

METEOROLOGY FOR JANUARY 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 for 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.	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.				
1	29	710	29	710	17.5	53.5	58.0	102.0	78.0	40.5	67	100	KN	10.0	N	10.0	N	.26	S	2.60	.40	4.0		
2	29	910	29	821	19.5	51.0	53.5	79.5	78.0	37.0	74	70	KN	8.5	N	9.0	W	.52	E	.26	.05	6.0		
3	29	932	29	907	12.0	54.0	61.0	85.5	88.5	40.0	83	82	KN	10.0	K	10.0	W	.0	E	.26	.02	6.5		
4	29	838	29	705	14.0	58.0	66.0	98.5	75.0	42.5	82	73	K	6.0	K	4.0	W	.26	W	2.60	4.0	4.0		
5	29	527	29	438	11.0	56.0	76.0	103.0	77.5	40.0	81	58	K	10.0	KS	6.0	W	.0	W	2.60	.03	6.0		
6	29	265	29	271	17.5	64.0	64.0	97.0	76.0	44.5	59	67	KS	9.0	KS	7.0	W	5.21	W	.26	.17	3.5		
7	29	749	29	844	12.5	55.0	73.0	110.5	73.0	40.0	70	53	K	9.0	K	2.0	NW	.26	W	2.60	4.0	4.0		
8	29	729	29	694	13.5	57.0	67.5	99.5	73.0	42.0	61	49	KS	9.0	K	6.0	N	5.21	S	.52	.01	4.5		
9	29	832	29	807	11.5	53.0	64.0	84.5	68.5	38.5	69	55	K	5.0	K	9.0	N	.52	W	.52	.50	5.0		
10	29	840	29	548	10.5	51.0	65.0	99.0	72.0	37.0	74	72	K	9.0	N	10.0	NW	.0	W	2.60	.12	1.80		
11	29	412	29	454	13.5	57.5	65.0	96.0	72.0	49.5	61	51	K	3.5	K	4.0	SW	5.21	SW	2.60	.02	6.0		
12	29	782	29	905	11.5	53.0	62.5	87.5	69.0	47.0	69	55	K	6.0	K	7.5	W	.0	S	.0	.01	4.5		
13	29	964	29	847	9.0	48.5	70.5	95.0	73.5	39.5	79	61	0	.0	K	4.0	N	.0	SE	.52	3.0	3.0		
14	29	913	29	972	16.0	61.0	67.0	100.5	77.0	42.0	58	64	K	3.0	0	.0	S	.52	SE	.52	2.5	2.5		
15	30	044	29	841	11.5	53.0	73.0	109.0	76.0	39.5	57	61	0	.0	KS	3.0	N	.0	SE	2.60	3.0	3.0		
16	29	564	29	485	16.5	62.0	68.5	85.0	83.0	42.0	72	73	K	9.0	K	10.0	W	2.60	SE	.52	4.0	4.0		
17	29	724	29	704	15.0	59.0	63.0	88.5	74.0	40.0	58	63	K	4.0	KN	7.0	SW	.26	SE	.52	3.5	3.5		
18	29	771	29	665	13.0	56.0	72.5	119.0	83.5	38.5	75	61	0	.0	K	7.5	NW	.26	W	.26	2.5	2.5		
19	29	874	29	752	12.5	55.0	65.0	96.5	74.0	40.0	65	55	K	4.0	K	5.0	W	.26	W	2.60	4.0	4.0		
20	29	779	29	618	12.0	54.0	63.0	82.0	69.0	40.0	65	63	K	5.5	KN	7.5	W	2.60	W	.26	3.0	3.0		
21	29	703	29	702	12.0	54.0	69.0	90.0	69.0	40.0	65	52	K	7.5	K	7.0	N	.52	SW	.26	3.0	3.0		
22	29	625	29	750	14.0	57.5	60.0	85.5	70.0	42.5	66	71	K	10.0	KN	8.0	W	.0	NW	2.60	.13	3.5		
23	29	876	29	864	14.0	57.5	70.0	83.0	71.5	42.0	71	56	K	5.0	KS	7.0	W	2.60	SW	.52	5.0	5.0		
24	29	876	29	786	14.0	58.0	69.0	90.0	73.0	41.5	61	56	K	10.0	KS	10.0	N	2.60	W	2.60	3.0	3.0		
25	29	791	29	699	13.0	56.0	66.5	107.0	72.0	39.5	57	52	K	6.0	K	7.5	N	.52	W	2.60	3.5	3.5		
26	29	585	29	672	12.0	54.0	58.0	88.5	63.0	38.0	59	57	K	3.0	K	4.0	SW	5.21	SW	2.60	4.0	4.0		
27	29	945	30	058	10.0	50.0	59.0	99.0	63.0	34.0	68	61	K	7.0	KN	8.0	W	.52	SE	.52	.06	6.5		
28	30	065	30	033	10.5	51.0	67.0	97.5	73.0	40.0	69	60	K	3.0	KS	1.0	N	.52	SE	2.60	.03	4.0		
29	29	834	29	644	11.5	52.5	67.5	98.5	83.0	41.5	75	52	0	.0	K	3.5	W	.26	N	.26	3.5	3.5		
30	29	672	29	736	16.0	61.0	72.0	97.5	80.5	46.0	58	50	K	3.5	K	7.0	N	2.60	S	.52	5.5	5.5		
31	29	713	29	533	16.5	62.0	77.0	107.0	89.0	46.5	62	40	K	7.0	K	5.5	N	.52	NW	2.60	2.22	2.22		
		Mean Press.	2.747	Mean	13.37	M'n. Tem.	61.03	Mean.	Mean	Mean	Mean	Mean	Mean.	6.0	Mean for Month.	Mean Force ...	1.33 lbs.	Tl.	Tl.	Tl.	1.05	6.00	129.00	
		Greatest do.	30.095	Max.	17.50	Max.	Max.	Max.	Max.	Max.	Prevailing Character, K.	Greatest Force	5.21 "	Mean	4.76
		Least do.	29.265	Min.	9.00	Min.	Min.	Min.	Min.	Prevailing Direction.	W. and S.W.

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 January, 1877.

- 12th. *Veronica angustifolia* in flower.
- 12th. First ripe Apricot gathered (Royal).
- 13th. *Grevillea robusta* in full flower.
- 15th. Jargonell Pear ripe.
- 20th. Black Mulberry commencing to ripen.

F. ABBOTT, JUN., Superintendent.