

METEOROLOGY FOR JANUARY, 1864.

PRIVATE OBSERVATORY, HOBART TOWN.

| Years. | Barometer reduced to standard temperature, 32 degrees. | Mean Temperature of the Air. | Maxima Thermometer Readings. | Minima Thermometer Readings. | Mean daily range of temperature. | Degree of humidity, 100 complete saturation. | Extent of cloudy sky 10 for sky covered. | Mean amount of ozone 10 for maxima. | Total amount of Rain. |
|--------|--------------------------------------------------------|------------------------------|------------------------------|------------------------------|----------------------------------|----------------------------------------------|------------------------------------------|-------------------------------------|-----------------------|
| | In. | ° | ° | ° | ° | | | | In. |
| 1841 | 29.725 | 65.41 | 95.5 | 50.0 | 25.5 | .56 | 4 | — | 0.03 |
| 1842 | 29.713 | 62.34 | 82.7 | 43.0 | 23.1 | .62 | 5½ | — | 1.83 |
| 1843 | 29.636 | 62.00 | 87.7 | 45.6 | 29.9 | .67 | 5¾ | — | 0.55 |
| 1844 | 29.878 | 60.47 | 89.2 | 47.2 | 20.7 | .69 | 5 | — | 2.01 |
| 1845 | 29.757 | 63.12 | 91.0 | 46.2 | 21.8 | .67 | 3¾ | — | 0.58 |
| 1846 | 29.630 | 61.75 | 95.0 | 45.0 | 21.8 | .68 | 5¾ | — | 1.38 |
| 1847 | 29.690 | 61.80 | 91.4 | 46.1 | 21.8 | .67 | 8¼ | — | 0.73 |
| 1848 | 29.731 | 60.21 | 82.7 | 43.0 | 20.5 | .67 | 5 | — | 1.04 |
| 1849 | 29.726 | 59.74 | 105.0 | 43.0 | 21.8 | .68 | 4½ | — | 0.72 |
| 1850 | 29.604 | 59.10 | 86.9 | 47.7 | 19.4 | .71 | 6¾ | — | 1.20 |
| 1851 | 29.631 | 62.00 | 91.1 | 46.0 | 19.3 | .66 | 5½ | — | 2.33 |
| 1852 | 29.588 | 59.50 | 87.2 | 46.8 | 18.9 | .77 | 5¼ | — | 1.46 |
| 1853 | 29.775 | 57.67 | 81.0 | 43.6 | 16.7 | .72 | 6¾ | — | 1.43 |
| 1854 | 29.646 | 62.25 | 93.3 | 45.0 | 23.4 | .70 | 5½ | — | 0.54 |
| 1855 | 29.756 | 65.00 | 88.0 | 42.0 | 14.14 | .79 | 6.55 | — | 0.48 |
| 1856 | 29.809 | 71.10 | 91.0 | 42.0 | 25.13 | .67 | 6.50 | — | 0.99 |
| 1857 | 29.714 | 62.16 | 85.0 | 42.0 | 20.00 | .70 | 6.90 | — | 2.58 |
| 1858 | 29.509 | 66.40 | 97.0 | 44.0 | 24.00 | .63 | 4.45 | 6.92 | 0.40 |
| 1859 | 29.882 | 65.67 | 99.0 | 46.0 | 18.90 | .67 | 6.37 | 5.90 | 4.61 |
| 1860 | 29.744 | 65.10 | 91.0 | 48.0 | 20.29 | .67 | 5.22 | 6.82 | 2.22 |
| 1861 | 29.861 | 65.85 | 88.0 | 48.0 | 18.66 | .69 | 7.00 | 6.79 | 2.12 |
| 1862 | 29.780 | 65.72 | 98.0 | 43.0 | 25.03 | .61 | 5.58 | 6.21 | 0.93 |
| 1863 | 29.831 | 65.74 | 93.0 | 47.0 | 21.42 | .65 | 4.44 | 7.33 | 2.39 |
| 1864 | 29.714 | 61.49 | 81.0 | 48.0 | 17.13 | .65 | 5.77 | 6.93 | 0.71 |

The means in all cases are taken from the sums of each column, and not from the maximum and minimum.

Time of leafing, flowering, and fruiting, of a few standard plants, in the Royal Society's Gardens, for the month :—

10th—*Veronica Angustifolia*, in full flower.

12th—First ripe *Apricot* (Turkey) gathered.

15th—*Grevillea Robusta*, in full flower.

22nd—First ripe *Jargonelle Pear*, gathered.

30th—*Catalpa Syringifolia*, in flower.

31st—*Mulberries* commencing to ripen.

ANALYSIS OF THE OBSERVATORY RECORDS FOR JANUARY, 1864, IN CONJUNCTION WITH THOSE OF BIRTHS, DEATHS, &c. BY E. SWARBRECK HALL.

In no month of the twelve, during the preceding seven years, has the mortality been so little as in the present month; and the community so free from those diseases which usually prevail at this season of the year.

Atmospheric-pressure had a mean 29.714, all but identical with the 20 years' mean for January. The extreme month's range of the barometer was only .898 of an inch, but it happened within four days. The minimum was 29.259 on the 26th, and the maximum 30.157 on the 29th. From the 23rd to the 29th, within one of half of the whole deaths of the month took place. The greatest movement of the barometer on any day was a fall of .468 of an inch, on the 15th. There were rises and falls, exceeding one-fifth of an inch, on eleven other days.

The month's total *Wind-force*, 146.26 lbs., was more than double the average for January, being +74.50 lbs. above it. South-west, West, North-



Abbott, Francis. 1864. "Meteorology for January, 1864." *Papers and proceedings of the Royal Society of Tasmania* 5-5.

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