

NOVEMBER, 1875.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		
	Highest.	Lowest.	Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.	Direction from three daily re- gisters.	Force in lbs. per square foot	Rain in inches.
1	29.423	29.306	70.50	110.0	41.5		S NW	.52	0.44
2	29.111	29.023	68.46	91.5	41.0		NW	3.38	0.01
3	29.144	28.967	65.45	97.0	37.0		NSW	13.02	0.10
4	29.332	29.202	62.42	103.0	33.5		NW W	8.33	0.30
5	29.380	29.303	75.48	110.0	41.0		W NW	13.02	0.03
6	29.166	29.050	72.55	100.0	51.0		NWS	11.46	0.10
7	29.627	29.585	65.45	98.5	40.5		W SW	5.72	0.01
8	29.615	29.538	65.49	98.0	43.0		NW SW	18.23	0.03
9	29.743	29.375	61.45	78.5	40.0		W N	.26	0.07
10	29.512	29.435	63.47	105.0	40.5		NW SW	6.25	0.25
11	29.846	29.829	66.42	100.0	39.0		NW	.26	0.01
12	29.721	29.587	84.53	110.5	42.0		NW	5.99	0.01
13	29.768	29.532	80.59	102.0	47.0		NW W	10.01	
14	29.776	29.730	72.48	107.0	43.0		NW SW	3.64	0.01
15	29.697	29.625	72.52	117.0	46.5		NW SW	3.32	
16	29.593	29.517	66.44	100.5	40.0		WN W	7.94	0.06
17	29.677	29.641	59.45	78.0	40.0		W S	2.60	0.03
18	29.541	29.470	66.46	106.0	43.0		NW SW	1.30	0.03
19	29.722	29.600	65.43	101.0	38.5		NWS	1.56	
20	29.693	29.565	59.42	74.0	38.0		NW SE	.26	0.40
21	29.657	29.561	57.48	65.5	40.0		S	8.17	0.04
22	29.891	29.818	66.47	109.0	44.0		SE	.78	0.02
23	29.667	29.600	66.47	105.0	43.5		W NW	1.04	0.07
24	29.688	29.364	61.47	87.5	43.0		NW SE	.0	0.19
25	29.625	29.605	69.47	106.0	40.0		SW NW	3.64	
26	29.849	29.794	71.51	110.0	40.0		SW NE	1.04	
27	29.909	29.694	79.45	113.5	42.5		NW SE	1.04	
28	29.551	29.434	78.57	97.0	47.0		NW NE S	.52	
29	29.630	29.488	79.45	116.5	42.5		NE SW	5.21	
30	29.613	29.509	74.46	110.0	42.0		NW	3.12	0.16
Monthly mean 29.548			60.50	100.45	41.78		Total Force	144.99	2.28

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 a 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 30 years' standard tables are used for obtaining the difference from the average.

Barometer mean, 29.548 in., being 0.417 in. below the average.

Temperature mean, 60.50°, being 2.83° above the average.

Solar intensity mean, 100.45°, being 1.46° below the ditto.

Dew point mean, 46.80°, being 0.31° above the ditto.

Humidity of air mean, 63, being .07 per cent. below ditto.

Elastic force of vapour mean, .333, being .007 per cent. above the ditto.

Total amount of rain, 2.28 in., being 0.50 in. below the ditto.

Increase of spontaneous evaporation on rainfall, 3.95 in.

Mean amount of ozone, 4.17, being 3.33 of chromatic scale, below ditto.

Electricity active all through the month, mostly positive, with strong and fluctuating winds.

A fresh covering of snow on Mount Wellington on the 4th and 19th.

FRANCIS ABBOTT.

Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens during the month.

21st.—First ripe Strawberry gathered.

25th.—Ditto ditto Cherry (May Duke) ditto.

28th.—Black Mulberry in blossom.

The flowering of *Punica plena* and *Bougainvillea spectabilis*, and the ripening of raspberries fully ten days later this season than usual.

Results of Observations made at New Norfolk during the month :

Barometer, mean of three daily observations, corrected and reduced,
29·587 inches.

Thermometer, mean of three ditto, 56·00°.

Elastic force of vapour, mean of three ditto, '299.

Humidity, mean of three ditto, '66.

Dew point, mean position of three ditto, 45·21°.

Solar intensity, mean of max. temperature, 121·60°.

Terrestrial radiation, mean of min. temp., 38·36°.

Rainfall, 3·23 inches.

Evaporation, 5·90 inches, in excess of rainfall, 2·67in.

Clouds, mean amount of three daily registers, 5·84.

Ozone, mean amount of two ditto, 7·01.

Wind, force in lbs. per square foot, amount of three ditto, 102 lbs. total.

Wind, horizontal movement, 3410 miles.

Electricity, 52 observations : 39 negative, 3 positive, 10 nil.

W. E. SHOBRIDGE,
Valleyfield.

Rainfall at Hill Station, 1550 feet above sea level, 4·04 inches.