

METEOROLOGY FOR AUGUST, 1866.

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.	in shade.		Highest in sun	Lowest on grass.	Direction from three daily registers.	Force in lbs. per square foot.	
			Highest in shade.	Lowest in shade.					
	In.	In.	°	°	°	°			
1	30.185	30.103	52	31	79.0	30.5	NW W NW	.52	0.01
2	30.080	29.856	49	34	55.0	30.5	NW	.52	
3	29.837	29.811	62	42	90.5	39.0	N NW	.26	0.01
4	30.123	30.061	63	42	90.0	39.5	W NW W	1.40	
5	30.114	29.967	58	41	79.0	38.0	NW	3.12	
6	29.874	29.700	55	39	60.0	40.0	NW	2.86	
7	29.564	29.407	55	38	76.5	36.0	NW SE	.26	
8	29.236	29.188	57	48	79.5	43.5	SW	3.38	0.02
9	29.243	29.147	56	43	76.0	41.0	NNW	2.78	
10	29.520	29.458	52	42	56.0	40.5	SW SE SW	.78	0.34
11	29.450	29.375	52	37	78.0	38.5	NW SE	.52	0.09
12	29.493	29.436	54	44	79.5	40.0	SW SE SW	0.	0.30
13	29.808	29.630	57	38	90.0	37.0	W N	.52	0.02
14	29.892	29.807	61	43	96.0	40.0	N NW S	1.40	
15	30.320	30.246	60	38	90.0	36.0	W NW W	.26	
16	30.254	30.166	57	34	80.0	32.0	NW	.78	
17	30.442	30.365	62	36	90.0	34.0	NW SW	.78	0.03
18	30.507	30.425	62	31	90.5	28.0	NW W	.26	
19	30.332	30.224	54	40	70.0	35.0	NW	3.38	
20	30.308	30.228	58	41	93.5	40.0	NW SE NW	.26	0.03
21	30.285	30.225	59	45	88.5	40.5	SW NW	.26	
22	30.100	30.060	62	45	90.0	42.5	N S SW	.78	0.03
23	30.147	30.079	58	46	95.0	34.5	NW	.78	0.02
24	29.808	29.716	65	41	95.5	40.0	NW	8.33	
25	30.038	30.004	59	41	83.0	37.0	W NW	.52	
26	30.118	30.014	67	47	99.0	46.5	NW	.52	
27	30.145	30.099	69	47	97.0	44.5	NW W	5.73	
28	30.397	30.327	67	44	86.0	41.0	NW SE	.52	
29	30.308	30.210	67	42	93.5	36.5	W NW NW	.78	
30	30.156	29.926	61	41	69.0	39.5	N NW NE	.26	0.03
31	29.839	29.810	69	43	99.0	42.0	SW NW	.52	
Monthly									
mean 29.952 50 .60 83.70 38.18 Total force 42.66 0.93.									

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 sundown.

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 :—*

- 10th. Gooseberry bushes commencing to leaf.
- 12th. Horsechestnut buds breaking.
- 14th. Sambucus Niger commencing to flower.
- 20th. Elm commencing to flower.
- 22nd. Poplar commencing to break,
- 30th. Apricots commencing to flower.

Barometer mean, 29·952in., being 0.169in. above the average.

Temperature mean, 50.60°, being 1·90° above the ditto.

Solar intensity mean, 83·70°, being 2·70° above the ditto.

Dew point mean, 41·80°, being 0.93° above the ditto.

Humidity of air mean, ·73 being 3½ per cent. below the ditto.

Elastic force of vapor mean, ·267, being 3½ per cent. below ditto.

Total amount of rain, 0·93in., being 1·13in. below the ditto.

Increase of spontaneous evaporation on rainfall, 2·07in.

Mean amount of ozone, 7·79, being 0·62 of chromatic scale above ditto.

Electricity active on the 17th, 23rd, 24th, 25th, 27th, and 29th.

On the 25th and 26th, with full moon, over a thin layer of cum-cir and cum-stra clouds, was produced complete Coronas with several series of concentric-colored circles from three to four degrees in diameter.

FRANCIS ABBOTT.



Abbott, Francis. 1866. "Meteorology for August, 1866." *Papers and proceedings of the Royal Society of Tasmania* 76–77.

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