

METEOROLOGICAL AND BOTANICAL ABSTRACT,  
FOR THE WINTER QUARTER, 1868.

OBSERVATORY, HOBART TOWN.

Months.	Mean in Shade.		Max. and Min. in Shade		Mean Solar Intensity Black Bulb Insolated.	Mean Terrestrial Radiation on Grass.	Wind.		Rain.		
	Pressure. — Barometer corrected to 32°	Mean Temperature of Air.	Maximum of Air.	Minimum of Air.			Prevailing Currents.	Force.	No. of Days.	Total Amount collected.	Total Evaporation exposed to open Sky.
	Inches.	°	°	°	°	°		lbs.	In.	In.	
June ..	29'943	47'12	31	31	74'70	35'77	N., W.	08'06	12	1'01	0'89
July ..	29'985	47'30	30	36	78'21	33'63	N.W., S.W.	41'61	16	3'76	1'59
Aug. ...	29'906	50'06	32	34	87'27	35'32	N.W.	17'68	8	0'33	1'45
Mean..	29'944	48'16	31	36'6	80'06	34'57	N.W.	33'11	36	5'10	3'93

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 Guage. 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.

*Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens, for the Winter quarter, of 1868.*

- June 10.—*Maclaura aurantiaca* leaves shedding.  
 „ 18.—Privet leaves shedding.  
 „ 30.—Black Mulberry leaves all shed.  
 „ 30.—*Pyrus japonica* commencing to flower.  
 July 10.—*Arbutus unedo* commencing to flower.  
 „ 14.—*Garrya elliptica* commencing to flower.  
 „ 16.—White Mulberry buds commencing to break.  
 „ 17.—Almond commencing to flower.  
 „ 30.—Crocus commencing to flower.  
 „ 31.—White Hyacinth commencing to flower.  
 Aug. 12.—*Sambucus niger* buds commencing to break.  
 „ 15.—Horsechestnut buds commencing to break.  
 „ 20.—Gooseberry buds commencing to break.  
 „ 26.—Elm (*Ulmus campestris*) commencing to flower.  
 „ 28.—Poplar (*Populus dilatata*) commencing to flower.  
 „ 30.—Apricot in full flower.

NOTE.—The early Narcissus and Snow-flake were at least a month later this year than last. The Privet was 5, *Arbutus unedo* 7, *Garrya elliptica* 8, W. Mulberry 6, *Sambucus niger* 10, Gooseberry 10, Elm 12, and Poplar 7 days later.

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