

## REMARKS ON TORONTO METEOROLOGICAL REGISTER FOR JULY, 1872.

## COMPARATIVE TABLE FOR JULY.

| YEAR.            | TEMPERATURE.        |           |           |        | RAINY.       |         | SNOW.        |         | WIND.      |                |
|------------------|---------------------|-----------|-----------|--------|--------------|---------|--------------|---------|------------|----------------|
|                  | Max. above average. | Max. min. | Min. min. | Range. | No. of days. | Inches. | No. of days. | Inches. | Direction. | Mean Velocity. |
| 1844             | 66.0                | 0.3       | 66.0      | 0.3    | 12           | 2.815   | 1            | 2.815   | 0          | 0.19 28s       |
| 1845             | 66.2                | 1.1       | 65.0      | 49.3   | 7            | 2.103   | ..           | ..      | ..         | 0.30           |
| 1846             | 68.0                | 0.7       | 67.0      | 41.5   | 9            | 2.805   | ..           | ..      | ..         | 0.29           |
| 1847             | 68.0                | 0.7       | 67.0      | 43.5   | 15           | 3.335   | ..           | ..      | ..         | 0.19           |
| 1848             | 65.5                | 1.8       | 62.2      | 41.1   | 10           | 1.890   | ..           | ..      | ..         | 0.19           |
| 1849             | 68.4                | 1.1       | 68.6      | 45.2   | 4            | 3.415   | ..           | ..      | N 14 W     | 0.18 4.91mils  |
| 1850             | 65.9                | 1.3       | 65.2      | 51.6   | 12           | 5.270   | ..           | ..      | S 5 W      | 0.75           |
| 1851             | 65.0                | 2.8       | 62.7      | 46.5   | 12           | 3.625   | ..           | ..      | S 5 W      | 0.53           |
| 1852             | 66.8                | 0.5       | 66.1      | 48.5   | 8            | 4.025   | ..           | ..      | N 60 W     | 0.55           |
| 1853             | 65.0                | 1.7       | 61.3      | 41.6   | 10           | 0.915   | ..           | ..      | N 43 W     | 0.33           |
| 1854             | 72.5                | 5.2       | 68.0      | 42.5   | 9            | 1.805   | ..           | ..      | S 68 E     | 0.24           |
| 1855             | 67.9                | 0.6       | 67.8      | 49.2   | 13           | 3.245   | ..           | ..      | S 49 W     | 0.37           |
| 1856             | 69.9                | 2.6       | 69.6      | 49.5   | 8            | 1.125   | ..           | ..      | S 19 W     | 0.73           |
| 1857             | 67.5                | 0.5       | 67.0      | 47.0   | 15           | 3.475   | ..           | ..      | S 70 W     | 1.67           |
| 1858             | 67.9                | 0.6       | 67.0      | 52.0   | 13           | 1.075   | ..           | ..      | S 68 E     | 0.81           |
| 1859             | 68.9                | 0.4       | 68.0      | 41.7   | 12           | 2.611   | ..           | ..      | N 15 E     | 1.13           |
| 1860             | 65.4                | 3.4       | 65.0      | 43.8   | 13           | 4.334   | ..           | ..      | N 50 W     | 1.58           |
| 1861             | 66.7                | 1.0       | 65.5      | 41.0   | 16           | 2.632   | ..           | ..      | N 60 W     | 2.15           |
| 1862             | 66.7                | 0.6       | 66.5      | 48.2   | 15           | 3.341   | ..           | ..      | N 74 W     | 1.43           |
| 1863             | 67.1                | 0.3       | 67.5      | 48.0   | 15           | 3.465   | ..           | ..      | S 52 W     | 1.42           |
| 1864             | 69.7                | 2.4       | 69.2      | 49.0   | 8            | 1.332   | ..           | ..      | N 18 W     | 0.40           |
| 1865             | 65.0                | 2.3       | 63.0      | 45.8   | 11           | 2.476   | ..           | ..      | N 81 W     | 2.23           |
| 1866             | 70.4                | 3.1       | 69.0      | 47.8   | 16           | 5.394   | ..           | ..      | S 86 W     | 0.98           |
| 1867             | 68.2                | 0.9       | 68.0      | 48.2   | 12           | 1.962   | ..           | ..      | S 70 W     | 0.24           |
| 1868             | 75.5                | 8.5       | 62.4      | 59.0   | 5            | 0.511   | ..           | ..      | N 43 W     | 1.40           |
| 1869             | 64.0                | 2.6       | 61.9      | 49.8   | 13           | 4.611   | ..           | ..      | S 87 E     | 0.72           |
| 1870             | 68.6                | 1.5       | 67.4      | 48.0   | 16           | 1.890   | ..           | ..      | S 67 W     | 2.01           |
| 1871             | 66.0                | 1.3       | 65.4      | 47.8   | 11           | 1.255   | ..           | ..      | N 68 W     | 1.55           |
| 1872             | 70.2                | 2.9       | 68.0      | 62.2   | 13           | 2.287   | ..           | ..      | N 67 W     | 1.19           |
| Results to 1871. | 67.29               | ...       | 69.22     | 47.08  | 10.66        | 3.218   | ...          | ...     | N 77 W     | 0.78           |
| Excess for 72.   | 2.87                | ...       | 0.78      | 5.12   | 1.66         | 2.31    | 0.931        | ...     | ...        | 1.43           |

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.....29.77; at 8 a.m. on 8th } Monthly range  
Lowest Barometer.....29.317 at 4 p.m. on 16th } 0.457.

Mean Maximum Temperature.....52.2 on 23rd } Monthly range  
Mean Minimum Temperature.....80.97 } 43.8.  
Mean daily range.....21.696 }  
Greatest daily range.....23.94 from a.m. to p.m. of 1st.  
Least daily range.....10.20 from noon to midnight of 13th.

Warmest Day.....1st ... Mean Temperature.....80.80 }  
Coldest Day.....23rd ... Mean Temperature.....62.340 } Difference = 21.696.

Maximum { Solar.....151.90 on 3rd } Monthly range  
Radiation { Terrestrial.....39.50 on 19th } 110.6.

Aurora observed on 8 nights, viz., 6th, 7th, 8th, 10th, 16th, 27th, 28th, and 29th.

Possible to see Aurora on 25 nights; impossible on 6 nights.

Rainfall on 18 days; depth 2.297 inches; duration of fall 15.4 hours.

Mean of Cloudiness = 0.60.

WIND.

Resultant Direction N. 67° W.; Resultant Velocity 1.19 miles.

Mean Velocity 3.56 miles per hour.

Maximum Velocity 35.0 miles, from 1.30 to 2.30 p.m. of 26th.

Most Windy day 26th; Mean Velocity 10.37 miles per hour.

Least Windy day 25th; Mean Velocity 0.60 miles per hour.

Most Windy hour 1 p.m.; Mean Velocity 7.76 miles per hour.

Least Windy hour 4 a.m.; Mean Velocity 0.97 miles per hour.

Thunder or lightning occurred on 1st, 2nd, 3rd, 9th, 10th, 11th, 12th, 16th, 21st, 24th, 28th, and 29th.

Dew recorded on only three occasions as