

AUGUST, 1872.
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	29.661	29.496	58.44		79.5	38.0	NW	3.12	0.27
2	29.803	29.754	60.39		85.0	34.0	NW NE	7.80	0.29
3	29.516	29.486	57.44		80.5	39.0	NW	5.72	0.40
4	29.770	29.640	57.40		85.0	36.0	SE SW	5.20	
5	29.964	29.900	56.33		82.0	25.5	NW	.26	0.07
6	29.580	29.472	58.37		79.0	29.0	NW	1.30	0.06
7	29.676	29.601	53.36		72.0	33.0	N NW	1.04	0.04
8	29.874	29.837	63.38		83.5	34.5	NW W	.78	0.02
9	29.728	29.709	57.35		85.0	29.0	NE SE	2.86	0.40
10	30.011	29.877	49.38		75.5	31.0	SW	7.80	0.15
11	30.261	30.127	57.36		77.0	32.5	NW SW	.78	0.01
12	30.286	30.269	64.38		90.0	30.5	W SE	.52	
13	30.329	30.283	65.35		87.0	28.0	SE NW	.78	
14	30.312	30.244	59.33		79.0	26.0	NW	.52	
15	30.222	30.126	66.47		91.0	29.5	NW W	.78	
16	30.216	30.169	63.40		92.0	32.0	NW NE	.26	
17	30.199	30.141	66.38		86.5	34.5	NW	.78	
18	29.972	29.679	62.42		83.5	32.5	NW	3.12	0.02
19	29.970	29.816	59.39		79.0	35.0	NW SW	1.56	
20	29.969	29.925	55.42		91.0	34.0	SE NW	3.12	
21	30.239	30.210	81.43		57.5	33.5	NW SW	1.04	0.01
22	30.290	29.228	67.44		97.0	32.0	NW SE	0.	0.03
23	29.889	29.837	64.44		90.0	38.0	NW SE	3.12	0.40
24	30.011	29.959	63.41		91.5	39.5	NW SE	.26	
25	29.844	29.676	62.40		88.0	37.0	NW	1.04	
26	29.467	29.428	64.40		89.0	33.0	NW SE	.78	0.40
27	29.930	29.766	61.40		84.5	34.5	SW	7.80	0.03
28	30.066	30.054	61.40		87.0	35.5	NW SE	1.30	
29	30.102	30.062	64.33		90.0	26.0	NW SE	1.04	
30	30.054	29.887	61.36		78.0	28.5	NW SE NE	.52	0.23
31	29.654	29.577	77.44		72.0	40.0	NW	.52	
Monthly mean	49.66	49.66	83.53	43.95	Total Force	61.16	2.88		
	29.924								

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, 29.924in., being 0.104in. above the average.
 Temperature mean, 49.66°, being 1.19° above the average.
 Solar intensity mean, 83.53,° being 0.71 above the average.
 Dew point mean, 38.60,° being 2.20° below the average.
 Humidity of air mean, .72, being .07 per cent. below the do.
 Elastic force of vapour mean, .252, being .017 per cent. below the ditto.
 Total amount of rain, 2.88in., being 1.16in. above the ditto.
 Increase of rainfall on spontaneous evaporation, 0.83in.
 Mean amount of ozone, 8.70, being 114 of chromatic scale above ditto.
 Electricity active on the 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 9th, 12th, 13th, 14th, 15th, 17th, 21st, 22nd, 25th, 28th, and 29th.
 Aurora on the 4th. Snow never absent from Mount Wellington, with frequent fresh deposits.

Leaving, Flowering, and Fruiting of a few standard plants in the Royal Society's Gardens during the month.

- 14th—Sambucus niger (elder) commencing to break.
- 18th—Gooseberries ditto
- 24th—Horsechestnut ditto
- 25th—Elm commencing to flower.
- 27th—Poplar commencing to break.
- 31st—Apricots commencing to flower.