

DECEMBER, 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.		Highest in sun.	Lowest on grass.	Direction from three daily re- gisters.	Force in lbs. per square foot.	Rain in inches
			°	°					
1	29.960	29.826	67.53	104.0	49.0	NW SW W	7.80		
2	30.087	30.068	65.46	107.0	40.0	NW SW SE	1.30		
3	30.172	30.099	68.47	106.0	42.5	NE SE	1.04		
4	30.099	29.923	77.46	116.5	38.0	NW NE NW	1.04		
5	29.933	29.875	82.53	120.0	48.0	NW SE	1.30		
6	29.882	29.649	89.58	126.0	50.5	NW	1.30	0.01	
7	29.681	29.646	84.60	116.0	60.0	NW SE	1.30		
8	29.695	29.505	78.55	112.5	47.0	NW	13.54	0.05	
9	29.730	29.630	72.47	109.5	42.0	NW SW	6.25	0.08	
10	29.997	29.834	69.47	110.0	44.5	NW SE	3.64		
11	29.233	29.210	70.43	108.0	37.0	NW SE	1.30		
12	30.114	29.942	69.51	79.5	45.0	NW NE	1.04	0.05	
13	29.707	29.615	83.56	123.5	52.5	SE	1.30		
14	29.711	29.674	73.53	116.0	49.0	NW SE	1.04	0.03	
15	30.459	29.343	74.57	114.0	55.0	NW SE	.78		
16	29.545	29.464	73.53	114.0	45.0	NW SE	1.30	1.0	
17	29.389	29.018	70.47	91.0	44.0	NW	1.04	0.23	
18	29.235	21.173	69.48	114.0	44.5	NW	1.56	0.31	
19	29.428	29.376	68.48	114.0	45.0	NW	3.64	0.20	
20	29.557	29.532	72.52	118.0	44.5	NW SE	1.04	0.02	
21	29.593	29.590	68.50	86.5	45.0	SE	1.56	0.12	
22	29.865	29.749	67.49	106.0	46.0	SW SE	1.04		
23	29.701	29.639	64.49	107.0	42.0	NW SE	1.56	0.12	
24	29.580	29.549	70.49	114.0	48.0	NW	1.56	0.02	
25	29.401	29.362	71.54	105.0	51.0	NW	5.72	0.08	
26	29.702	29.585	68.47	107.0	45.5	NW	20.84	0.01	
27	29.707	29.664	75.51	81.5	46.0	NW	7.80		
28	29.824	29.591	73.50	105.0	42.5	NE NW	2.86		
29	29.531	29.504	72.50	108.0	48.0	NW	5.40		
30	29.867	29.829	71.49	115.0	40.5	NW NE	1.30		
31	29.918	29.825	82.50	120.0	45.0	NW SE	1.56		
Monthly mean 29.807	64.0	108.90	45.90	Total Force		103.80	2.35		

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, 29.807 in., being 0.059 in. above the average.

Temperature mean, 64.0°, being 2.81° above the average.

Solar intensity mean, 108.90°, being 4.12° above the ditto.

Dew point mean, 49.4°, being 0.49° above the ditto.

Humidity of air mean, .60, being .07 per cent. below the ditto.

Elastic force of vapour mean, .357, being .004 percent. below the ditto.

Total amount of rain, 2.35 in., being 0.54 in. above the ditto.

Increase of spontaneous evaporation on rainfall.

Mean amount of ozone, 7.7, being .04 of chromatic scale below ditto.

Electricity active on the 1st, 2nd, 4th, 8th, 9th, 10th, 21st, 24th, 25th, 26th, 27th, 29th, 30th, and 31st.

Thunder and lightning on the 5th and 15th, heavy.

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

10th.—First bunch of Red Currants ripe.

12th.—Common Privet commencing to flower.

15th.—First bunch Black Currants ripe.

20th.—Melia Azederach commencing to flower.

24th.—Doyenne d'Ete Pear ripe.

28th.—Juneating Apple ripe.

FRANCIS ABBOTT.