

**METEOROLOGY FOR OCTOBER, 1877.**  
**PRIVATE OBSERVATORY, HOBART TOWN.**  
 Latitude 42° 52' 13" S.; Longitude 9h. 49m. 29.2s. E.  
 (Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for 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.	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.	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.	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	29.801	29.736	8.0	47.0	50.0	90.0	58.0	34.0	73	68	KN	10.0	KN	7.5	NW	.52	SW	5.21			5.0		
2	30.181	30.258	9.0	49.0	57.0	85.0	62.0	35.0	63	65	K	9.0	O	0	NW	.26	SE	.26	17		6.0		
3	30.492	30.411	9.5	49.5	60.0	90.0	64.0	36.5	69	71	K	7.0	O	0	NW	.26	SE	.52			5.5		
4	30.417	30.339	10.0	50.0	59.0	90.0	61.0	37.5	80	71	KN	10.0	K	1.0	SW	0	SE	0			5.0		
5	30.196	30.135	12.0	54.0	64.0	93.0	70.5	40.0	70	72	K	4.0	O	0	N	.52	SE	.52			4.0		
6	30.135	30.125	13.5	57.0	54.0	—	65.0	40.5	73	81	K	7.5	KN	10.0	SE	.52	SE	.52			4.0		
7	30.295	30.265	8.5	48.0	58.0	90.0	62.0	34.0	86	66	KN	10.0	O	0	S	0	SE	.26			6.5		
8	30.200	30.171	9.5	49.0	51.0	—	59.0	35.0	80	86	K	7.5	KN	10.0	S	0	S	.26			6.0		
9	30.128	30.180	10.0	50.0	52.0	65.0	58.0	36.0	86	59	K	9.0	K	6.5	S	.52	S	2.60	.02		7.0		
10	30.352	30.338	8.0	47.0	52.0	76.5	56.5	35.5	79	74	KN	10.0	K	8.5	S	.52	SE	.26	10	1.49	7.5		
11	30.374	30.813	11.0	52.0	60.0	90.0	65.0	36.5	59	71	K	4.5	O	0	N	2.60	S	2.60	.01		4.0		
12	30.225	30.024	8.0	47.0	67.0	107.0	70.0	35.0	79	49	K	3.5	K	4.5	NW	.52	NE	2.60			6.0		
13	30.987	29.738	10.0	50.0	72.0	110.0	80.0	38.0	74	48	K	3.0	KS	7.0	NW	.52	NW	2.60			5.0		
14	29.445	29.375	10.0	50.5	52.0	85.0	72.0	38.5	63	64	KN	8.0	K	8.5	W	.22	NW	5.21	.40		7.5		
15	29.401	29.592	5.5	44.0	49.0	—	65.5	34.0	85	79	KN	8.5	KN	10.0	NW	2.60	S	5.21	.25		10.0		
16	29.908	29.918	7.5	45.5	59.5	87.0	61.5	36.0	73	53	KN	10.0	KN	7.0	S	.52	SW	.52	.01		7.0		
17	29.807	29.530	8.0	47.0	54.0	—	61.0	37.5	79	86	K	10.0	KN	10.0	N	.26	N	.52			4.0		
18	29.540	29.650	12.5	55.0	59.0	85.5	65.0	40.0	70	71	K	5.0	K	7.0	N	.52	SE	.26	10		6.5		
19	29.772	29.758	9.5	49.5	64.5	79.0	68.0	38.0	89	63	O	0	K	7.0	N	.52	NW	.52	.01		5.0		
20	29.950	29.950	7.5	46.0	51.0	—	63.0	34.5	86	69	KN	10.0	KN	7.0	S	.52	SE	.52	13	1.49	7.0		
21	30.145	30.245	7.5	45.0	48.5	—	58.5	34.0	86	86	KN	10.0	KN	9.0	NW	.26	SW	2.60	.08		7.5		
22	30.337	30.357	9.0	48.5	60.0	70.5	62.0	37.5	68	82	K	7.0	K	7.0	N	.52	NW	.26	.21		6.5		
23	30.387	30.306	10.0	50.0	57.0	—	62.0	38.0	69	81	K	8.5	K	10.0	SW	0	W	.26	.01		5.0		
24	30.100	29.851	9.0	48.5	62.0	114.0	78.0	37.5	74	77	K	7.5	KS	3.0	NW	.52	NW	2.60			4.5		
25	29.903	30.000	11.0	52.0	60.0	108.0	72.0	40.0	74	76	K	10.0	K	5.0	S	2.60	W	.52			7.5		
26	30.008	29.790	6.0	43.0	54.0	—	63.0	32.5	77	86	K	10.0	K	9.5	NW	.26	NW	0			4.0		
27	29.558	29.544	13.0	56.0	65.0	105.0	70.0	37.0	71	55	K	7.5	K	7.5	N	.26	NW	2.60	.03		5.0		
28	29.455	29.359	13.5	57.0	63.0	105.0	69.5	39.0	61	51	K	3.5	KN	3.0	NW	2.60	NW	2.60			5.0		
29	29.287	29.252	7.5	46.0	54.5	96.0	63.0	28.5	86	59	N	10.0	K	9.0	NW	2.60	NW	2.60	.09		6.5		
30	29.266	29.352	8.0	47.0	53.5	100.5	58.5	29.0	79	64	K	7.0	K	6.5	NW	.52	NW	2.60	.08		5.5		
31	29.583	29.586	8.5	47.5	63.0	95.0	68.0	31.5	60	67	K	7.0	K	7.0	NW	2.60	N	2.60		2.25	7.0		
	Mean Press.	Mean M'n. Tem.	Mean.	Mean.	Mean.	Mean.	Mean.	Mean.															
	29.940	9.37	53.44		92.07	64.68	36.00	72															
	Greatest do.	Max.		Max.	Max.	Max.	Max.																
	30.492	13.50		114.00	40.50																		
	Least do.	Min.		Min.	Min.	Min.																	
	29.252	5.50		65.0	58.00	28.50																	
	Mean for Month.	Mean Force	TL	TL	TL																		
	7.00	1.20 lb.	1.70	5.23	180.50																		
	Prev. Character, K and KN.	Greatest Force			Me'n																		
		5.21			5.80																		
		Least Force.																					
		0																					
	Prevailing Direction.																						
	NW																						

The Meteorological form brought into use at the beginning of 1876 differs in several 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 Gardens during the month of October, 1877.

- 10th.—Carpinus betulus commencing to leaf.
  - 20th.—Ailanthus glandulosa commencing to leaf.
  - 24th.—Common Lime commencing to leaf.
  - 25th.—Morus Niger commencing to leaf.
  - 30th.—Ulmus Campestris commencing to seed.
  - 31st.—Melia Azederach commencing to leaf.
- F. ABBOTT, JUN., Superintendent.