# ABSTRACT FOR THE MONTH OF APRIL, 1897.

Meteorological Observations, McGill College Observatory, Montreal, Canada. Height above sea level, 187 feet. C. H. McLEOD, *Superintendent.*

| DAY. | THERMOMETER. Mean. | Max. | Min. | Range. | BAROMETER. Mean. | Max. | Min. | Range. | †Mean pressure of vapor. | Mean relative humidity. | Dew point. | WIND. General direction. | Mean velocity in miles perhour | SKY CLOUDED IN TENTHS. Mean. | Max. | Min. | Per cent. possible. Sunshine. | Rainfall in inches. | Snowfall in inches. | Rain and snow melted. | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 37.73 | 44.9 | 30.0 | 14.9 | 30.4105 | 30.543 | 30.217 | .326 | .1273 | 55.2 | 23.7 | S.W. | 20.67 | 3.5 | 8 | 0 | 91 | .... | .... | .... | 1 |
| 2 | 38.05 | 45.5 | 28.6 | 16.9 | 30.1938 | 30.350 | 30.141 | .209 | .1118 | 49.8 | 20.8 | N.E. | 19.42 | 0.5 | 3 | 0 | 97 | .... | .... | .... | 2 |
| 3 | 28.18 | 35.5 | 20.8 | 14.7 | 30.4990 | 30.551 | 30.443 | .108 | .1195 | 75.3 | 21.5 | N.E. | 7.88 | 0.3 | 2 | 0 | 96 | .... | .... | ... | 3 |
| SUNDAY.....4 | ..... | 50.1 | 26.4 | 23.7 | ..... | ..... | ..... | .... | ..... | .... | .... | S.E. | 8.54 | .. | ..... | .. | 85 | .... | .... | .... | 4... ..... SUNDAY |
| 5 | 42.10 | 53.6 | 37.0 | 16.6 | 29.6662 | 29.795 | 29.593 | .202 | .2535 | 93.7 | 40.2 | S. | 11.88 | 9.2 | 10 | 7 | 9 | 0.26 | .... | 0.26 | 5 |
| 6 | 40.73 | 50.8 | 35.1 | 15.7 | 29.6892 | 29.868 | 29.599 | .269 | .2292 | 88.8 | 37.8 | S.W. | 12.78 | 10.0 | 10 | 10 | 6 | 0.04 | .... | 0.04 | 6 |
| 7 | 33.83 | 40.2 | 28.8 | 11.4 | 30.0412 | 30.082 | 29.956 | .126 | .1305 | 66.2 | 24.0 | N. | 11.41 | 3.2 | 10 | 0 | 91 | .... | .... | .... | 7 |
| 8 | 36.90 | 46.1 | 28.1 | 18.0 | 30.0413 | 30.091 | 29.995 | .096 | .1660 | 74.2 | 29.7 | S.W. | 8.67 | 5.5 | 10 | 0 | 34 | .... | .... | .... | 8 |
| 9 | 36.68 | 40.6 | 33.5 | 7.1 | 29.8573 | 29.968 | 29.725 | .243 | .1838 | 84.8 | 32.5 | N.E. | 15.42 | 10.0 | 10 | 10 | 00 | 0.07 | .... | 0.07 | 9 |
| 10 | 31.38 | 33.0 | 28.5 | 4.5 | 29.8775 | 30.048 | 29.731 | .317 | .1623 | 91.8 | 29.5 | N.E. | 17.79 | 10 0 | 10 | 10 | 00 | 0.05 | 1.9 | 0.30 | 10 |
| SUNDAY.....11 | ..... | 41.5 | 31.5 | 10 0 | ..... | ..... | .... | .... | ... . | .... | .... | W. | 8.67 | ... | .. | ... | 21 | .... | 0.0 | 0 00 | 11... .....SUNDAY |
| 12 | 39.35 | 46.5 | 34.0 | 12.5 | 30.4223 | 30 499 | 30.270 | .229 | .1525 | 63.2 | 28 0 | S.E. | 8.46 | 0.5 | 3 | 0 | 98 | 0.04 | .... | 0.04 | 12 |
| 13 | 43 37 | 51.5 | 32.4 | 19.1 | 30.2833 | 30.483 | 29.949 | .534 | .1748 | 62.2 | 31.2 | S. | 18.38 | 8.0 | 10 | 0 | 7 | 0.04 | .... | 0.04 | 13 |
| 14 | 44.83 | 50.5 | 40.9 | 9.6 | 29.8960 | 29.975 | 29.844 | .131 | .2507 | 84.0 | 40.2 | S.W. | 24.46 | 10.0 | 10 | 10 | 00 | 0.15 | .... | 0.15 | 14 |
| 15 | 40.70 | 45.5 | 37.4 | 8.1 | 29 8703 | 29.976 | 29.749 | .227 | .2307 | 90.8 | 38.0 | S.W. | 11.96 | 10.0 | 10 | 10 | 00 | 0.51 | .... | 0.51 | 15 |
