

METEOROLOGY FOR FEBRUARY, 1870.

PRIVATE OBSERVATORY, HOBART TOWN.
Latitude 42° 52' 13" S.; Longitude 164° 46m. 20 2s. E.
(Registered for the Royal Society of Tasmania.)

Day of Month	Thermometers		Thermometers		Wind.		Clouds.		Relative Humidity		Rain in Inches										
	(Reading.)		(Self-Registering.)				(0 to 10)		(Percent)		Spun. Evap. Ounce.										
											Climat. Scale.										
	Bar. corrected for instrumental error, and to mean sea level																				
7 30 a.m.	Centigrade.		Fahrenheit.		Direction from.		Force in lbs. per square foot.		Amount.		7 30 a.m.										
4 30 p.m.	7 30 a.m.		4 30 p.m.		Force in lbs. per square foot.		Character.		Amount.		4 30 p.m.										
7 30 a.m.	Highest in Sun.		Highest in Shade.		Lowest on Grass.		Direction from.		Amount.		7 30 a.m.										
4 30 p.m.	7 30 a.m.		4 30 p.m.		Lowest on Grass.		Direction from.		Amount.		4 30 p.m.										
1	40.039	29.975	11.5	65	76	110	76	40	N	0	SW	2.60	K	5	K	0	0	51	73	0	7
2	40.009	30.025	10.5	61	73	110	72	40	NW	0	NW	0	K	3	5	0	0	74	68	0	5
3	39.979	29.929	10.5	61	72	105	70	30	N	2.0	SE	5.2	K	6	6	0	0	51	63	0	5
4	39.954	29.781	18	64	74	110	80	40	NW	0	S	10	K	10	K	10	73	70	60	0	7
5	39.912	29.969	17	63	79	122	90	30	NW	0	SW	10.42	K	10	K	5	74	59	0	7	
6	39.974	29.960	13	56	65	119	79	37	S	0	SE	0	K	10	K	10	51	69	0	7	
7	39.943	29.901	15	60	71	130	78	40	SW	5.8	SE	2.00	KN	6	7	0	70	69	0	7	
8	39.871	29.882	13	56	68	88	74	35	E	0	S	5.2	K	10	K	8	81	69	0	7	
9	39.129	29.172	13	56	70	120	74	30	NW	2.60	SE	4.4	K	12	0	0	62	62	0	7	
10	39.979	29.944	12.5	55	80	153	78	30	N	2.00	N	2.00	KN	4	4	0	70	69	0	170	
11	39.762	29.884	13.0	57	75	135	90	38	NW	0	NW	0	K	4	K	3	68	65	0	10	
12	39.958	29.804	13	56	70	120	75	39	W	5.2	W	5.2	KN	5	3	0	60	42	25	7	
13	39.985	29.831	14	57	80	139	80	40	NW	5.8	SE	2.00	K	10	K	6	70	65	0	10	
14	39.868	29.847	12	54	65	120	72	40	S	0	S	5.2	K	6	K	0	60	77	0	7	
15	39.929	29.602	12	50	62	130	69	39	NW	3.8	SE	5.2	K	0	K	7	70	67	0	1	
16	39.934	29.814	12.5	55	65	120	70	38	N	0	SE	5.2	K	10	K	6	71	73	0	2	
17	39.916	29.805	11.5	53	65	150	70	37	SE	0	SE	5.2	K	5	K	8	75	67	0	3	
18	39.947	29.955	13	58	64	110	68	39	E	0	SE	0	N	10	K	10	70	70	0	3	
19	39.795	29.640	13	54	70	126	77	38	N	0	S	5.2	KN	10	K	8	70	66	0	3	
20	39.472	29.188	14	58	75	135	87	39	N	2.00	S	2.00	KN	5	8	11	64	65	0	3	
21	39.881	29.126	13	52	62	105	80	34	SW	2.00	SW	0.42	K	10	K	8	63	47	0	3	
22	39.215	29.120	13	54	60	96	72	35	W	5.2	SW	3.60	0	K	10	0	60	60	0	3	
23	39.705	29.570	10	52	54	120	65	33	W	2.00	W	2.00	K	2	K	6	65	64	0	3	
24	39.869	29.042	10	50	65	116	74	33	NW	6	S	0	K	4	K	4	66	62	0	1	
25	39.969	29.791	10	50	69	130	73	33	W	2.0	S	0	K	10	K	9	74	68	0	4	
26	39.633	29.842	13.5	55	61	130	80	36	N	5.2	NW	5.2	K	10	K	10	70	60	0	4	
27	39.645	29.673	11	53	63	134	73	33	NW	3.0	NW	5.2	K	8	K	3	64	63	0	1	
28	39.638	29.691	7.5	46	67	125	73	34	NW	6	NW	2.00	K	8	K	8	66	64	0	1	
29	39.638	29.691	7.5	46	67	125	73	34	NW	6	NW	2.00	K	8	K	8	66	64	0	1	

Mean Press 29.737	Mean M'n. Tem 12.97	Mean Max. Tem 62.32	Mean Min. Tem 120.0	Mean Max. Tem 76.30	Mean Min. Tem 57.00	Mean Force 1.31 lb.	Mean for Month. 6.59	Mean 71	TL 00	TL 470	TL 147
Greatest Bar 39.233	Max. 13.00	Max. 63.00	Max. 130.00	Max. 168.00	Max. 49.00	Greatest Force 10.42 lb.	Prev. Character. K				Mean 5.25
Least Bar 28.931	Min. 7.69	Min. 53.0	Min. 83.0	Min. 65.90	Min. 33.00	Least Force. 0					
Prevailing Direction N.W. S. and S.E.											

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 35 feet above sea level, and its force in lbs. per square foot.

The relative quantity of rain that fell under the different masts is registered each morning at 7 30 a.m.

The 55 years' standard tables are used for obtaining the difference from average.

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

Time of leaving, hoisting, and fringing of a few standard plants in the Botanic Garden during February, 1870.—
7th.—Kerry Pippin commencing to ripen.
10th.—Windsor Pear ditto.
14th.—Bon Claretin Pear ditto.
16th.—Green Gage Plum ditto.
18th.—Ash commencing to shed seed.
26th.—Sycamore ditto.

F. ABBOTT, JUN., Superintendent.