

METEOROLOGY FOR MARCH, 1877.
PRIVATE OBSERVATORY, HOBART TOWN.
 Latitude 42° 25' 13" S.; Longitude 9h. 49m. 29.-2s. E.
 (Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for instrumental error and to mean sea level.		Thermometers (Reading.)		Thermometer Self-Registering.		Relative Humidity. Per cent		Clouds.		Wind.		Rain in Inches.		Spon. Evap.	Ozone. Chron. Scale.							
	7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Fahrenheit, 4 30 p.m.	Highest in Sun, 4 30 p.m.	Highest in Shade, 4 30 p.m.	Lowest on Grass, 7 30 a.m.	7 30 a.m.	4 30 p.m.	Character.	Amount.	Character.	Amount.			Direction from.	Force in lbs. per square foot.	Direction from.	Force in lbs. per square foot.	7 30 a.m.	7 30 a.m.	7 30 a.m.
1	29.672	29.700	12.0	54.0	76.5	104.5	76.0	45.0	81	52	0	0	K	4.0	W	.26	N	.52	.25	5	5.5	5.0	
2	29.662	29.713	12.5	55.0	55.0	95.0	75.0	44.5	81	81	KS	8.0	K	5.0	W	.0	SW	.0	.0	0	4.0	4.0	
3	30.020	30.018	8.0	47.0	58.0	75.5	68.0	39.5	86	94	K	8.5	KN	7.5	NW	.0	NW	2.00	.20	0	3.5	3.5	
4	29.979	29.997	13.0	56.0	63.0	95.0	75.0	42.0	70	52	N	7.0	K	3.0	W	2.60	NW	.0	.01	0	4.0	4.0	
5	30.303	30.001	11.0	52.0	61.5	90.5	68.5	40.0	69	77	K	7.5	KN	7.0	NW	.52	NW	2.60	.0	0	3.5	3.5	
6	30.195	30.192	7.5	46.0	65.0	98.5	73.0	37.0	79	54	K	5.0	K	3.5	W	.0	SE	.52	.02	0	4.5	4.5	
7	30.291	30.192	8.0	47.0	68.0	102.0	78.0	38.0	66	64	KS	4.5	K	2.0	W	.26	SE	.0	.01	0	3.5	3.5	
8	30.079	29.933	12.5	54.5	72.0	100.5	75.0	40.5	87	74	KS	4.5	K	7.0	NW	.26	S	.26	.0	0	4.0	4.0	
9	30.151	30.192	13.5	57.0	67.0	107.0	72.5	42.0	76	64	N	10.0	K	5.5	SE	.0	SE	.52	.0	0	5.0	5.0	
10	29.918	29.889	16.0	61.0	64.0	105.5	77.0	45.5	88	77	K	7.5	K	8.0	SE	.0	SE	.52	.0	0	3.0	3.0	
11	29.851	29.839	13.5	57.0	71.0	97.0	77.0	42.0	81	51	K	4.0	K	7.0	W	.26	W	.26	.05	1.54	4.5	4.5	
12	30.074	30.187	12.0	54.0	60.0	105.0	70.0	40.5	70	54	K	5.0	K	2.0	W	.52	SE	.52	.02	0	5.0	5.0	
13	30.242	30.198	10.0	50.9	65.0	97.5	76.0	43.0	86	73	K	9.0	K	7.0	SW	.0	SE	.0	.0	0	4.0	4.0	
14	30.054	29.874	11.0	52.0	70.0	98.0	73.0	44.0	80	57	KS	6.5	K	9.0	NW	.0	NW	.52	.0	0	3.5	3.5	
15	29.924	29.907	11.5	53.0	59.0	95.5	71.0	42.5	86	71	KN	10.0	K	6.5	S	.0	S	.52	.01	0	5.0	5.0	
16	30.080	30.220	10.0	50.0	57.0	70.0	64.0	40.0	8	66	K	10.0	K	9.0	W	.0	S	.26	.0	0	4.0	4.0	
17	30.366	30.350	10.5	51.0	65.0	100.0	72.0	40.5	86	63	K	4.0	0	.0	S	.0	SE	.0	.0	0	5.0	5.0	
18	30.369	30.364	9.0	49.0	66.0	98.0	73.0	39.0	80	56	0	0	KS	6.0	W	.0	SE	.0	.0	0	4.0	4.0	
19	30.268	30.160	13.5	57.5	67.0	83.5	68.5	44.0	83	68	N	10.0	K	7.5	S	.0	N	.0	.01	0	5.0	5.0	
20	30.269	30.245	13.0	56.0	62.0	100.0	76.0	43.5	87	82	K	4.0	K	9.0	NW	.26	SE	.52	.0	0	1.90	4.0	
21	30.328	30.303	12.0	54.0	61.0	88.5	68.0	42.0	87	72	KN	10.0	0	.0	S	.0	SE	.26	.0	0	5.0	5.0	
22	30.292	30.207	8.0	47.0	61.0	91.0	68.0	36.0	93	77	K	10.0	0	.0	SW	.0	S	.52	.0	0	5.0	5.0	
23	30.174	30.086	13.5	56.5	70.0	110.0	81.5	41.5	87	61	0	0	0	.0	NW	.26	S	.52	.0	0	4.5	4.5	
24	30.129	30.125	11.5	53.0	63.0	100.0	73.0	39.5	87	82	0	0	K	7.0	SW	.0	SE	.26	.0	0	2.0	2.0	
25	30.021	29.817	13.5	56.5	77.0	98.5	84.0	42.0	87	71	0	0	KS	10.0	NW	.26	S	.0	.0	0	6.0	6.0	
26	29.836	29.790	15.0	59.5	70.0	97.0	80.0	44.5	82	65	K	7.5	K	10.0	SE	.0	S	.52	.0	0	3.5	3.5	
27	29.787	29.640	16.5	62.0	77.5	116.0	84.5	46.0	94	47	KN	9.0	K	3.0	SE	.0	W	.0	.05	0	5.0	5.0	
28	29.707	29.855	14.5	58.5	61.0	100.0	78.0	40.0	94	82	K	3.0	K	7.0	S	.0	SE	.0	.0	0	4.0	4.0	
29	29.992	29.789	8.0	47.0	68.0	90.5	71.0	33.5	86	56	KS	7.0	K	7.5	NW	.0	W	2.60	.02	0	5.0	5.0	
30	29.924	30.033	14.0	56.0	56.0	85.0	68.0	41.0	70	70	K	8.0	K	6.0	NW	.52	W	.26	.0	0	4.5	4.5	
31	30.302	30.297	6.0	43.0	59.0	95.0	68.0	34.0	84	51	KS	6.0	K	2.0	NW	.52	SE	.52	.0	0	1.17	5.0	

