

MARCH, 1875.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		Rain in Inches.
	Highest.	Lowest.	Highest in shade.		Lowest in shade.		Direction from three daily re- gislers.	Force in lbs. per square foot.	
			°	°	°	°			
1	30.041	29.925	83	50	113.0	43.5	NW SE	1.04	0.07
2	29.871	29.763	72	63	112.0	43.5	W SE	1.04	
3	29.668	29.397	79	57	105.5	49.0	NW N SW	1.21	
4	29.910	29.642	69	52	98.0	50.5	NW SW	5.99	0.08
5	30.079	30.053	75	45	110.0	39.0	N NW	7.80	
6	30.179	30.124	74	52	107.0	46.0	SW NW S	.52	
7	30.065	30.039	71	58	108.5	49.5	NE SE	.26	0.07
8	30.007	29.878	96	59	112.0	52.0	SE	.52	
9	29.885	29.807	90	57	121.5	52.0	NW	1.04	
10	29.764	29.674	84	64	97.0	56.0	NW	.26	0.05
11	30.074	30.024	73	53	76.0	50.0	S SW	.78	
12	29.924	29.876	68	53	87.0	49.0	NW SE SW	1.04	
13	30.034	29.894	76	47	108.0	43.0	NW SE	1.30	0.03
14	29.615	29.404	92	56	110.5	55.0	NW SW SE	10.42	
15	29.706	29.665	66	44	98.0	40.0	NW SW	7.80	
16	29.880	29.796	70	55	97.0	50.0	NE NW	3.12	0.22
17	29.917	29.859	77	46	103.0	41.5	NW SE	3.12	
18	29.886	29.847	76	49	108.0	43.5	SW W	.78	
19	29.735	29.568	71	56	96.0	50.0	NW W	3.12	13.02
20	30.065	29.948	72	46	89.5	40.0	SW	13.02	
21	30.077	30.030	70	46	102.0	42.5	NW	3.38	
22	30.079	29.967	69	50	101.0	45.0	NW SE	.78	10.42
23	30.094	30.054	74	54	102.0	44.0	SW NW	.52	
24	30.196	30.151	76	51	107.0	44.0	NW SE	.52	
25	30.196	30.121	74	50	102.0	44.0	NW SE	.52	1.04
26	30.076	30.001	76	52	108.5	47.0	NW NE SW	.26	
27	29.856	29.642	80	54	113.0	49.0	NW SW	10.42	
28	29.836	29.757	86	61	113.0	55.0	NW SW	1.04	.52
29	30.152	30.125	73	49	93.0	42.5	NW SE	.52	
30	30.214	30.165	71	48	98.0	42.5	NW SE	1.04	
31	30.176	30.129	74	55	104.0	50.0	NW SW SE	1.04	
Mean monthly 29.929			65.09	103.60	48.66		Total Force	90.32	0.52

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 Linds 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, 29.929in., being .052in. above the average.

Temperature mean, 65.09°, being 5.17° above the ditto.

Solar intensity mean, 103.60°, being 0.10° above the ditto.

Dew point mean, 50.4°, being 1.18° above the ditto.

Humidity of air mean, .63, being .08 per cent. below the ditto.

Elastic force of vapour mean, .388, being .031 per cent. above the ditto.

Total amount of rain, .52in., being 1.08in. below the ditto.

Increase of spontaneous evaporation on rain-fall, 4.83in.

Mean amount of ozone, 5.13, being 1.93 of chromatic scale below ditto.

Mount Wellington covered with fresh snow on the 20th.

By analysing the table for March of the present year and that for April as far as it has gone, and comparing the results with those of the corresponding periods in former years, the increasing dryness of the seasons in Tasmania will be brought prominently under notice. To counteract this deficiency of moisture, irrigation would of course be the remedy, and fortunately our lakes and rivers afford every facility for carrying this out to any extent that might be required. If this, however, were found from any cause to be impracticable, it might be well to consider if planting trees on a large scale, as practised elsewhere, should not be now urged upon the attention of the public.

FRANCIS ABBOTT.

Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens during the Month of March, 1875.

- 10th.—Tips of Hornbeam turning brown.
 14th.—Coe's Golden Drop Plum ripe. Seckle Pear ditto.
 17th.—Tips of Elm turning yellow.
 20th.—Horse Chestnut leaves turning brown.
 24th.—Ash leaves commenced to fall.
 25th.—Oak ditto ditto.
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The following are the results of the observations made at New Norfolk during the month :—

Barometer mean of three daily readings, corrected and reduced, 30·088in.
 Thermometer mean of three daily readings, 61·57°.
 Elastic force of vapour mean of ditto, '388.
 Humidity mean of ditto, '72.
 Dew point mean position, 51·3°.
 Solar intensity mean of maximum temperature, 129°.
 Clouds mean amount of three daily observations, 5·27.
 Ozone mean of two ditto, 7·4.
 Terrestrial radiation mean of minimum temperature, 43·41°.
 Rainfall, '58in.
 Spontaneous evaporation, 5·32in. ; in excess of rainfall, 4·741
 Wind force total of three ditto, 121·87 lbs.

Valleyfield.

W. E. SHOOBRIDGE.