

JULY, 1872.
PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		Rain in Inches.
	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.	
	In.	In.	°	°	°	°			
1	29.102	29.080	57.42	62.0	36.0	SW NW	.26	0.20	
2	29.790	29.672	50.41	81.5	39.0	SW	.52		
3	29.800	29.780	60.46	68.0	42.5	NW	1.04	0.20	
4	29.892	29.723	58.48	79.5	40.5	SE W SW	3.12	0.02	
5	30.271	30.219	63.51	80.5	34.0	NW E	.26		
6	30.332	30.279	58.47	75.0	27.0	NW	.52		
7	30.292	30.249	56.34	78.5	29.5	NW	.78		
8	30.127	30.054	65.39	88.0	31.0	NW	.26		
9	30.092	29.986	60.34	77.5	26.0	NW	.52		
10	29.728	29.600	55.37	58.5	30.5	NW SW	0	0.30	
11	29.469	29.441	55.44	73.0	40.0	NW	.26		
12	29.638	29.609	66.41	85.5	35.5	SW NW	.52		
13	29.541	29.504	62.40	78.0	35.0	NW SW	.26	0.38	
14	30.042	29.964	58.43	84.0	39.5	SE	.78		
15	30.184	30.142	66.39	87.0	39.5	S W SW	.26		
16	30.409	30.364	56.47	67.5	44.0	SW SE SW	.52	0.97	
17	30.410	30.281	56.42	78.5	39.0	NE W SE	.26		
18	30.066	29.925	52.41	63.0	36.5	NW	.51		
19	29.966	29.818	58.40	78.0	36.0	NW	.26		
20	29.865	29.831	60.34	81.0	30.0	NW SW	.26	0.02	
21	29.866	29.842	57.40	77.0	32.5	NW SE	.52	0.03	
22	29.942	29.903	56.40	82.0	30.0	NW SE	.52	0.02	
23	29.874	29.701	53.35	79.0	28.0	WNW	0	0.02	
24	29.462	29.299	62.42	83.0	40.0	NW	1.04	0.12	
25	29.298	29.282	58.43	75.0	39.0	NW	8.33	0.01	
26	29.328	29.293	58.40	85.0	33.5	NW	.78	0.06	
27	29.636	24.487	55.40	68.5	35.5	SW	.52	0.03	
28	29.948	29.889	54.44	72.0	32.0	SW NE SW	.52		
29	30.016	29.984	64.40	90.5	32.5	W NW SW	.52		
30	30.032	29.992	60.37	87.0	29.0	NW NE W	0		
31	29.912	29.847	62.34	87.5	28.5	NW	.52		
Monthly mean	29.842	29.842	48.0	77.80	34.56	Total force	24.71	2.17	

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, 29.842 in., being 0.025 in. below the average.

Temperature mean, 48.0°, being 1.93° above the ditto.

Solar intensity mean, 77.80°, being 1.72° above the ditto.

Dew point mean, 39.6°, being 0.43° below the ditto.

Humidity of air mean, 79, being .03 per cent. below the ditto.

Elastic force of vapor mean, .263, being .005 per cent. below the ditto.

Total amount of rain, 2.17 in., being 0.07 in. above the ditto.

Increase of rainfall on spontaneous evaporation, 0.42 in.

Mean amount of ozone, 7.10, the same as 30 years standing.

Electricity active on the 5th, 6th, 7th, 14th, 15th, 18th, 19th, 20th, 24th, 26th, 28th,

29th, 30th, and 31st.

Aurora on the 8th and 9th.

Snow never absent from Mount Wellington with frequent fresh deposits

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

14th.—*Garrya elliptica* commencing to flower.

20th.—*Arbutus unedo* ditto ditto.

29th.—*Morus alba* commencing to break into leaf.

30th.—Almond in full flower.

31st.—Common yellow *Crocus* in flower.

FRANCIS ABBOTT