

METEOROLOGY FOR APRIL, 1865.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of month.	Bar. 37 feet abv. sea level, cor. & reduced		Self-register- ing Thermo- meters.				Wind.		Rain in inches.
	Highest.	Lowest.	Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.	Direction from three daily registers.	Force in lbs. per square foot.	
	In.	In.	°	°	°	°			
1	29.727	29.595	60	46	89	44.0	N N W W	1.04	0.57
2	30.159	30.043	61	41	100	39.5	N E S	.78	0.02
3	30.206	30.146	61	40	75	38.0	N W N N	.52	
4	30.150	30.049	60	50	64	44.5	N W W S	0.	0.01
5	30.210	30.105	71	49	106	46.5	N N E S	.26	
6	29.956	29.844	76	53	94	49.5	N W N W S W	.52	
7	29.832	29.709	87	49	120	46.5	N W N E W	.78	
8	29.768	29.657	80	58	88	51.0	N W N W	2.86	0.31
9	30.079	29.895	74	59	84	43.0	W N W W	5.46	
10	30.072	29.964	67	49	69	46.0	N W N W N W	3.38	
11	29.795	29.630	69	54	102	42.0	N W W W	13.02	
12	29.906	29.842	65	49	95	46.0	N W N W N W	3.12	
13	30.071	30.057	78	49	103	45.0	N W N W N W	8.33	
14	29.895	29.877	69	54	94	44.0	N W N W N W	1.30	
15	29.941	29.921	69	57	90	46.5	N W S E S E	.52	
16	30.066	30.058	65	51	67	50.0	S W E S E	0.	
17	30.060	29.995	77	50	101	48.0	N W N W S E	1.04	
18	30.097	30.067	73	48	105	47.0	N W S E S E	.52	
19	30.079	29.881	77	53	103	52.0	N W N W N E	2.86	
20	29.730	29.548	73	63	84	60.5	N W N W N W	5.46	0.02
21	29.942	29.915	70	45	96	42.0	N W W N W	2.86	0.04
22	30.328	30.198	65	41	87	36.0	W S E S	.26	0.01
23	30.380	30.276	64	38	95	36.0	N W N W S	.78	
24	30.252	30.129	64	50	90	39.5	N W N E S W	.26	
25	30.061	29.926	63	38	72	35.0	N W N W N E	0.	
26	29.708	29.489	75	50	100	49.0	N W N W N W	.52	0.15
27	29.633	29.456	75	47	105	42.5	N N W N E	3.12	
28	30.012	29.798	71	44	93	40.5	N W W N W	1.30	0.10
29	30.188	30.129	66	39	93	36.5	N W N W N W	.26	
30	29.956	29.846	63	41	75	39.0	N W N W S W	0.	
Total force								61.13	1.23

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 an 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 sun-down.

The twenty years' standard tables are used for obtaining the difference from the average.

*Leafing, flowering, and fruiting of a few standard plants in the Royal Society's
Gardens during the month :—*

- 4th. Chrysanthemums commencing to flower.
- 8th. Elm leaves commencing to fall.
- 10th. Coe's Fine Late Red Plum commencing to ripen.
- 20th. Mountain Ash leaves commencing to fall.
- 25th. Black Mulberry leaves commencing to fall.
- 28th. Hornbeam seeds commencing to ripen.

Barometer mean, 29·951 inches, being 0·066 in. above the average.

Temperature mean, 56·49°, being 0·85° above the average.

Solar intensity mean, 91·32°, being 0·54° below the average.

Dew point mean, 46·3°, being 0·82° ditto.

Humidity mean, ·74, being 1½ ditto.

Elastic force of vapor ·341 *per cent*, being ·17 above the average.

Total amount of rain, 1·23 inches, being 0·55 inches below the average.

Mean amount of ozone 8·16 chromatic scale, being 1·50 above the average.

Increase of spontaneous evaporation on condensation +1·37 inches.

Electricity active on the 11th, 13th, 23rd, 24th, and 28th.

Fresh deposit of snow on Mount Wellington on the 1st. Showery with thunder on the 8th. Much haze through the month, with frequent halos round the Moon.

FRANCIS ABBOTT.



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