

METEOROLOGY FOR FEBRUARY, 1876.

PRIVATE OBSERVATORY, HOBART TOWN.
 Latitude 42° 52' 13" S. Longitude 149° 40m. 29.2s E
 (Registered for the Royal Society of Tasmania.)

Day of Month	Bar. corrected for instrumental error and sea level.		Thermometers (Reading)		Thermometers (Self-Registering)		Relative Humidity.		Clouds.		Wind.		Rain in inches	Spon. Evap.	Ozone. Chron. Scale.			
	7.30 a.m.	4.30 p.m.	7.30 a.m.	4.30 p.m.	7.30 a.m.	4.30 p.m.	7.30 a.m.	4.30 p.m.	7.30 a.m.	4.30 p.m.	7.30 a.m.	4.30 p.m.						
	Concords, 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.	Least on Grass, 7.30 a.m.	7.30 a.m.	4.30 p.m.	Character	Character	Amount	Direction from.				Force in lbs. per square foot	Direction from.	Force in lbs. per square foot.
1.29.94.39.005	12.0	55.0	61.0	103.0	72.5	50.0	81	72	KS	9.6	KS	5.0	SE	2.60	0	6.0		
2.29.95.39.125	12.0	61.0	68.0	95.5	69.0	49.0	87	77	K	9.0	E	7.0	NW	0	SE	62	4.5	
3.30.174.39.063	12.5	65.0	72.0	95.5	70.0	47.5	75	69	K	1.6	K	4.0	NW	.26	SE	.26	.01	
4.30.142.39.955	15.0	60.0	75.0	98.0	88.0	50.0	72	60	KS	7.5	N	10.0	N	0	SE	0	0	
5.30.085.29.512	15.0	60.0	64.0	114.0	88.5	53.5	78	60	0	0	0	0	N	.26	SE	0	0	
6.29.92.29.747	18.0	65.0	72.0	109.5	85.0	58.5	88	74	K	7.0	E	7.0	SE	0	S	52	5.0	
7.29.42.39.738	18.0	64.0	60.0	110.0	82.0	55.5	88	83	K	7.0	KS	8.0	E	0	S	52	5.5	
8.29.53.29.857	17.0	63.0	66.0	93.0	74.0	50.0	82	78	K	9.0	N	9.0	N	0	SE	.52	.25	
9.29.915.29.605	14.0	67.0	68.0	98.0	70.0	75.0	93	78	N	10.0	K	4.5	N	0	SE	.23	3.0	
10.29.267.29.377	19.0	62.0	59.0	101.0	71.0	47.0	94	65	N	7.0	N	7.5	N	0	SE	10.42	6.0	
11.29.845.29.945	9.0	49.0	62.0	94.0	73.5	39.5	73	51	KN	7.0	K	4.0	N	53	SW	6.21	5.0	
12.29.967.29.610	11.0	52.0	63.0	82.5	62.5	43.4	74	77	KN	7.0	KN	7.0	NW	36	SE	0	.02	3.00
13.29.879.29.761	12.0	54.0	74.0	115.0	81.0	44.6	81	69	0	0	K	3.0	NW	0	S	.20	3.5	
14.29.965.29.811	15.0	62.0	67.0	103.5	78.0	51.0	77	68	K	2.0	KS	3.0	N	0	SE	.52	4.0	
15.29.945.29.722	15.0	63.0	62.5	97.0	63.0	51.0	62	59	K	8.0	K	7.0	N	.26	S	2.69	.02	3.0
16.29.899.29.907	9.0	49.0	63.0	101.0	69.0	42.0	74	51	K	0.0	K	4.0	N	62	SW	.62	.01	4.0
17.29.826.29.844	13.0	67.0	68.5	111.0	76.0	51.0	71	78	K	4.0	KN	10.0	W	2.60	W	.52	4.5	
18.29.753.29.707	13.0	63.0	66.0	94.5	69.5	57.5	77	60	N	10.0	KN	3.5	NW	0	SE	.52	3.0	
19.30.08.30.072	14.0	58.0	62.5	107.0	72.0	52.0	90	63	K	7.0	K	7.0	N	0	SE	.52	4.0	
20.30.118.29.975	13.0	67.0	66.0	110.0	72.5	49.5	70	11	KS	7.0	KN	5.0	NW	.20	SE	.20	2.78	3.5
21.29.924.29.760	12.0	55.0	61.5	108.0	69.0	41.0	51	72	KN	8.0	K	7.0	SW	0	S	.52	0.4	4.9
22.29.679.30.055	13.0	54.0	60.0	93.5	68.0	45.0	75	64	KS	10.0	KN	9.0	SE	0	SE	0	0	6.0
23.29.982.29.852	10.0	50.0	63.0	110.0	71.5	43.0	80	71	K	4.0	KS	7.5	W	26	SE	.52	5.0	
24.29.550.29.308	12.0	54.0	68.0	104.0	73.0	49.5	81	73	KN	10.0	K	8.0	N	0	SE	.26	5.0	
25.29.363.29.297	10.0	50.0	58.0	109.0	78.0	42.0	74	69	K	1.0	N	8.5	N	0	W	10.42	4.0	
26.29.656.29.892	11.5	53.0	64.0	113.5	73.5	47.0	69	55	K	2.0	K	7.0	SE	5.21	S	.52	3.0	
27.30.090.30.113	8.0	47.0	63.0	104.0	69.0	33.0	93	76	0	0	KN	7.0	N	0	S	2.60	13	5.0
28.30.241.30.193	8.0	47.0	63.0	112.0	69.0	40.0	70	67	K	3.0	0	0	N	0	S	.26	5.0	
29.29.997.29.907	9.0	49.0	66.0	103.0	72.0	45.0	86	68	K	6.0	KN	10.0	N	.62	S	.20	1.24	5.5
Mean Press	Mean M ⁿ	Temp.	Mean	Mean	Mean	Mean	Mean	Mean	Mean for Month.	Mean Force.	TL	TL	Mean					
29.811	12.66	67.92	103.88	73.52	48.53	73.0	6.21	1.02			54	611	4.33					
Greatest do.	Max	Max.	Max.	Max.	Max.	Max.	Prevailing Character.	Greatest Force.										
30.241	18° 0'	84° 0'	115° 0'	88° 50'	58° 50'	94.0	K and KN	10.42										
Least do	Min.	Min.	Min.	Min.	Min.	Min.		Least Force.										
28.045	8°	47.0	82° 5'	62° 50'	40° 50'	51.0		0										

