

METEOROLOGICAL AND BOTANICAL ABSTRACT, FOR THE SPRING 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.
	Inches.	°	°	°	°	°		lbs.	In.	In.
Sept. ..	29'864	55'17	66	35	97'57	42'08	N.W., S.E.	40'36	12	2'71
Oct. ..	29'799	56'81	89	39	101'35	43'23	N.W., W.	97'80	10	1'83
Nov. ...	29'889	61'73	84	43	110'67	47'47	N.W., S.E.	75'16	5	0'16
Mean..	29'850	57'90	79'6	39.0	103'19	44'26	N.W. S.E.	71'17	20	4'70
									27	13'19

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 Spring Quarter of 1868.

- Sept. 8.—Ash commencing to flower.
 „ 16.—Oak commencing to break into leaf.
 „ 18.—Vines ditto ditto.
 „ 19.—First Moutan Peony flower open.
 „ 25.—Horse Chesnut commencing to flower.
 „ 30.—Robinia Pseudo Acacia ditto ditto
 Oct. 5.—Carpinus betulus commencing to leaf.
 „ 12.—Ailanthus glandulosa ditto ditto.
 „ 16.—Common lime ditto ditto.
 „ 18.—Morus niger ditto ditto.
 „ 22.—Ulmus campestris seeds beginning to fall.
 „ 26.—Melia azederach commencing to leaf.
 Nov. 1.—First ripe strawberry (British Queen) gathered.
 „ 4.—Ditto cherry ditto.
 „ 7.—Black mulberry in full flower.
 „ 14.—Pomegranate commencing to flower.
 „ 21.—First ripe raspberry (Red Antwerp) gathered.

The majority of the above plants were about seven days earlier this season than in 1867. Strawberries were 24 days, and cherries 21 days earlier.

FRANCIS ABBOTT.