

# METEOROLOGY FOR NOVEMBER, 1876.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 160° 40m. 20.2s. E.

(Registered for the Royal Society of Tasmania.)

Day of month.	Bar. corrected for height of barometer and to mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)		Relative Humidity. Per cent.	Clouds		Wind.		Rain in inches.	Evap.	Gross Charon. Scale.								
	7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Centigrade, 4 30 p.m.	Fahrenheit, 4 30 p.m.		Amount.	Character.	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.	Centigrade, 4 30 p.m.	Fahrenheit, 4 30 p.m.	Amount.	Character.	Amount.	Character.	Direction from.	Force in lbs. per square foot.	Direction from.	Force in lbs. per square foot.	7 30 a.m.	7 30 a.m.	7 30 a.m.						
1	29.563	29.560	10.0	50.5	50.0	82.5	65.0	41.0	71	70	KN	10.0	N	52	W	20	02	1.0				
2	29.715	29.914	10.0	60.5	50.5	85.0	64.0	40.5	43	57	R	2.0	S	20	0	23	01	5.5				
3	29.892	29.874	10.5	51.0	51.0	81.5	63.0	40.5	63	60	OK	0.0	S	20	0	23	01	5.0				
4	29.790	29.781	10.5	51.0	72.0	73.0	74.0	40.5	74	48	KS	7.0	N	20	0	23	01	5.0				
5	29.289	29.200	14.0	55.0	40.0	41.0	81.5	73.0	44.5	61	71	K	6.0	KN	7.5	N	0	SW	0	5.5		
6	29.550	29.424	9.0	48.0	64.0	64.0	84.5	67.5	40.5	74	67	K	7.5	KN	8.0	N	20	0	5.5			
7	29.433	29.220	12.5	51.5	58.0	72.0	72.0	64.0	43.0	70	70	KN	7.5	KN	7.0	N	20	0	5.5			
8	29.440	29.520	8.0	47.0	57.0	71.5	71.5	60.0	41.5	81	65	KN	10.0	KN	6.0	N	5.21	SE	2.60	1.0	7.0	
9	29.235	29.180	12.5	54.5	57.0	78.0	78.0	65.0	50.0	70	65	KN	10.0	KN	6.0	N	5.21	SE	2.60	1.0	7.0	
10	29.300	29.432	8.0	47.0	56.0	65.5	65.5	50.5	45.0	80	70	KN	10.0	K	6.5	N	0	N	0	2.03	5.0	
11	29.740	29.630	10.0	50.0	57.0	76.0	76.0	65.0	40.0	80	70	K	6.0	KS	10.0	N	20	0	08	4.0	4.0	
12	29.210	29.240	18.0	60.0	56.0	90.0	70.0	42.5	65.0	93	83	KN	3.5	KN	8.0	NW	5.21	W	2.60	1.0	4.5	
13	29.448	29.550	11.5	52.0	62.5	81.5	81.5	68.0	40.0	60	67	K	8.0	NW	7.0	N	20	0	07	1.0	5.5	
14	29.857	29.065	10.0	50.0	63.0	103.0	63.0	30.5	74.0	97	0	K	10.0	N	0	SE	52	SE	52	0	5.0	
15	29.831	29.880	15.0	60.0	72.0	102.5	83.0	43.5	62.0	61	K	10.0	K	8.0	NW	52	SE	52	0	15	1.0	4.0
16	29.667	29.768	14.5	58.0	55.0	75.0	71.0	42.0	100	93	N	10.0	KN	10.0	N	0	W	20	0	10	5.5	5.5
17	29.088	29.007	10.5	51.0	61.5	80.0	80.0	50.0	86	83	KN	10.0	K	5.0	S	20	0	02	0	02	7.0	7.0
18	29.629	29.765	12.5	55.0	63.0	81.0	81.0	60.0	40.0	87	77	KS	10.0	KN	10.0	NW	0	N	0	38	5.0	5.0
19	29.622	29.569	14.0	56.0	62.5	80.0	80.0	43.5	70.0	94	K	8.0	KN	10.0	N	0	E	0	24	0.5	0.5	
20	29.375	29.570	12.0	54.0	57.5	72.5	72.5	64.0	40.0	93	81	KN	7.5	K	7.0	SW	2.60	E	0	29	0.5	0.5
21	29.085	29.345	11.5	52.0	55.0	68.0	68.0	45.0	80.0	67	KN	10.0	N	0	NW	0	W	0	12	0	1.0	1.0
22	29.635	29.626	11.5	52.0	63.5	92.0	69.0	44.0	74	63	K	5.0	K	7.0	N	52	N	2.03	12	6.0	6.0	
23	29.658	29.742	10.0	50.0	57.0	82.5	65.0	45.0	80.0	76	K	7.5	KN	10.0	NW	0	S	52	02	67	5.0	5.0
24	29.402	29.071	14.0	55.0	68.0	80.0	80.0	62.5	40.0	93	81	KN	10.0	K	7.0	S	20	SE	52	0	7.5	7.5
25	29.092	29.084	10.0	50.0	55.5	66.5	66.5	62.0	40.5	74	75	KN	10.0	KN	10.0	SW	52	SE	52	0	4.5	4.5
26	29.057	29.097	11.5	53.5	65.0	80.0	69.0	43.5	74	68	K	9.0	0	NW	0	SE	23	0	30	0	3.0	3.0
27	29.882	29.780	13.0	60.0	73.5	100.0	78.0	13.0	75	62	KS	3.0	KS	3.5	NW	20	S	52	07	4.0	4.0	
28	29.735	29.726	10.0	61.0	60.0	85.5	74.0	40.5	77	88	K	5.5	KN	10.0	N	25	NW	0	12	5.0	5.0	
29	29.044	29.127	11.5	53.0	62.5	90.0	69.0	42.0	64	67	E	5.0	K	5.0	NW	52	SE	52	0	4.5	4.5	
30	29.280	29.255	13.0	56.0	64.0	94.0	64.5	44.0	70	68	KS	10.0	K	1.0	W	0	S	52	0	1.21	3.5	3.5
Mean Press. 29.035		11.32 50.75		Mean 84.54		Mean 65.50		Mean 42.42		Mean 74		Mean for Month. 7.33		Mean Force, 06		TL 4.36		TL 5.07		TL 153.0		
Greatest do. 30.250		Max. 16.00		Max. 103.00		Max. 83.00		Max. 50.00		Prevailing Character.		Greatest Force, 5.21.				Mean 5.10						
Least do. 29.169		Min. 8.00		Min. 68.50		Min. 59.50		Min. 33.50		K & KN		Least Force, 0										