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, &c., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used to 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 thirty-five years' standard tables are used for obtaining the difference from average.

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

- 10th. — Kerry Pippin Apple commencing to ripen.
- 12th. — Windless Pear ditto ditto.
- 15th. — Bow Chretien Pear ditto ditto.
- 24th. — Green Gage Plum ditto ditto.

27th. — Ash commencing to shed seed.
 29th. — Sycamore ditto ditto.

F. ABBOTT, Jun.,
 Superintendent.

Results of observation taken at New Norfolk February, 1876, 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° 901in.

Thermometer, mean of 2 do in shade, 62° 00deg. F.

Ditto, ditto, 10° 6deg. Centigrade

Low point, mean position of 2 ditto, 50° 50deg.

Elastic force of vapour mean, of 2 ditto, .372.

Humidity mean, of 2 ditto, .67.

Solar intensity, mean of maximum temperature, 132° 56deg.

Territorial radiation, mean of minimum temperature, 42° 9deg.

Rainfall .65in.

Evaporation, 0.74in. in excess of rainfall, 6.21in.

Ozone, mean amount of 2 daily registers, 6.15.

Clouds, mean ditto, 2 ditto ditto, 4.34

Wind, force in lbs. per square foot, mean of 2, 71.44lb.

Ditto, horizontal movement, 2715 miles

W. E. SMOORHEAD,
 Valleyfield.