

JUNE, 1875.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		
	Highest.	Lowest.	Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.	Direction from three daily re- gisters.	Force in lbs. per square foot	Rain in inches.
	In.	In	°	°	°	°			
1	29.927	29.845	62.43	78.5	36.0		NW	.52	
2	29.950	29.904	67.45	88.0	33.0		W NW	.52	
3	30.076	30.026	65.43	76.0	36.5		NW S	.26	0.18
4	30.451	30.403	53.44	63.5	39.0		S SE	1.04	
5	30.559	30.489	57.45	81.0	39.0		NE SE	.0	0.05
6	30.469	30.383	53.45	65.5	41.5		SW SE	.0	0.04
7	30.195	30.037	55.47	60.0	42.0		S SE	.0	0.10
8	29.842	29.776	61.47	76.0	40.5		NW S	.52	
9	29.769	29.676	64.42	84.0	34.0		NW	.52	
10	29.931	29.840	62.41	83.5	35.0		NW S	.78	
11	29.750	29.633	61.40	80.5	32.0		NW	.52	
12	29.601	29.505	68.50	87.0	37.0		NW	.26	0.05
13	29.535	29.424	61.44	67.5	40.0		NW W	.78	
14	29.713	29.632	65.41	83.0	35.0		NW SW	.26	0.05
15	29.836	29.810	63.38	81.5	33.0		W NW	.52	
16	29.829	29.800	56.35	75.5	29.0		NW	.52	
17	29.957	29.942	31.38	72.0	32.0		NW	.52	
18	29.949	29.812	59.39	77.0	30.5		W NW	1.04	0.01
19	29.506	29.500	61.44	77.0	38.0		NW	.78	0.01
20	29.350	29.338	60.47	79.5	42.0		NW W	1.04	0.02
21	29.860	29.713	56.46	70.0	40.0		NW W	.78	0.27
22	29.768	29.630	60.46	66.5	40.5		NW	.52	
23	29.648	29.517	72.46	95.0	42.0		WN W	.26	0.45
24	29.516	29.230	64.45	75.0	42.0		W SW NW	.52	0.06
25	29.362	29.500	63.38	88.0	34.0		NW SW	3.12	0.01
26	29.711	29.642	53.42	78.5	35.5		NW W	3.38	
27	30.103	30.074	60.35	80.0	29.0		N W	.0	
28	30.277	30.098	59.36	79.0	28.5		NW SE	.52	0.12
29	30.163	30.095	55.41	76.0	34.0		S SE	1.04	0.05
30	30.214	30.157	53.43	82.0	37.0		S	1.04	
Monthly mean 29.838			52.30	77.55	36.40		Total Force	21.06	1.52

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 30 years' standard tables are used for obtaining the difference from the average.

Barometer mean, 29.838in., being 0.053in. below the average.

Temperature mean, 52.80°, being 5.71° above the average.

Solar intensity mean, 77.55°, being 2.06° above the ditto.

Dew point mean, 45.0°, being 3.31° above the ditto.

Humidity of air mean, .76, being .07 per cent. below ditto.

Elastic force of vapour mean, .301, being .032 per cent. above the ditto.

Total amount of rain, 1.52in., being 0.2in. below the ditto.

Increase of rainfall on spontaneous evaporation, 0.30in.

Mean amount of ozone, 4.62, of chromatic scale, 1.99 below ditto.

Electric action for the month, 14 positive, 48 negative, and 17 nil.

Snow lying on Mount Wellington a great part of the month, with a few frosty mornings, and a thick, hazy atmosphere on several days.

FRANCIS ABBOTT.

Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens during the month.

16th.—*Maclaura aurantiaca* leaves falling.

20th.—Privet leaves shedding.

25th.—*Pyrus japonica* commencing to flower.

26th.—*Calycanthus præcox* in full flower.

30th.—Black Mulberry leaves shed.

Results of observations made at New Norfolk during the month :

Barometer mean of three daily readings, corrected and reduced, 29·855in.

Thermometer mean of three daily readings, 47·07°.

Dew point mean, position of, 42°S.

Humidity mean, ·86.

Elastic force of vapour, ·275.

Solar intensity mean of maximum temperature, 101·7.

Terrestrial radiation mean of minimum temperature, 32·5.

Rainfall, 1·47in. in excess of evaporation 44.

Evaporation, 1·13in.

Ozone mean of two daily observations, 7·4.

Clouds, mean of three ditto, 5·8.

Windforce in lbs. per square foot, total of three daily registers, 38·87lbs.

W. E. SHOOBRIDGE, Valleyfield.