The Meteorological form brought into use at the beginning of 1870 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 Garden under November, 1876:—

16th. First ripe Strawberry gathered.  
24th. First May Duke Cherry ditto.  
24th. Black Mulberry in full flower.

29th. *Punica pino* commencing to flower.  
30th. First ripe Antwerp Raspberry gathered.  
Bongavillea in full bloom.  
F. ABBOTT, JUN., Superintendent.

Results of observations taken at New Norfolk for November, 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, 29.760in.  
Thermometer, mean of 2 ditto, 60° 21deg.  
Dew point, mean position of 2 daily readings, 43° 30deg.  
Elastic force of vapour, mean of 2 ditto, 342.  
Humidity of air, mean of 2 ditto, 76.  
Solar intensity, mean of maximum temperature, 121° 46deg.  
Terrestrial radiation, mean of minimum temperature, 40° 50deg.

Rainfall, 4.62in.  
Evaporation, 5.6in.: In excess of rainfall, 1° 14in.  
Clouds, mean of 2 daily registers, 5° 61.  
Gross, mean of 2 daily observations, 6° 00.  
Wind, force in lbs. per square foot, total of 2 daily observations, 85° 07lbs.  
Horizontal movement, 3,110 miles.  
Electricity, 58 observations, 33° active, 14 positive, 12 nill.  
W. E. SHOUBRIDGE, Valleyfield.