

ROYAL SOCIETY.

METEOROLOGY FOR DECEMBER, 1866.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of month.	Bar. 37 feet Self - register- abv. sea level, ing Thermo- cor. & reduced meters.						Wind.		Rain in inches.
	Highest.	Lowest.	Highest in shade.		Lowest on grass.		Direction from three daily registers.	Force in lbs. per square foot.	
			°	°	°	°			
1	29.729	29.535	75	51	110.0	49.5	N NW W	.78	0.06
2	29.605	29.535	75	50	99.0	47.5	N NW	.78	
3	29.746	29.670	67	43	95.0	42.0	SW NW	7.80	
4	29.863	29.832	69	52	112.0	51.0	N SE	1.30	0.20
5	29.776	29.454	72	54	92.0	51.5	NW N	3.12	
6	29.715	29.528	68	50	96.0	46.0	NW W	3.38	
7	29.948	29.921	69	48	112.0	45.5	SW E SE	1.04	0.18
8	29.887	29.647	78	47	119.0	48.5	N SE	.78	
9	29.715	29.687	71	51	110.0	49.0	SE	3.64	
10	29.656	29.591	68	44	110.0	43.0	NW W	3.72	0.12
11	29.723	29.703	72	50	117.0	47.5	NW W NW	3.72	
12	29.791	29.682	73	52	90.0	50.5	NW SE	.52	
13	29.617	29.452	75	52	111.0	46.0	NW SE	3.12	0.44
14	29.507	29.482	70	50	105.5	49.0	NW W NW	1.30	
15	29.552	29.459	68	54	110.0	50.5	NW W NW	5.72	
16	29.722	29.655	66	46	103.0	48.5	NW S	1.30	0.72
17	29.742	29.687	63	47	69.0	47.0	SE S	3.64	
18	29.548	29.301	60	47	63.0	47.0	S SW NE	1.04	
19	29.124	29.068	56	45	58.0	43.0	NW N E	5.99	0.76
20	29.407	29.257	66	51	105.0	48.0	NW W NW	1.30	
21	29.388	29.139	64	49	68.0	47.0	NW SW	.26	
22	29.309	29.211	71	50	115.0	48.5	NW	1.56	0.88
23	29.595	29.479	69	45	110.5	44.5	NW W SE	.78	
24	29.667	29.622	67	49	98.0	47.0	NW W	2.86	
25	30.077	29.854	71	50	111.5	46.5	SW E	3.64	0.07
26	30.151	30.110	73	53	113.0	51.5	NW SE S	1.04	
27	30.049	29.786	81	51	119.0	49.0	NW SE SE	.78	
28	29.902	29.795	77	61	112.0	53.0	SE E	.78	
29	29.926	29.897	72	53	112.0	51.0	NW SE	2.86	
30	29.970	29.936	74	46	114.0	45.0	N SE	1.04	
31	29.994	29.905	74	48	111.5	46.5	NW SE	1.30	

Total force 74.63lbs 3.43

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. First bunch of Red Currants ripe.
- 11th. Common Privet commencing to flower.
- 18th. First bunch of Black Currants ripe.
- 20th. *Melia Azederach* commencing to flower.
- 26th. Doyenne L'Ete Pear commencing to ripen.
- 31st. Early June eating Apple commencing to ripen.

Barometer mean, 29·662in., being 0·108in. below the average.
 Temperature mean, 59·41°, being 2·66° ditto.
 Solar intensity mean, 102 29°, being 4 71° ditto.
 Dew point mean, 47·2°, being 1·60° ditto.
 Humidity of air mean, '68, being '06 per cent. ditto.
 Elastic force of vapor mean, '344, being '027 per cent. above the average.
 Total amount of rain, 3·43in. being 2·11in. ditto.
 Increase of spontaneous evaporation on rainfall 2·15in.
 Mean amount of ozone, 8·35, being 2·01 of chromatic scale above the average.
 Electricity active on the 1st, 3rd, 6th, 7th, 8th, 10th, 11th, and 15th.
 Lightning on the 15th, and snow perceptible on Mount Wellington with fresh deposits during the month.

FRANCIS ABBOTT.



Abbott, Francis. 1865. "Meteorology for December, 1865." *Papers and proceedings of the Royal Society of Tasmania* 126–127.

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