

## METEOROLOGY FOR JULY, 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	30.129	30.103	68	45	89.0	41.5	NW	.52	
2	30.153	30.099	68	45	80.0	45.5	N NW	2.60	
3	30.061	29.932	64	41	89.0	37.5	NW W N	.78	
4	29.950	29.926	65	48	90.0	44.5	NW W NW	3.64	0.02
5	30.034	29.932	70	50	92.0	46.5	N W E	2.86	
6	30.264	30.241	65	39	84.0	34.0	NWSW	0.	
7	30.339	30.286	61	38	83.0	33.0	NW N NW	.26	
8	29.964	29.679	58	37	59.0	32.0	NW	3.38	
9	29.803	29.764	57	42	65.0	36.0	W SW	5.21	
10	29.836	29.816	55	30	77.0	27.0	W E SW	0.	0.03
11	29.864	29.826	57	38	68.0	36.0	SE S	13.02	0.11
12	29.818	29.802	49	44	50.0	40.0	SE S	.78	1.00
13	29.898	29.848	52	41	71.0	40.0	SW E SW	0.	0.07
14	29.880	29.825	56	39	80.0	39.0	NW N NW	.78	
15	29.666	29.627	56	39	85.0	35.0	NW	.78	
16	29.811	29.777	52	37	75.0	32.0	NW N NW	1.04	
17	29.712	29.655	61	40	84.0	35.5	N NW	1.04	0.02
18	29.923	29.803	58	45	72.0	43.5	NW S SE	0.	0.11
19	30.156	30.092	55	33	76.0	32.0	NW NE S	0.	
20	30.294	30.280	58	33	83.0	29.5	NWSW	0.	
21	30.382	30.331	60	34	82.0	30.0	NW S	0.	
22	30.363	30.148	57	35	79.0	31.0	NW N W	.26	
23	29.972	29.816	54	38	60.0	36.5	NW E S	0.	0.08
24	29.716	29.601	52	41	73.5	39.0	NW NE SW	0.	0.06
25	29.591	29.546	60	40	83.0	40.0	NW E SW	.26	
26	30.034	29.910	61	37	85.0	34.5	NW NE	0.	0.04
27	30.127	30.102	58	35	78.0	34.0	NW	0.	
28	30.121	30.049	60	43	77.0	40.0	NW N NE	0.	
29	29.820	29.772	56	40	67.0	36.5	NWSW NW	.26	0.01
30	29.892	29.756	57	45	85.0	39.5	W	15.62	0.05
31	30.010	29.984	55	40	66.0	38.0	N NW	1.04	
Total force 54.13lbs 1.60									

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:—*

- 1st. *Garrya elliptica* commencing to flower.
- 2nd. White mulberry buds commencing to break.
- 5th. Almond commencing to flower.
- 16th. Crocus commencing to flower.
- 25th. White Hyacinth commencing to flower.

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Barometer mean, 29.947in., being 0.089in. below the average.

Temperature mean, 47.09°, being 1.27° above the average.

Solar intensity mean, 77.00°, being 1° ditto.

Dew point mean position, 38.5° being 1.33° below the average.

Humidity of air mean, .78, being 4.5 per cent. ditto.

Elastic force of vapor mean, .251, being .008 per cent. ditto.

Total amount of rain. 1.60in. being .13in. ditto.

Mean amount of ozone, 8.55 of chromatic scale, being 2.12 above the average.

Increase of spontaneous evaporation on rainfall 0.32in.

Electricity active on the 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, and 30th.

A very high wind, a.m. on the 30th, velocity from 24 to 48 miles per hour.

Snow on Mount Wellington copious all the month.

FRANCIS ABBOTT.



Abbott, Francis. 1865. "Meteorology for July, 1865." *Papers and proceedings of the Royal Society of Tasmania* 69–70.

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