

AUGUST, 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.		Highest in sun.		Direction from three daily re- gisters.	Force in lb. per square foot.	Rain in Inches.
			°	°	°	°			
1	30·049	29·944	61	33	77·0	28·0	NW	·52	
2	29·745	29·665	69	47	95·0	31·5	NW W	1·04	
3	29·926	29·900	66	48	91·0	30·0	NW	·52	
4	30·019	29·976	65	37	86·0	29·5	NW SE	2·86	0·50
5	29·996	29·872	62	40	73·5	34·0	SE W E	0·	0·23
6	29·764	29·740	67	43	91·0	35·0	NW	·78	
7	29·760	29·443	61	38	62·5	37·0	SE	5·46	1·02
8	29·663	29·635	62	39	90·0	38·0	NW SW	1·04	
9	29·950	29·920	59	33	80·0	30·5	NW SE	3·38	0·02
10	30·135	30·082	59	30	86·0	29·0	NW	2·60	
11	30·155	30·102	59	42	72·0	34·5	NW	·26	0·09
12	30·064	29·934	61	39	78·5	31·0	NW	·78	
13	29·886	29·744	63	43	86·0	36·5	NW	·52	
14	29·588	29·493	60	42	66·5	35·0	NW SW	·78	0·02
15	29·729	29·575	65	36	86·0	33·0	NW	·52	0·02
16	29·198	29·160	65	45	96·0	33·5	NW	3·64	
17	29·538	29·290	62	41	86·0	34·0	NW SW	3·64	
18	29·869	29·806	61	36	86·0	31·5	NW E	·26	
19	29·579	29·505	67	41	96·0	36·0	NW	1·04	
20	29·895	29·858	66	40	94·0	33·0	NW	1·30	
21	29·945	29·885	65	43	90·0	37·5	NW	7·80	
22	30·058	30·003	63	49	98·0	38·0	NW	·52	
23	30·169	30·091	63	35	93·0	31·5	NW SE	·78	
24	30·149	30·046	67	35	96·5	30·0	NW NE SE	·26	0·06
25	30·187	30·133	63	40	70·0	34·0	NW SE	·78	
26	30·190	29·969	65	30	90·0	27·5	NW	·52	0·09
27	29·716	29·620	65	33	90·5	32·0	NW	·78	0·07
28	29·625	29·567	65	45	91·0	38·5	NW	3·64	0·15
29	29·641	29·593	61	40	75·0	34·0	NW	3·58	0·12
30	29·898	29·756	56	41	77·0	34·0	SW SE	8·33	0·07
31	30·216	30·205	57	37	90·0	32·0	NW	·52	
Monthly mean			52·88		85·20	33·40	Total force	59·29	2·51
29·833									

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, 29·833in., being 0·013in. above the average

Temperature mean, 52·88°, being 4·41° above the ditto.

Solar intensity mean, 35·20°, being 2·38° above the ditto.

Dew point mean, 43·0°, being 2·20° above the ditto.

Humidity of air mean, 71, being 08 per cent. below the ditto.

Elastic force of vapour mean, 282, being 013 per cent. above the ditto.

Total amount of rain, 2·51in., being 0·79in. above the ditto.

Increase of rain-fall on spontaneous evaporation, 0·70in.

Mean amount of ozone, 8·0, being 0·44 of chromatic scale above the ditto.

A full amount of electricity all through the month, with a force ranging from 25 to 90 degrees, except on the 5th, 7th, 11th, and 12th.

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.

12th.—Sambucus Niger commencing to break.

13th.—Horsechestnut ditto.

20th.—Gooseberries ditto.

24th.—Elm commencing to flower.

26th.—Poplar commencing to break.

31st.—Apricots commencing to flower.

FRANCIS ABBOTT.