

MAY, 1873.

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 lb. per square foot.	Rain in inches.
	In.	In.	°	°	°	°			
1	29.984	29.913	71	50	96.5	45.0	NW SE NW	.78	
2	29.802	29.675	68	52	70.0	48.5	NW	1.30	
3	29.583	29.567	67	52	83.0	42.0	NW	.78	0.01
4	29.613	29.585	64	52	74.5	44.5	ESE	.0	0.09
5	29.435	29.317	68	50	97.0	45.0	NW N NW	.26	
6	29.322	29.285	67	46	86.5	41.0	W NW	3.12	0.15
7	29.322	29.195	69	50	73.0	43.5	NW	26.56	
8	29.543	29.433	65	48	80.5	40.5	N NW	.52	0.5
9	29.821	29.672	64	50	97.5	42.0	NW	10.41	
10	30.037	29.932	63	44	85.0	39.0	NW	10.4	0.21
11	29.962	29.795	64	49	68.5	46.5	NW	3.12	0.01
12	29.779	29.702	69	51	85.0	48.0	NW	5.73	0.04
13	29.675	29.562	68	54	88.0	49.0	NW	5.47	0.21
14	30.029	29.848	66	47	89.5	39.5	NW SW	.52	0.02
15	30.061	29.855	62	41	89.5	35.0	NW W	.52	0.20
16	29.543	29.506	59	43	65.0	38.0	NW W	5.99	0.33
17	29.850	29.832	62	47	81.0	41.5	NW	6.25	0.05
18	29.877	29.831	60	50	67.0	44.0	NW W	1.04	0.28
19	30.003	29.962	58	44	72.0	39.0	NW SE W	.78	
20	30.006	29.979	65	43	90.0	35.0	SW NW W	1.30	
21	30.014	29.972	63	39	87.5	32.0	SW NW	.26	
22	29.975	29.926	72	44	95.0	39.5	NW	.52	0.01
23	30.307	30.259	69	49	72.0	33.0	NW	.26	0.01
24	30.178	29.971	65	43	82.5	34.0	NW	.52	0.01
25	29.884	29.848	68	49	96.0	42.5	NW SE	1.04	
26	29.906	29.889	66	48	82.0	44.0	NW SW	1.04	0.01
27	30.040	29.973	63	44	72.0	39.0	NW NE	1.04	
28	30.301	30.294	64	43	86.5	34.5	NW SW	.0	
29	30.344	30.297	61	39	77.5	28.5	NW	.78	
30	30.185	30.070	59	40	66.0	28.5	NW	.26	
31	30.172	29.916	54	41	55.5	29.0	NW	.78	
Monthly mean 29.844			53.80		81.11	39.80	Total Force	86.66	1.69

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

Barometer mean, 29.844 in., being .037 in. below the average.

Temperature mean, 53.80°, being 3.18° above the average.

Solar intensity, mean 81.11°, being 1.05° below the ditto.

Dew point mean, 46.1°, being 2.24° above the average.

Humidity of air, mean .74, being .06 per cent. below ditto.

Elastic force of vapour mean, .309, being .005 per cent. above ditto.

Total amount of rain, 1.69 in., being 0.08 in. below the ditto.

Increase of spontaneous evaporation on rain fall 0.22 in.

Mean amount of ozone 8.0, being 7.15 of chromatic above ditto.

Electricity active on the 1st, 2nd, 5th, 9th, 10th, 12th, 14th, 15th, 17th, 20th, 21st, 22nd, 23rd, 27th, 28th, and 30th.

Lightning on the 3rd. Snow on Mount Wellington on the 17th. High winds on the 7th and 9th.

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

15th.—*Coronella Glaucia*, commencing to flower.

20th.—*Photinia Serrulata*, ditto ditto.

26th.—*Diosma alba*, ditto ditto.

28th.—*Spiræa Prunifolia Pleno*, ditto ditto.

30th.—*Ailanthus* leaves all fallen.

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