

# METEOROLOGY FOR MAY, 1878.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 149° 49m. 29.2s. E.  
(Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for temperature instrumental error, and to mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)		Relative Humidity. Per cent.		Clouds.		Wind.		Rain in Inches.	Spon. Evap.	Ozone. Chrom. 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.	7-30 a.m.	7-30 a.m.	4-30 p.m.	4-30 p.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.	7-30 a.m.	4-30 p.m.							
129	780	29	744	11.0	52.0	69.0	90.0	65.0	88.5	80	77	K	10.0	K	7.0	NW	0	NW	2.60								5.5		
229	558	29	472	13.0	59.0	56.0	90.0	66.0	40.0	65	75	K	7.0	KN	10.0	NE	2.60	NW	5.21	.01							4.0		
329	748	29	765	8.5	48.0	56.0	75.0	59.0	37.0	73	70	K	7.0	KN	8.0	N	2.60	W	2.60	.01							4.0		
429	779	29	816	13.0	56.0	57.0	94.0	66.0	40.0	61	57	K	7.0	KN	9.0	N	0	NW	5.21								4.0		
530	145	30	267	8.0	47.0	50.0	57.0	63.0	34.0	79	70	K	5.0	K	7.0	NW	0	NW	0	.05							5.5		
630	361	30	335	8.0	47.0	57.0	85.0	61.0	34.5	73	75	K	7.0	K	10.0	NW	.52	NW	2.60	.01							5.5		
730	183	30	040	10.5	50.5	62.0	78.0	68.0	37.0	69	62	KS	7.0	K	9.0	NW	5.21	NW	.52								3.0		
829	571	30	959	14.0	59.0	60.0	86.0	65.0	40.0	71	58	K	10.0	K	7.0	NW	.56	NW	.56								4.0		
929	622	29	863	14.5	60.0	49.0	75.0	61.0	40.0	71	79	K	7.0	K	10.0	NW	2.60	NW	.52								4.0		
1029	861	29	862	5.0	41.0	49.0	85.0	57.0	33.0	78	62	K	3.0	K	7.0	N	.52	NW	.26	.03	1.0						7.0		
1129	586	29	448	7.0	45.0	59.0	80.0	62.0	36.0	79	40	K	8.0	K	10.0	NW	5.21	NW	15.62	.01							6.0		
1229	484	29	488	11.5	53.0	49.0	76.0	62.0	40.5	59	93	K	8.0	K	7.0	NW	20.83	SE	0	.03							0.0		
1329	648	29	528	10.0	50.0	50.0	75.0	62.0	38.0	63	100	K	5.0	KN	7.0	NW	5.21	NW	5.21	.17							0.0		
1429	555	29	643	7.0	45.0	45.0	76.0	54.0	23.0	67	93	K	6.0	N	10.0	N	2.60	W	0	.02							4.0		
1529	973	30	190	2.0	36.0	42.0	65.0	51.0	29.5	83	85	K	5.0	K	5.0	SW	.69	S	0	.98							10.0		
1630	162	30	156	1.0	31.0	43.0	65.0	50.0	30.0	89	73	K	5.0	K	5.0	NW	.26	NW	0	.10							10.0		
1730	164	30	127	6.5	44.0	53.0	90.0	61.0	34.5	78	87	K	3.0	0	0	NW	0	NW	0	.03							6.0		
1830	295	30	242	6.0	43.0	56.0	90.0	58.0	34.5	78	87	K	10.0	K	3.0	NW	0	SE	0	.03							3.0		
1930	293	30	240	5.0	41.5	54.0	85.0	58.0	33.0	84	80	K	7.5	0	0	SW	0	N	0	.03							7.0		
2030	313	30	196	5.0	41.0	54.0	75.0	56.0	33.5	84	75	K	8.0	K	4.0	NW	.52	NW	0								6.5		
2130	232	29	938	5.5	42.0	54.0	88.0	58.0	34.0	84	84	K	10.0	KN	10.0	NW	.26	NW	0								5.0		
2230	133	30	108	7.0	45.0	48.0	65.0	53.0	35.5	86	93	K	9.0	KN	10.0	NW	0	S	0	.14							3.0		
2330	103	30	088	7.5	46.0	41.0	65.0	53.0	36.0	80	92	N	10.0	KN	10.0	S	0	SE	0	.05							10.0		
2430	068	29	965	7.5	41.0	49.0	56.0	48.5	35.5	93	86	K	9.0	K	5.0	N	0	S	.52	.02							6.0		
2529	948	29	926	6.5	44.0	51.0	74.0	54.5	34.5	86	80	K	4.5	0	0	NW	0	NW	.26								5.5		
2630	077	30	072	2.0	36.0	50.0	90.0	54.0	31.0	91	80	K	3.0	K	4.0	NW	0	NE	0								5.5		
2730	174	30	184	1.5	35.0	48.0	87.0	58.0	29.5	83	83	K	4.5	K	6.0	NW	0	NW	0								4.5		
2830	062	29	980	2.0	33.0	46.0	56.0	49.0	30.0	83	86	K	3.0	K	6.0	NW	0	NW	0								5.0		
2929	846	29	772	3.5	40.0	55.0	89.0	59.0	32.0	84	75	KS	8.0	K	6.0	NW	0	NW	.52								5.0		
3029	598	29	728	9.5	49.0	55.0	91.0	61.0	36.5	80	70	K	6.0	K	6.0	NW	.26	N	.52								5.0		
3129	788	29	780	8.0	46.5	54.0	100.0	61.0	35.5	86	74	K	9.0	K	8.0	NW	0	S	0								3.5		
Mean Press.	29.938	Mean	7.35	M'n. Tem.	48.83	Mean.	80.10	Mean	58.78	Mean	35.00	Mean	78	Mean for Month.	6.80	Mean Force	1.52 lb.	Tl.	1.72	Tl.	2.20	Tl.	168.0						
Greatest do.	30.361	Max.	14.50			Max.	100.00	Max.	63.00	Max.	40.50			Prev. Character,	K and KN	Greatest Force	20.83 lb.											Mean	5.42
Least do.	29.448	Min.	1.00			Min.	56.00	Min.	48.50	Min.	29.50					Least Force.	0												
																Prevailing Direction.	NW												

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 J BOTT, F.R.A.S., etc.

Time of leafing, flowering and fruiting of a few standard plants in the Botanic Gardens during the month of May, 1878.

15th.—First Dutch Medlar ripe.

24th.—*Coronilla glauca* commencing to flower

26th.—*Photinia serrulata*, ditto.

28th.—*Diosma alba*, ditto.

30th.—*Ailanthus glandulosus* leaves all fallen.

F. ABBOTT, JUN., Superintendent.