# METEOROLOGY FOR JANUARY 1877.

## PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 25′ 13″ S.; Longitude 9h. 49m. 20·2s. E.

(Registered for the Royal Society of Tasmania.)

| Day of Month. | Bar. corrected for instrumental error and to mean sea level. | | Thermometers (Reading.) | | | Thermometer (Self-Registering.) | | | Relative Humidity. Per cent | | Clouds. | | | | Wind. | | | | Rain in Inches. | Sun. Evap. | Ozone. Chrom. Scale. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 7·30 a.m. | | 4·30 p.m. | | 7·30 a.m. | | 4·30 p.m. | | | | |
| | 7·30 a.m. | 4·30 p.m. | Centigrade, 7·30 a.m. | Fahrenheit, 7·30 a.m. | Fahrenheit, 4·30 p.m. | Highest in Sun, 4·30 p.m. | Highest in Shade, 4·30 p.m. | Lowest on Grass, 7·30 a.m. | 7·30 a.m. | 4·30 p.m. | Character. | Amount. | Character. | Amount. | Direction from. | Force in lbs. per square foot. | Direction from. | Force in lbs. per square foot. | 7·30 a.m. | 7·30 a.m. | 7·30 a.m. |
| 1 | 29·710 | 29·710 | 17·5 | 53·5 | 58·0 | 102·0 | 78·0 | 49·5 | 67 | 100 | KN | 10·0 | N | 10·0 | N | ·26 | S | 2·60 | ·40 | | 4·0 |
| 2 | 29·910 | 29·821 | 10·5 | 51·0 | 53·5 | 79·5 | 72·0 | 37·0 | 74 | 70 | KN | 8·5 | N | 9·0 | W | ·52 | E | ·26 | ·05 | | 6·0 |
| 3 | 29·932 | 29·907 | 12·0 | 54·0 | 61·0 | 85·5 | 68·5 | 40·0 | 85 | 82 | KN | 10·0 | K | 10·0 | W | .0 | E | ·26 | ·02 | | 6·5 |
| 4 | 29·838 | 29·705 | 14·0 | 58·0 | 66·0 | 98·5 | 75·0 | 42·5 | 84 | 73 | K | 6·0 | K | 4·0 | W | ·26 | W | 2·60 | | | 4·0 |
| 5 | 29·527 | 29·438 | 11·0 | 56·0 | 76·0 | 103·0 | 77·5 | 40·0 | 81 | 52 | K | 10·0 | KS | 6·0 | W | ·0 | W | 2·60 | ·03 | | 6·0 |
| 6 | 29·265 | 29·271 | 17·5 | 64·0 | 64·0 | 97·0 | 76·0 | 44·5 | 59 | 67 | KS | 9·0 | KS | 7·0 | W | 5·21 | W | ·26 | ·17 | | 3·5 |
| 7 | 29·749 | 29·844 | 12·5 | 55·0 | 73·0 | 110·5 | 73·0 | 40·0 | 70 | 53 | K | 9·0 | K | 2·0 | NW | ·26 | W | 2·60 | | | 4·0 |
| 8 | 29·729 | 29·694 | 13·5 | 57·0 | 67·5 | 99·5 | 73·0 | 42·0 | 61 | 49 | KS | 9·0 | K | 6·0 | N | 5.21 | S | ·52 | ·01 | | 4·5 |
| 9 | 29·832 | 29·807 | 11·5 | 53·0 | 64·0 | 84·5 | 68·5 | 38·5 | 69 | 55 | K | 5·0 | K | 9·0 | N | ·52 | W | ·52 | | | 5·0 |
| 10 | 29·840 | 29·548 | 10·5 | 51·0 | 65·0 | 99·0 | 72·0 | 37·0 | 74 | 72 | K | 9·0 | N | 10·0 | NW | ·0 | W | 2·60 | ·12 | 1·80 | 4·0 |
| 11 | 29·412 | 29·454 | 13·5 | 57·5 | 65·0 | 96·0 | 72·0 | 49·5 | 61 | 51 | K | 3·5 | K | 4·0 | W | 5·21 | SW | 2·60 | ·02 | | 6·0 |
| 12 | 29·782 | 29·905 | 11·5 | 53·0 | 62·5 | 87·5 | 69·0 | 47·0 | 69 | 55 | K | 6·0 | K | 7·5 | W | ·0 | S | ·0 | ·01 | | 4·5 |
| 13 | 29·964 | 29·847 | 9·0 | 48·5 | 70·5 | 95·0 | 73·5 | 39·5 | 79 | 61 | 0 | ·0 | K | 4·0 | N | ·0 | SE | ·52 | | | 3·0 |
| 14 | 29·913 | 29·972 | 16·0 | 61·0 | 67·0 | 100·5 | 77·0 | 42·0 | 58 | 64 | K | 3·0 | 0 | ·0 | S | ·52 | SE | ·52 | | | 2·5 |
| 15 | 30·044 | 29·841 | 11·5 | 53·0 | 73·0 | 109·0 | 76·0 | 39·5 | 57 | 61 | 0 | ·0 | KS | 3·0 | N | ·0 | SE | 2·60 | | | 3·0 |
| 16 | 29·564 | 29·485 | 16·5 | 62·0 | 68·5 | 85·0 | 83·0 | 42·0 | 72 | 73 | K | 9·0 | K | 10·0 | W | 2·60 | SE | ·52 | | | 4·0 |
| 17 | 29·724 | 29·704 | 15·0 | 59·0 | 63·0 | 88·5 | 74·0 | 40·0 | 58 | 63 | K | 4·0 | KN | 7·0 | SW | ·26 | SE | ·52 | | | 3·5 |
