

METEOROLOGY FOR FEBRUARY, 1878.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude $42^{\circ} 52' 13''$ S.; Longitude 9h. 49m. 20.2s. E

(Registered for the Royal Society of Tasmania.)

Day of Month.	Bar corrected for temperature, instrumental error, and sea level.		Thermometers (Reading.)		Thermometers (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.						
1	29	840	29	869	18.5	65.5	69.0	113.0	83.0	39.5	83	83	K	N	7.5	K	5.0	N	0	SE	.52	.36				4.0	
2	30	064	30	055	13.5	56.5	62.0	98.0	78.0	34.5	93	72	N	N	10.0	NK	9.5	N	0	S	.26	.03				6.0	
3	30	130	30	062	15.5	60.0	63.5	83.5	74.0	37.5	77	88	K	K	10.0	K	9.0	N	.26	SE	0	.63				6.0	
4	30	130	30	219	13.5	57.0	53.0	63.0	63.0	36.0	100	100	N	N	10.0	N	10.0	S	.52	N	2.00	.22				6.0	
5	30	436	30	412	11.9	52.0	58.0	84.0	64.0	32.5	74	71	K	K	10.0	K	10.0	SE	.62	S	.52	.01				7.0	
6	30	408	30	102	12.5	55.0	70.0	110.0	75.0	34.5	70	61	K	K	10.0	0	0	NW	0	S	.52					4.5	
7	30	296	30	249	11.0	56.0	65.0	100.0	78.0	35.0	87	72	K	K	10.0	K	2.0	SW	0	SE	.52					5.0	
8	30	273	30	230	14.0	58.0	71.0	114.0	77.0	38.5	76	57	K	K	10.0	0	0	S	0	S	.52						3.0
9	30	220	30	190	12.5	55.0	67.0	105.0	73.0	36.0	81	58	K	K	7.5	K	3.0	S	0	SE	2.60						2.5
10	30	065	29	870	17.0	63.0	70.0	114.5	84.0	38.5	72	63	K	K	5.5	K	4.5	NW	.26	SE	.52	1.00	1.44				4.0
11	29	704	29	706	17.0	63.0	59.5		79.0	33.0	100	72	N	N	10.0	N	10.0	SE	.26	S	2.60	.37					4.0
12	29	026	29	065	13.0	56.0	62.0	85.0	70.0	35.0	81	77	K	K	10.0	K	10.0	NW	0	S	.26	.01					6.0
13	30	374	29	975	13.5	56.5	70.0	95.0	75.0	35.5	87	73	K	K	7.5	K	6.5	N	0	S	.26	.54					4.0
14	29	041	30	034	12.0	54.0	55.0	95.0	72.0	34.0	87	87	K	N	7.0	K	10.0	N	.52	SW	5.21						2.5
15	30	206	30	256	8.0	47.0	64.0	100.0	63.0	33.0	79	63	K	K	10.0	K	3.5	NW	.26	S	.52						3.0
16	30	374	30	254	10.0	50.0	70.0	116.0	75.0	37.5	86	64	0	0	0	0	0	NW	.26	SE	.52						3.0
17	30	340	30	133	14.0	58.0	80.5	120.0	83.0	40.2	81	53	K	K	10.0	K	8.0	N	2.60	E	0						2.0
18	30	060	29	871	17.0	62.0	82.0	127.0	85.0	45.0	73	60	N	N	10.0	K	5.0	N	.26	NE	.26	.85					5.0
19	30	054	29	596	17.0	63.0	63.0	100.0	83.0	47.0	94	64	K	K	9.0	K	10.0	NW	0	NW	.52	.04					6.0
20	29	831	29	854	13.5	57.0	65.0	96.0	73.0	42.5	76	63	K	K	10.0	K	7.0	NW	.52	NW	.52						3.0
21	29	820	29	748	13.0	55.0	75.0	114.0	77.0	41.5	75	66	K	K	3.0	K	4.0	N	.52	NW	.26						5.0
22	29	712	29	517	14.0	53.0	86.0	123.0	88.0	40.5	76	36	K	K	10.0	K	9.0	NW	.52	NW	2.60	.45					2.0
23	29	424	29	441	17.5	64.0	67.0	114.0	83.0	42.0	83	60	K	K	5.0	K	8.0	N	0	NW	2.60						5.0
24	29	534	29	957	10.0	51.0	61.0	90.0	76.0	30.0	69	62	K	K	10.0	K	6.0	N	.52	NW	2.60						5.0
25	30	074	30	141	13.5	57.0	69.0	110.0	72.0	42.0	76	63	K	K	3.0	K	3.5	NW	.52	NW	0						7.0
26	30	241	30	240	12.5	55.0	69.0	98.0	75.0	40.0	87	73	K	K	3.5	0	0	S	.26	SE	.52						2.5
27	30	270	30	211	13.5	57.0	75.0	120.0	79.0	41.0	87	66	KS	K	5.0	0	0	W	0	SE	0						3.0
28	30	207	30	128	16.0	62.0	73.0	124.0	90.0	42.0	77	53	K	K	4.0	K	4.0	N	.26	S	.52		1.25				4.5
Mean for Month.																Mean Force				TL	TL	TL					
6.73																.67 lb.				4.51	3.20	120.5					
Prev. Character, K																Greatest Force				Mean							
																5.21 lb.				4.30							
Least do.																Least Force.											
29.42																0											
Prevailing Direction.																											
NW. S.																											

The Meteorological form brought into use at the beginning of 1870 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 January, 1878.

Sth.—Kerry Pippin commencing to ripen.

12th.—Windsor pear commencing to ripen.

16th.—Bon Chretien pear commencing to ripen.

18th.—Greengage commencing to ripen.

27th.—Ash commencing to shed seed.

28th.—Sycamore commencing to shed seed.

F. ABBOTT, JUN., Superintendent.