocity. |
|      |              |                  |             |             |        |       |         |       |         |               |                         |
| 1840 | 42.4         | +1.0             | 65.9        | 25.3        | 40.6   | 14    | 3.420   | 2     | ...     | ...           | 0.51 lbs.               |
| 1841 | 39.2         | -2.2             | 62.9        | 22.1        | 40.8   | 3     | 1.370   | 3     | ...     | ...           | 0.57 "                  |
| 1842 | 43.1         | +1.7             | 89.5        | 21.6        | 67.9   | 8     | 3.740   | 2     | ...     | ...           | 0.46 "                  |
| 1843 | 40.9         | -0.5             | 70.0        | 15.1        | 54.9   | 7     | 3.185   | 3     | ...     | ...           | 0.24 "                  |
| 1844 | 47.5         | +6.1             | 74.5        | 17.2        | 57.3   | 10    | 1.515   | 1     | 1       | happ          | 1.00 "                  |
| 1845 | 42.1         | +0.7             | 66.0        | 14.8        | 51.2   | 11    | 3.290   | 4     | 1.5     | ...           | 0.55 "                  |
| 1846 | 44.0         | +2.6             | 79.4        | 24.4        | 55.0   | 10    | 1.300   | 2     | 1.3     | ...           | 0.59 "                  |
| 1847 | 39.2         | -2.2             | 65.6        | 8.1         | 57.2   | 8     | 2.870   | 2     | 4.0     | W 24 N        | 4.89 miles.             |
| 1848 | 41.3         | -0.1             | 65.4        | 26.5        | 38.9   | 5     | 1.455   | 1     | 0.5     | N 42° W       | 7.50 "                  |
| 1849 | 39.0         | -2.4             | 70.9        | 23.2        | 47.7   | 10    | 2.655   | 2     | 1.7     | N 36° W       | 7.64 "                  |
| 1850 | 37.9         | -3.5             | 63.2        | 18.2        | 45.0   | 7     | 4.720   | 3     | 1.1     | N 17° E       | 8.07 "                  |
| 1851 | 41.3         | -0.1             | 59.2        | 25.8        | 33.4   | 11    | 2.295   | 3     | 1.2     | N 23° E       | 6.68 "                  |
| 1852 | 38.2         | -3.2             | 53.8        | 19.8        | 34.0   | 6     | 1.990   | 4     | 9.4     | N 12° W       | 5.20 "                  |
| 1853 | 41.9         | +0.5             | 65.7        | 27.0        | 38.7   | 10    | 2.625   | 1     | 1.0     | E 37° N       | 6.82 "                  |
| 1854 | 41.0         | -0.4             | 65.1        | 22.3        | 42.8   | 12    | 2.685   | 4     | 2.7     | N 30° W       | 7.57 "                  |
| 1855 | 42.4         | +1.0             | 63.8        | 12.2        | 51.6   | 8     | 2.030   | 3     | 1.6     | N 29° E       | 6.05 "                  |
| 1856 | 42.3         | +0.9             | 69.8        | 15.1        | 54.7   | 13    | 2.780   | 3     | 0.1     | ...           | 6.71 miles.             |
| Mean | 41.99        | ...              | 67.69       | 19.94       | 47.75  | 9.0   | 2.584   | 2.5   | 1.9     | ...           |                         |