| 18 | 29·771 | 29·665 | 13·0 | 56·0 | 72·5 | 119·0 | 83·5 | 38·5 | 75 | 61 | 0 | ·0 | K | 7·5 | NW | ·26 | W | ·26 | | | 2·5 |
| 19 | 29·874 | 29·752 | 12·5 | 55·0 | 65·0 | 96·5 | 74·0 | 40·0 | 65 | 55 | K | 4·0 | K | 5·0 | W | ·26 | W | 2·60 | | 1·98 | 4·0 |
| 20 | 29·779 | 29·618 | 12·0 | 54·0 | 65·0 | 82·0 | 69·0 | 40·0 | 65 | 63 | K | 5·5 | KN | 7·5 | W | 2·60 | W | ·26 | | | 3·0 |
| 21 | 29·703 | 29·702 | 12·0 | 54·0 | 69·0 | 90·0 | 69·0 | 40·0 | 65 | 52 | K | 7·5 | K | 7·0 | N | ·52 | SW | ·26 | | | 3·0 |
| 22 | 29·625 | 29·750 | 14·0 | 57·5 | 60·0 | 85·5 | 70·0 | 42·5 | 66 | 71 | K | 10·0 | KN | 8·0 | W | ·0 | NW | 2·60 | ·13 | | 3·5 |
| 23 | 29·876 | 29·864 | 14·0 | 57·5 | 70·0 | 86·0 | 71·5 | 42·0 | 71 | 56 | K | 5·0 | KS | 7·0 | W | 2·60 | SW | ·52 | | | 5·0 |
| 24 | 29·876 | 29·786 | 14·0 | 58·0 | 69·0 | 90·0 | 73·0 | 41·5 | 61 | 56 | K | 10·0 | KS | 10·0 | N | 2·60 | W | 2·60 | | | 3·0 |
| 25 | 29·734 | 29·699 | 13·0 | 56·0 | 66·5 | 107·0 | 72·0 | 39·5 | 57 | 52 | K | 6·0 | K | 7·5 | N | ·52 | W | 2·60 | | | 3·5 |
| 26 | 29·585 | 29·672 | 12·0 | 54·0 | 58·0 | 88·5 | 69·0 | 38·0 | 59 | 57 | K | 3·0 | K | 4·0 | SW | 5·21 | SW | 2·60 | | | 4·0 |
| 27 | 29·945 | 30·058 | 10·0 | 50·0 | 59·0 | 90·0 | 63·0 | 34·0 | 68 | 61 | K | 7·0 | KN | 8·0 | W | ·52 | SE | ·52 | ·06 | | 6.5 |
| 28 | 30·095 | 30·033 | 10·5 | 51·0 | 67·0 | 97·5 | 73·0 | 40·0 | 69 | 60 | K | 3·0 | KS | 1·0 | N | ·52 | SE | 2·60 | ·03 | | 4·0 |
| 29 | 29·834 | 29·644 | 11·5 | 52·5 | 67·5 | 98·5 | 83·0 | 41·5 | 75 | 52 | 0 | ·0 | K | 3·5 | W | ·26 | N | ·26 | | | 3·5 |
| 30 | 29·672 | 29·736 | 16·0 | 61·0 | 72·0 | 97·5 | 80·5 | 46·0 | 58 | 50 | K | 3·5 | K | 7·0 | N | 2·60 | S | ·52 | | | 5·5 |
| 31 | 29·713 | 29·533 | 16·5 | 62·0 | 77·0 | 107·0 | 80·0 | 46·5 | 62 | 40 | K | 7·0 | K | 5·5 | N | ·52 | NW | 2·60 | | 2·22 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean Press. 29·747 | Mean 13·37 | M'n. Tem. 61·03 | Mean. 91·83 | Mean 73·82 | Mean 41·00 | Mean. ·64 | Mean for Month. 6·0 | Mean Force ... 1·33 lbs. | | Tl. 1·05 | Tl. 6·00 | Tl. 12900 |
| | | | | | | | | Greatest Force 5·21 " | | | | |
| Greatest do. 30·095 | Max. 17·50 | ... | Max. 119·00 | Max. 83·50 | Max. 49·50 | ... | Prevailing Character, K. | Least Force.... 0 " | | .. | .. | Mean 4·16 |
| Least do. 29·265 | Min. 9·00 | ... | Min. 79·50 | Min. 63·00 | Min. 34·00 | .. | ... | Prevailing Direction. W. and S.W. | | .. | .. | .. |

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adopted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily registers, not from the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in lbs. per square foot.

The relative quantity of rain that fell under the different winds is registered each morning at 7·30 a.m.

The 35 years' standard tables are used for obtaining the difference from average.

FRANCIS ABBOTT, F.R.A.S., etc.

Time of leafing, flowering and fruiting of a few standard plants in the Royal Society's Gardens during the month of January, 1877.

12th. Veronica angustifolia in flower.
12th. First ripe Apricot gathered (Royal).
13th. Grevillea robusta in full flower.
15th. Jargonel Pear ripe.
20th. Black Mulberry commencing to ripen.

F. ABBOTT, JUN., Superintendent.