

## METEOROLOGY FOR AUGUST, 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	30·084	30·065	58	45	68·0	41·0	NE NW SW	3·12	0·04
2	30·119	29·987	60	38	85·0	34·0	NW SW	·52	
3	30·228	30·177	62	34	85·0	31·5	NW SW	·26	0·01
4	30·365	30·330	60	34	87·0	31·5	NW SE	·52	
5	30·345	30·278	62	38	90·0	33·0	NW NE S	0·	
6	30·313	30·291	62	39	90·0	36·0	NW N S	·26	
7	30·510	30·480	65	40	98·0	40·0	NW SE	·26	0·03
8	30·566	30·475	66	38	92·0	34·5	NW N	·52	
9	30·492	30·417	65	40	90·0	37·5	NW SW	·26	
10	30·397	30·234	66	39	91·5	35·5	NW W	·78	
11	30·100	30·018	62	46	70·0	40·0	NW SW	·52	
12	29·992	29·821	66	40	92·0	34·5	NE NW	1·04	
13	29·491	29·385	62	47	89·0	43·5	S W NW	5·20	0·06
14	29·785	29·648	58	37	90·0	37·0	SW S SW	·52	1·10
15	29·985	29·942	60	32	86·0	28·5	E N NW	·26	0·05
16	29·719	29·683	57	39	84·0	32·5	NW	·52	
17	30·060	29·911	54	38	78·0	33·0	SW S	·52	0·20
18	30·172	30·135	62	37	88·0	32·5	NW N SE	·78	
19	30·169	30·129	62	38	90·0	34·0	NW SE	·26	
20	29·961	29·821	61	43	73·0	39·0	NW	·52	
21	29·806	29·567	66	43	95·0	37·5	N	·78	
22	29·454	29·410	62	44	95·0	38·0	NW W	·52	0·03
23	29·749	29·716	64	40	95·0	36·0	W SE NW	·52	
24	30·006	29·853	61	43	87·0	40·0	NW SW	5·72	0·06
25	30·082	29·934	59	32	90·0	27·5	NW SE S	·26	
26	29·632	29·435	56	39	58·0	36·5	NW W NW	3·38	0·02
27	29·376	29·245	61	41	84·0	37·0	N NW N	1·04	0·05
28	29·343	29·264	57	41	89·0	38·0	N NW	3·64	0·05
29	29·448	29·364	55	42	85·0	40·0	W SW NW	5·72	0·38
30	29·500	29·444	52	41	67·0	37·5	NW	1·30	0·13
31	29·792	29·699	52	39	75·5	34·5	NW SE	·78	0·02
Total force 40·30lbs									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 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:—*

- 9th Horse Chestnut buds commencing to break.
- 10th Sambucus niger commencing to leaf.
- 12th Poplar commencing to break.
- 15th Gooseberry bushes commencing to break.
- 16th Elm commencing to flower.
- 28th Apricot commencing to break.

Barometer mean, 29·919in., being 0·136in. above the average.  
 Temperature mean, 49·31°, being 0·61° ditto.  
 Solar intensity mean, 85·08°, being 4·08° ditto.  
 Dew point mean, 40·7°, being 0·17° below the average.  
 Humidity of air mean, ·76, being 3·5 per cent. ditto.  
 Elastic force of vapor mean, ·265, being ·012 per cent. ditto.  
 Total amount of rain, 1·23in. being 0·83in. ditto.  
 Mean amount of ozone, 7·75 of chromatic scale, being 0·58 the above average.  
 Less rainfall on spontaneous evaporation, 1·28in.  
 Aurora Australis brilliant on the 3rd.  
 Lightning on the 30th.  
 Mount Wellington copiously mantled with snow all the month, with frequent fresh deposits.  
 Electricity active on the 10th, 12th, 14th, 15th, 16th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 28th, and 31st.

FRANCIS ABBOTT.



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