| 16 | 47.00 | 56.6 | 39.0 | 17.6 | 29.8038 | 29.846 | 29.782 | .064 | .2193 | 70.2 | 36.8 | S.W. | 18.04 | 4.8 | 10 | 0 | 87 | 0.11 | .... | 0.11 | 16 |
| 17 | 40.82 | 44.0 | 36.4 | 7.6 | 29.7313 | 29.820 | 29.630 | .190 | .2237 | 87.2 | 37.3 | S.W. | 13.33 | 10.0 | 10 | 10 | 00 | 0 73 | .... | 0.73 | 17 |
| SUNDAY.....18 | ..... | 53.4 | 33.1 | 20 3 | ..... | ..... | ..... | .... | ..... | .... | .... | S.W. | 23.50 | .... | .. | ... | 95 | 0.01 | .... | 0 01 | 18... .....SUNDAY |
| 19 | 33.97 | 51.3 | 13.5 | 37.8 | 29.8915 | 30.372 | 29 574 | .798 | .1682 | 78.0 | 28.0 | S.W. | 31.88 | 5.8 | 10 | 0 | 8 | 0.15 | .... | 0.15 | 19 |
| 20 | 23.32 | 32.6 | 10.9 | 21.7 | 30.4743 | 30.558 | 30.428 | .130 | .0957 | 73.8 | 16.2 | S.W. | 21.13 | 2.2 | 5 | 0 | 94 | .... | .... | .... | 20 |
| 21 | 39.47 | 50.0 | 27.6 | 22.4 | 30.4293 | 30.478 | 30.397 | .081 | .1513 | 64.3 | 29.2 | S.W. | 24.58 | 0.0 | 0 | 0 | 94 | .... | .... | .... | 21 |
| 22 | 47.57 | 59.5 | 32.0 | 27.5 | 30.2540 | 30.384 | 30.098 | .286 | .2042 | 61.5 | 34.7 | S. | 19.50 | 6 7 | 10 | 0 | 12 | 0.00 | .... | 0.00 | 22 |
| 23 | 62.07 | 74.3 | 49.5 | 24.8 | 30.0625 | 30.134 | 29.992 | .142 | 3690 | 66.5 | 50.2 | S.W. | 19.83 | 4.8 | 10 | 0 | 68 | 0.11 | .... | 0.11 | 23 |
| 24 | 61.40 | 69.0 | 56.2 | 12.8 | 29.9947 | 30.041 | 29.938 | .103 | .4470 | 82.8 | 55.8 | S.W. | 13.75 | 6.5 | 10 | 0 | 52 | 0.11 | .... | 0.11 | 24 |
| SUNDAY.....25 | ..... | 72.8 | 49.9 | 22.9 | . . | ..... | ..... | .... | ... | .... | ... | S.W. | 21.79 | .. | .... | ... | 8 | 0.41 | .... | 0.41 | 25..... SUNDAY |
| 26 | 46.62 | 55 9 | 38.6 | 17.3 | 29.5787 | 29.736 | 29.444 | .292 | .2460 | 73 3 | 39 8 | S.W. | 13.67 | 6.3 | 10 | 0 | 47 | 0.07 | .... | 0.07 | 26 |
| 27 | 39.35 | 44.0 | 32.0 | 12.0 | 29.7462 | 29.853 | 29.564 | .289 | .1797 | 74.2 | 31.8 | N.W. | 26.71 | 10.0 | 10 | 10 | 00 | 0.20 | .... | 0.20 | 27 |
| 28 | 47.57 | 55.4 | 41.4 | 14.0 | 29.9588 | 30.015 | 29.912 | .103 | .2380 | 72 3 | 38.8 | N. | 12.58 | 5.0 | 10 | 0 | 38 | 0.00 | .... | 0.00 | 28 |
| 29 | 50.78 | 62.8 | 39.0 | 23.8 | 30.0062 | 30.120 | 29 941 | .179 | .2835 | 77.0 | 43.3 | N.E. | 9.08 | 2.8 | 10 | 0 | 49 | .... | .... | .... | 29 |
| 30 | 50.57 | 61.2 | 40:0 | 21.2 | 30.0768 | 30.122 | 30.036 | .086 | .2635 | 70.5 | 41.2 | N. | 18.75 | 3.3 | 8 | 0 | 76 | .... | .... | ... | 30 |
| 31 | ..... | .... | .... | .... | ..... | ..... | ..... | .... | ..... | .... | .... | ..... | .... | .... | ... | .... | .... | .... | .... | .... | 31 |
| Means ..... ..... | 41.71 | 50.62 | 33.74 | 16.88 | 30.0268 | 30.1426 | 29.9211 | .2215 | .2070 | 74.49 | 33.85 | S. 56¼° W. | 16.48 | 5.72 | 8.4 | 3.0 | 45.37 | 3.02 | 1.9 | 3.27 | ... .....Sums. |
| 23 Years means for and including this month..... | 40.14 | 48.67 | 32.41 | 16.25 | 29.9606 | ..... | ..... | .204 | .1729 | 67.0 | ... | ..... | 116.70 | 6.1 | .... | .. | ¶51.1 | 1.67 | 5.8 | 2.26 | 23 Years means for and including this month. |

