

## ROYAL SOCIETY.

## METEOROLOGY FOR DECEMBER, 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.	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	29.996	29.968	67	47	105.5	45.0	NW SE	1.04	0.30
2	30.152	30.087	57	47	62.0	44.0	NE SE	3.12	0.13
3	30.264	30.234	63	42	106.0	39.5	SE	1.30	
4	30.297	30.254	67	41	112.0	38.5	NW SE NE	1.30	
5	30.214	30.065	69	43	112.0	42.5	NW SE	1.30	
6	30.029	30.012	61	45	101.5	44.0	SW	7.80	0.05
7	30.074	30.062	62	40	108.0	37.5	W SE E	.78	
8	30.027	29.760	68	49	106.0	45.0	NE	3.64	
9	29.625	29.531	76	53	117.0	53.5	NW NE SE	.78	0.17
10	29.785	29.764	70	46	113.0	44.0	W SE NE	.52	
11	29.744	29.598	75	52	113.0	50.5	NW S E	1.30	0.92
12	29.775	29.737	67	54	78.0	50.0	SE E	1.04	
13	29.945	29.829	74	43	114.0	42.0	NW SE	1.30	
14	29.980	29.960	70	53	114.0	51.5	NW SE	1.04	0.05
15	30.122	30.095	70	47	113.5	45.5	E SE S	1.30	
16	29.906	29.814	59	50	60.0	53.0	SE SW S	.26	0.61
17	30.052	29.895	59	46	105.0	41.0	SE	1.30	0.05
18	30.071	30.013	67	45	111.0	42.0	NW E NE	1.04	
19	29.964	29.791	66	50	106.0	50.5	NW N NW	.78	
20	29.916	29.737	61	49	84.0	45.5	SW S SW	1.04	1.21
21	30.086	30.070	64	48	110.0	45.5	SW SE	3.12	0.10
22	30.118	29.997	70	52	113.5	51.0	NE SE	1.30	
23	29.851	29.615	80	53	120.0	50.5	NW	7.80	
24	30.011	29.902	75	52	105.0	50.0	NW SW SE	.78	
25	29.972	29.671	73	49	79.0	46.5	NW E W	.78	
26	29.630	29.394	75	51	115.0	50.5	NW	7.81	
27	29.779	29.655	68	57	102.5	49.0	NW	8.13	
28	29.885	29.849	73	53	109.5	49.0	NW W	13.02	
29	29.944	29.915	78	57	120.0	56.0	NW SE	2.86	
30	29.905	29.891	80	52	120.0	50.0	NW SE	1.30	
31	29.926	29.744	79	52	120.0	52.0	NW SE E	1.04	
Monthly									
mean 29.915 60.87 105.03 46.94. Total force 80.12 3.59									

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-five years' standard tables are used for obtaining the difference from the average.

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*Leafing, Flowering, and Fruiting of a Few Standard Plants  
in the Royal Society's Gardens during the Month:—*

- 12th. Common Privet commencing to flower.
  - 15th. First bunch red currants ripe.
  - 20th. First bunch black currants ripe.
  - 25th. *Melia azederach* commencing to flower.
  - 31st. Doyenne d'Ete Pear commencing to ripen.
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Barometer mean, 29·915in., being 0·170in. above the average.

Temperature mean, 60·87°, being 0·25° below the ditto.

Solar intensity mean, 105·03°, being 2·06° above the ditto.

Dew point mean, 50·06°, being 1·04° above the ditto.

Humidity of air mean, '69, being '01 per cent. above the ditto.

Elastic force of vapor mean, '368, being '016 per cent. above the ditto.

Total amount of rain, 3·59in., being 1·86in. above the ditto.

Increase of spontaneous evaporation on rainfall, 1·38in.

Mean amount of ozone, 7·51, being 0·32 of chromatic scale above the ditto.

Electricity active on the 3rd, 4th, 5th, 6th, 7th, 26th, and 29th.

Heavy thunder, strong flashes of lightning, with much rain, on the 11th.

FRANCIS ABBOTT.



Abbott, Francis. 1866. "Meteorology for December, 1866." *Papers and proceedings of the Royal Society of Tasmania* 113–114.

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