

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

OBSERVATORY, HOBART TOWN.

Months.	Mean in Shade.		Max. and Min. in Shade		Mean Solar Intensity Black Bulb Insulated.	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.	
March ..	29·916	59·65	72·5	48·5	103·16	46·98	N.W., S.E.	41·10	9	1·58	3·75
April ..	30·019	56·46	66·0	47·0	88·93	45·33	N.W., S.E.	40·95	2	0·50	1·76
May ..	29·983	49·94	58·0	43·0	75·37	40·44	N.W., S.E.	9·36	14	3·07	1·11
Mean..	29·972	55·35	65·5	46·1	89·15	44·25	N.W. S.E.	30·47	25	5·15	6·62

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 Autumn Quarter 1869.*

March 12.—Tips of Hornbeam commencing to turn yellow.

„ 12.—Coe's Golden Drop Plum ripe.

„ 15.—Seckle Pear commencing to ripen.

„ 17.—Tips of Elm commencing to turn yellow.

„ 22.—Horsechestnut leaves turning brown.

„ 26.—Ash leaves commencing to fall.

„ 28.—Oak ditto.

April 8.—Coe's Late Red Plum commencing to ripen

„ 10.—Chinese Chrysanthemum commencing to flower.

„ 14.—Elm leaves commencing to fall.

„ 22.—Mountain Ash leaves ditto.

„ 28.—Black Mulberry ditto

„ 30.—Seeds of Hornbeam ripe.

May 8.—First Medlar ripe.

„ 18.—Coronilla glauca commencing to flower.

„ 20.—Photinia serrulata ditto.

„ 24.—Diosma alba ditto.

„ 25.—Spiræa prunifolia flora pl. ditto

„ 26.—Ailanthus glandulosus leaves all shed.

NOTE.—The Hornbeam was three, Coe's Golden Drop Plum twelve, Horsechestnut three, Oak two, Mulberry two, Medlar two, and Photinia ten days earlier this year than last. Coe's Late Red Plum was seven, Elm two, and Ailanthus two days later. The time of the remainder was the same as last year.