## ANALYSIS OF WIND RECORD.

| Direction..... | N. | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | CALM. |
|---|---|---|---|---|---|---|---|---|---|
| Miles ..... | 1324 | 1319 | 51 | 405 | 1545 | 5559 | 376 | 1288 | |
| Duration in hrs.. | 92 | 88 | 9 | 47 | 81 | 289 | 35 | 71 | 8 |
| Mean velocity.... | 14.39 | 14.99 | 5.67 | 8.62 | 19.07 | 19.24 | 10.74 | 18.14 | |

Greatest mileage in one hour was 53 on the 19th.
Greatest velocity in gusts, 60 miles per hour on the 19th.

Resultant mileage, 4725.
Resultant direction, S. 56¼° W.
Total mileage, 11867.

*Barometer readings reduced to sea-level and temperature 32° Fahrenheit.

§ Observed.

† Pressure of vapour in inches of mercury.

‡ Humidity relative, saturation being 100.

¶ 16 years only.

ε 11 years only.

The greatest heat was 74°3 on the 23rd; the greatest cold was 10.°9 on the 20th, giving a range of temperature of 63.4° degrees.

Warmest day was the 23rd. Coldest day was the 20th. Highest barometer reading was 30.558 on the 20th. Lowest barometer was 29.411 on the 26th, giving a range of 1.114 inches. Maximum relative humidity was 98.0 on the 5th.

Minimum relative humidity was 36 on the 2nd.

Rain fell on 18 days.

Snow fell on 2 days.

Rain or snow fell on 19 days.

Auroras were observed on 1 night, on the 1st.

Fog on 3 days—on 6th, 9th and 25th.

Thunder storms on 23rd and 25th.