

METEOROLOGICAL AND BOTANICAL ABSTRACT,
FOR THE SUMMER QUARTER, 1869-70.

Months.	Mean in Shade.				Solar Intensity Black Bulb Insulated.	Terrestrial Radiation on Grass.	Wind.		Rain.		Evaporation exposed to open Sky.
	Pressure. — Barometer corrected to 32°.	Temperature of Air.	Maximum of Air.	Minimum of Air.			Prevailing Currents.	Force.	No. of Days.	Amount collected.	
	Inches.	°	°	°	°	°		lbs.	In.	In.	
Dec. ..	29.739	61.55	84	40	107.23	38.0	N. W., S. E.	78.83	15	1.47	5.80
Jan. ..	29.753	66.62	99	45	107.60	42.5	N. W., S. E.	92.63	9	4.57	5.00
Feb. ..	29.928	63.45	92	42	107.36	39.0	N. W., S. E.	60.88	5	0.35	5.32
Mean..	29.805	63.87	91.6	42.3	107.39	39.83	NW., SE.	77.44	26	6.39	16.12

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 a 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 Summer Quarter, 1869.

December 10th.—First Red Currant ripe.

„ 11th.—Common Privet commencing to flower.

„ 14th.—Black Currants commencing to ripen.

„ 15th.—*Melia azederach* commencing to flower.

„ 16th.—Doyenne d'Ete Pear commencing to ripen.

„ 20th.—Juneating Apple ditto ditto.

January 1st.—First Apricot (Royal) gathered.

„ 8th.—*Grevillea robusta* in full flower.

„ 9th.—Jargonelle Pear ripe.

„ 12th.—Mulberries commencing to ripen.

„ 14th.—*Veronica angustifolia* in full flower.

February 1st.—Kerry Pippin Apple commencing to ripen.

„ 2nd.—Windsor Pear ditto ditto.

„ 6th.—Greengage Plum ditto ditto.

„ 15th.—Common Ash commencing to shed seed.

„ 18th.—Sycamore ditto ditto

NOTE.—Red Currants were six days, Privet six days, Black Currants six days, *Melia azederach* three days, Doyenne d'Ete Pear two days, Juneating Apple five days, Apricot nine days, and *Grevillea* two days *later* than last season; and Kerry Pippin Apple was three days, Windsor Pear four days, Ash three days, and Sycamore four days *earlier*. The remainder were about the same time as last year.