

METEOROLOGY FOR MARCH, 1878.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 9h. 49m. 29.2s. E.
(Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for temperature instrumental error, and to mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)			Relative Humidity.		Clouds.		Wind.		Rain in Inches.	Spon. Evap.	Ozone. Chrom. 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.	7 30 a.m.	4 30 p.m.												
	Per cent		Character.	Amount.	Character.	Amount.	Direction from.	Force in lbs. per square foot.	Direction from.	Force in lbs. per square foot.														
1	30	210	30	130	15.0	60.0	63.0	95.0	75.0	44.0	94	66	KN	10.0	K	7.5	S	0	E	.26			5.0	
2	29	945	29	820	18.5	65.5	88.0	125.0	90.0	44.5	62	39	K	10.0	K	4.0	NW	.52	NW	.52			5.0	
3	29	847	29	979	20.0	68.0	63.0	116.0	86.0	45.5	67	88	K	6.0	KN	10.0	N	.52	SE	.52			3.0	
4	30	124	30	405	13.5	57.0	74.0	105.0	78.0	40.5	87	74	KN	10.0	0	0	S	0	S	.52		.06	6.0	
5	29	755	29	907	17.0	63.0	66.0	110.0	78.0	42.0	78	60	K	7.0	K	7.0	S	0	W	2.60			3.0	
6	30	242	30	152	8.0	47.0	64.0	112.0	69.0	33.5	79	63	K	7.5	K	4.0	NW	.26	SE	.26			3.0	
7	30	053	29	899	10.5	50.5	61.0	110.0	73.0	37.0	80	77	K	6.5	K	6.0	NW	0	E	.26			5.0	
8	29	871	29	646	13.5	57.0	72.0	107.0	72.0	51.0	71	68	KN	10.0	K	5.0	S	2.60	NW	2.21			3.0	
9	29	832	29	902	10.5	51.0	60.0	101.0	68.0	45.0	69	59	KN	10.0	K	5.0	S	2.60	NW	2.21			4.5	
10	29	824	29	821	16.0	61.0	67.5	114.0	75.0	48.0	72	64	K	10.0	K	10.0	N	2.60	NW	.25		1.43	7.0	
11	29	646	29	705	10.5	51.5	71.5	110.0	77.0	48.5	86	64	K	5.0	K	.2	W	.52	E	.26			2.0	
12	29	732	29	795	16.0	61.0	75.0	114.0	79.0	50.0	82	49	K	3.0	K	3.0	K	4.0	NW	.52	NW		5.0	
13	29	877	29	683	12.0	56.0	75.0	112.0	81.0	42.0	81	55	K	7.0	K	10.0	NW	.26	N	2.60			2.0	
14	29	764	29	663	15.0	60.0	66.0	110.0	74.0	44.5	76	73	K	10.0	K	0.0	N	.26	S	.52			2.5	
15	29	925	29	889	11.5	53.0	61.0	112.0	70.0	40.0	86	67	K	7.0	K	3.0	NW	0	SE	.52			2.0	
16	29	774	29	759	12.5	55.0	60.0	90.0	69.0	42.5	81	58	N	10.0	K	5.0	S	2.60	NW	2.60			2.5	
17	30	184	30	262	10.0	50.0	59.0	98.0	64.0	40.5	63	54	N	7.0	K	3.5	SW	0	NW	.52			3.0	
18	30	205	30	160	6.5	44.0	63.0	90.0	60.0	38.5	79	55	K	5.0	K	4.0	W	0	NW	.52			5.5	
19	29	940	30	007	10.0	51.0	62.0	86.0	67.0	42.0	80	67	K	7.5	K	9.0	SW	.52	NW	2.60			3.0	
20	29	929	29	810	12.5	55.0	62.0	78.0	64.0	43.0	75	62	K	10.0	K	9.0	NW	0	S	5.21			2.5	
21	30	184	30	158	10.5	51.0	62.0	103.0	78.0	41.0	69	62	K	7.0	K	5.0	S	0	S	5.21			5.0	
22	30	200	30	235	8.0	47.0	65.0	110.0	72.0	36.5	86	67	K	9.0	K	5.0	NW	0	S	5.21		1.63	5.0	
23	30	235	30	067	11.0	51.0	77.0	115.0	81.0	39.0	80	59	0	0	K	4.0	NW	.26	NW	0			4.5	
24	30	867	29	875	14.0	58.0	72.0	115.0	84.0	42.0	72	43	K	1.0	0	0	N	0	NW	2.60			2.5	
25	30	037	29	907	9.0	49.0	62.0	107.0	73.0	39.5	86	64	0	0	0	0	W	.26	NW	0			4.0	
26	29	636	29	438	15.5	60.0	69.0	112.0	82.0	43.0	80	88	K	10.0	K	9.0	NW	0	N	0			3.0	
27	29	472	29	459	11.0	56.0	62.0	82.0	71.0	40.0	65	67	K	9.0	K	9.0	N	.26	NW	0			4.0	
28	29	470	29	738	14.0	58.0	68.0	108.0	73.0	42.0	82	56	K	7.5	K	4.0	NW	.52	W	2.60	.01		4.0	
29	29	949	29	857	11.0	52.0	69.0	108.0	75.0	40.0	80	73	K	10.0	K	7.5	NW	0	S	0			2.0	
30	29	671	29	665	12.0	54.0	60.0	100.0	71.0	41.0	93	88	K	4.0	K	5.5	N	.52	S	.52	.30		5.5	
31	29	826	29	813	13.0	56.0	56.0	93.0	64.0	42.0	81	87	K	10.0	N	10.0	SW	0	S	.26	.03	.43	3.0	
	Mean Press.	29.57	Mean	12.71	M'n. Tem.	60.83	Mean.	104.41	Mean	74.10	Mean	42.37	Mean.	72	Mean for Month.	6.50	Mean Force	75lb.	TL.	51	TL.	3.49	TL.	117.0
	Greatest do.	30.299	Max.	20.00			Max.	125.00	Max.	90.00	Max.	51.00			Prev. Character,	K	Greatest Force	5.21 lb.					Mean	3.80
	Least do.	29.438	Min.	6.50			Min.	78.00	Min.	64.00	Min.	36.50					Least Force.	0						
																	Prevailing Direction.	NW, S.						

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adopted 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, 1878.

- 10th.—Tips of Hornbeam commencing to turn brown.
- 12th.—Coe's Golden-drop Plum ripe.
- 14th.—Seckle Pear commencing to ripen.
- 18th.—Tips of Elm commencing to turn yellow.
- 20th.—Horsechestnut leaves turning brown.
- 24th.—Ash leaves commencing to fall.
- 30th.—Oak leaves ditto. Acorns ripe.

F. ABBOTT, JUN., Superintendent.