

APRIL, 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	29·994	29·871	70	49	99·0	44·0	NW	·312	0·05
2	30·126	30·066	69	44	95·0	40·0	W SW SE	1·04	0·01
3	30·261	30·221	65	38	91·0	34·0	NW NE SE	·78	
4	30·256	30·209	70	41	100·0	33·0	NW SE	·52	
5	30·271	30·165	72	45	103·5	33·0	NW	1·30	
6	30·179	30·094	78	50	100·0	44·0	NW NE SE	·26	
7	30·134	30·053	83	48	110·0	42·0	NW SE	·78	
8	30·037	29·824	83	47	104·0	38·5	NW	5·46	0·09
9	29·907	29·902	70	57	78·0	50·0	NW NE SE	·52	0·16
10	30·089	30·074	61	46	68·5	36·0	SW SE NE	·78	
11	30·095	29·957	71	44	84·0	35·0	NW SE	·52	0·02
12	30·055	29·979	68	48	103·0	45·0	NW SE	1·04	0·10
13	30·276	30·217	70	54	76·5	50·0	SW SE	0·	0·02
14	30·295	30·204	65	55	67·0	48·0	S SW E	·52	0·01
15	30·172	30·015	63	51	83·0	44·0	NW NE	·78	0·09
16	29·832	29·715	66	51	72·5	46·5	SW SE	2	0·50
17	29·609	29·553	67	54	88·0	45·0	SE E SE	·52	0·09
18	29·905	29·838	68	57	72·5	50·0	SE SW	·52	0·21
19	30·165	30·163	68	57	94·0	50·5	SE SW SE	·78	0·01
20	30·178	30·110	68	53	96·0	48·0	NW NE	1·04	
21	29·979	29·832	77	52	100·0	49·5	NW NE	3·12	0·50
22	29·644	29·564	72	58	95·0	52·0	NW	·78	0·01
23	29·575	29·503	69	49	92·5	43·0	NW	2·86	0·03
24	29·842	29·756	66	46	95·0	35·0	NW SW	3·38	
25	29·931	29·910	65	44	94·0	35·5	NW	1·30	
26	29·934	29·915	64	50	74·5	42·0	NW	·26	
27	29·779	29·694	68	52	92·0	48·0	NW SE	·52	0·07
28	29·784	29·615	62	50	64·5	47·0	SW SE	10·42	0·55
29	30·087	30·079	61	48	83·5	41·	SW SE	3·64	0·04
30	30·152	30·124	68	46	96·0	42·0	SW NE SW	·26	
Monthly mean			59·10		89·0	43·3	Total Force	42·74	2·56
	29·977								

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, 29·977in., being 0·065in. above the average.

Temperature mean, 59·10°, being 3·57° above the ditto.

Solar intensity mean, 39·0°, being 2·70° below the ditto.

Dew point mean, 49·5°, being 2·33° above the ditto.

Humidity of air mean, 75, being 01 per cent. below the ditto.

Elastic force of vapour mean, 374, being 045 per cent. above the ditto.

Total amount of rain, 2·56in., being 0·79in. above the ditto.

Increase of rainfall on spontaneous evaporation, 1·50in.

Mean amount of ozone, 8·20, being 1·14 of chromatic scale above the ditto.

Electricity feeble through all the wet weather.

Hot wind on the 8th. Weather squally and unsettled all through the month.

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

12th.—Coes late red Plum commencing to ripen

16th.—Chinese Chrysanthemums commencing to flower.

18th.—Elm leaves commencing to fall.

25th.—Pyrus Aucuparia leaves ditto ditto.

30th.—Black Mulberry ditto ditto.

„.—Seds of Hornbeam ripe.

FRANCIS ABBOTT