Mean Press.	Mean	M'n. Tem.	Mean.	Mean	Mean	Mean.	Mean for Month.	Mean Force ...	36 lbs.	TL.	TL.	TL.
30.049	11.63	59.23	90.71	73.60	41.23	75	5.69	2.60	"	.65	4.70	134.50
Greatest do.	Max.	...	Max.	Max.	Max.	...	Prev. Character, K, KS & KN.	Greatest Force	2.60	"	..	..
30.369	16.50	...	116.00	84.50	46.00	...	Least Force	0	"	..	..	Mean 4.34
Least do.	Min.	...	Min.	Min.	Min.	...	Prevailing Direction.	S.E., S., W., N.W.	..	..	..	..
29.640	6.00	...	75.50	64.00	34.00	..	...	..	..	..	..	..

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adapted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily registers, not from the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in lbs. per square foot.

The relative quantity of rain that fell under the different winds is registered each morning at 7.30 a.m.

The 35 years' standard tables are used for obtaining the difference from average.

FRANCIS ABBOTT, F.R.A.S., etc.

Time of leafing, flowering and fruiting of a few standard plants in the Royal Society's Gardens during the month of March, 1877.

- 5th. Tips of Hornbeam turning yellow.
- Coe's Golden Drop Plum ripe.
- 7th. Seckle Pear commencing to ripen.
- 16th. Horse Chestnut leaves turning yellow.
- 20th. Ash leaves commencing to fall.
- 25th. Oak leaves commencing to fall.

F. ABBOTT, JUN., Superintendent.

Results of observations taken at New Norfolk for March, 1877, in accordance with new forms, and registered at 7.30 a.m. and 4.30 p.m. :-

Barometer, mean of 2 daily readings, corrected and reduced, 30.102in.

Thermometer, mean of 2 ditto, 60.69deg.

Ditto, mean of maximum and minimum in shade, 61.01deg.

Dew point, mean of 2 daily readings, 51.25deg.

Elastic force of vapour, mean of 2 ditto, .378.

Humidity, mean of 2 ditto, .72.

Solar intensity, mean of maximum temperature, 130.74deg.

Terrestrial radiation, mean of minimum temperature, 40.87deg.

Rainfall, .34in.

Evaporation, 5.86in. : in excess of rainfall, 5.52in.

Clouds, mean amount of 2 daily registers, 5.17.

Ozone, mean of 2 daily registers, 7.43.

Wind, force in lbs. per square foot, total of 2 daily observations, 43.42lbs.

Horizontal movement, 3,030 miles.

Electricity, 62 observations, 37 positive, 8 negative, 17 nil.

W. E. SHOBRIDGE, Valleyfield.

Rainfall at Hill Station, 1,550ft. above sea level, .76in.

March began, like January and February, with cold stormy weather, the heaviest fall of rain .09 inch, being on the 2nd. For a week it was windy and drying, and then it set in with the usual dry warm March weather, occasionally threatening rain, but passing off in very light showers and light thunderstorms in surrounding districts. On 27th a heavy thunderstorm passed across to the Huon district without affecting the Derwent Valley.

Rain fell on six days to the amount of .34 inch, being the smallest amount registered in any month during the last four years, making up 3.06 inch this year to 3.02 inch to same time in 1876, 4.12 inch in 1875, and 3.91 inch in 1874.

The mean temperature 61° 01', was slightly higher than last year, the solar intensity 130° 74, 1 degree higher, but more even, the highest maximum being 144° on 26th, and the lowest 105° on 19th.

The terrestrial radiation was 2 degrees lower than last March, with white frosts on 7th, 18th, and 31st.

W. E. SHOBRIDGE.

New Norfolk,
2nd April, 1877.