

**METEOROLOGICAL AND BOTANICAL ABSTRACT,
FOR THE AUTUMN 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.	
March ..	29·881	62·12	98	40	107·79	40·26	N.W., S.E.	72·61	7	0·47	5·54
April ..	29·933	55·71	75	36	92·85	42·38	N.W., W.	82·77	9	2·09	3·06
May ...	30·130	53·14	71	34	83·89	39·69	N.W., S.W.	46·30	5	0·44	1·61
Mean..	29·931	56·99	81·3	36·6	94·84	40·77	N.W., W.	67·33	21	3·00	14·67

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.

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

- March 10.—Guthrie's Topaz Plum ripe.
 ,, 15.—Tips of Hornbeam commencing to turn yellow.
 ,, 20.—Colchicum autumnale in flower.
 ,, 24.—Coe's Golden Drop Plum ripe.
 ,, 25.—Horsechesnut leaves turning brown.
 ,, 30.—Oak leaves commencing to fall.
 April 1.—Coe's Late Red Plum commencing to ripen.
 ,, 10.—Chinese Chrysanthemum commencing to flower:
 ,, 12.—Elm leaves commencing to fall.
 ,, 20.—Pyrus aucuparia (Mountain Ash) leaves commencing to fall.
 ,, 30.—Black Mulberry leaves commencing to fall.
 May 10.—First Medlar ripe.
 ,, 17.—Coronilla glauca commencing to flower.
 ,, 24.—Ailanthus glandulosa leaves all shed.
 ,, 25.—Diosma alba commencing to flower.
 ,, 30.—Photinia serrulata commencing to flower.
 ,, 30.—Spiræa prunifolia commencing to flower.

NOTE.—The Colchicum flowered ten days later this year than last; the Hornbeam, Golden Drop Plum, Horsechesnut, Oak, Chrysanthemum, and Black Mulberry were also from seven to ten days later, but Coe's Red Plum ripened eight days earlier.