

# METEOROLOGICAL AND BOTANICAL ABSTRACT, FOR THE WINTER QUARTER, 1869.

OBSERVATORY, HOBART TOWN.

| Months.  | Mean in Shade.                          |                          | Max. and Min. in Shade |                 | Max. Solar Intensity Black Bulb Insulated. | Min. Terrestrial Radiation on Grass. | Wind.                |        | Rain.        |                         | Total Evaporation exposed to open Sky. |
|----------|---|--------------------------|------------------------|-----------------|--|--------------------------------------|----------------------|--------|--------------|-------------------------|--|
|          | Pressure. — Barometer corrected to 32°. | Mean Temperature of Air. | Maximum of Air.        | Minimum of Air. |  |                                      | Prevailing Currents. | Force. | No. of Days. | Total Amount collected. |  |
|          | Inches.                                 | °                        | °                      | °               | °  | °                                    |                      | lbs.   | In.          | In.                     |  |
| June ..  | 29·956                                  | 48·82                    | 65·0                   | 30·0            | 91·0                                       | 30·5                                 | N.W.                 | 27·57  | 9            | 1·55                    | 1·32                                   |
| July ..  | 30·032                                  | 49·15                    | 62·0                   | 33·0            | 88·0                                       | 30·0                                 | N.W.                 | 22·62  | 9            | 1·20                    | 1·40                                   |
| August.. | 29·862                                  | 51·09                    | 72·0                   | 34·0            | 102·0                                      | 29·0                                 | N.W.                 | 65·31  | 13           | 2·35                    | 1·71                                   |
| Mean..   | 29·983                                  | 49·68                    | 66·3                   | 32·3            | 93·6                                       | 29·8                                 | N.W.                 | 38·5   | 31           | 5·10                    | 4·43                                   |

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

The direction of the wind is registered from currents moving at a height of 192 feet, and the force according to Lind's Wind Gauge. The supposition, however, of an uniform velocity during the month is a very arbitrary one, and the results can be considered only approximately correct.

The relations of the quantities of rain which fell under the different winds are registered each evening at sundown.

The twenty-five years' standard tables are used for obtaining the difference from the average.

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## *Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens, for the Winter Quarter 1869.*

- June 10th.—Early Narcissus commencing to flower.  
 „ 12th.—Maclaura aurantiaca leaves commencing to fall.  
 „ 14th.—Privet leaves shedding.  
 „ 15th.—Snow Flake commencing to flower.  
 „ 30th.—Leaves of Black Mulberry all shed.  
 July 1st.—Arbutus unedo in flower.  
 „ 10th.—Garrya elliptica ditto.  
 „ 12th.—White Mulberry commencing to leaf.  
 „ 15th.—Almond in full flower.  
 „ 20th.—Yellow Crocus in flower.  
 „ 24th.—White Hyacinth ditto.  
 Aug. 6th.—Sambucus niger commencing to break.  
 „ 10th.—Common Horsechestnut ditto.  
 „ 15th.—Elm commencing to flower.  
 „ 20th.—Poplar commencing to break.  
 „ 22nd.—Apricot commencing to flower.

NOTE.—The Privet was 4 days, Almond 2 days, Crocus 10 days, Hyacinth 7 days, Elder 6 days, Horsechestnut 5 days, Elm 11 days, Poplar 8 days, and Apricot 8 days *earlier* this year than last. The Maclaura aurantiaca was 2 days, Arbutus 10 days, Garrya elliptica 4 days, and White Mulberry 4 days *later*.