

METEOROLOGY FOR APRIL, 1879.
PRIVATE OBSERVATORY, HOBART TOWN.
 Latitude 42° 55' 13" S.; Longitude 159° 40m. 23.5s. 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.	Spec. Evap.	Gauge.		
		Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Fahrenheit, 7 30 a.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.
									Amount.	Character.	Amount.	Character.				Force in lbs. per square foot.	Direction from.
1 23 00 99 318 6 5	44	07	92	50	34	5	K	8	NW	0	NW	0			2		
2 20 032 29 913 8	47	07	103	67	30	58	7	K	7	N	20	E	0		4		
3 20 05 50 918 11	50	05	105	65	40	61	K	4	0	0	SE	20			4		
4 21 040 30 938 10	50	05	110	61	37	69	K	4	K	0	NW	20	8		4		
5 6 0 337 30 200 11	52	72	125	72	38	74	8	K	10	N	20	N	0		6		
6 0 0 962 31 703 15	60	76	125	78	37	70	60	K	0	0	0	0	0		4		
7 0 0 919 32 006 15	60	64	121	74	47	53	73	K	10	NW	20	NW	0		4		
8 2 0 923 29 273 11	56	61	120	67	39	64	88	K	8	0	0	0	0		4		
9 0 0 422 29 106 12	56	63	115	65	37	67	80	K	0	K	0	SW	0		3		
10 0 0 076 30 125 10	50	60	120	72	37	73	63	K	0	0	SE	20	8		2		
11 30 074 30 013 11	52	50	123	62	38	81	66	K	10	K	0	0	0		5		
12 2 0 84 29 172 9	48	45	68	53	34	80	93	K	10	K	10	0	0		5		
13 13 120 30 121 7	45	52	60	47	33	79	83	K	10	K	10	0	0		10		
14 30 043 30 194 6	41	56	100	68	33	87	70	K	4	0	NW	20	N		9		
15 3 0 305 30 252 12 5 4	64	113	70	37	81	73	K	8	K	8	NW	20	NW	0	10		
16 30 009 30 225 9 5 4	49	63	92	49	35	83	73	K	0	K	8	NW	20	SE	0	20	
17 10 0 54 30 062 9	49	72	120	74	30	83	84	9	0	K	1	NW	0	NW	0	7	
18 30 035 29 502 8 5 4	45	65	112	72	30	80	65	K	0	K	7	NW	0	SW	0	4	
19 10 0 257 30 039 10 5 4	50	54	110	67	38	60	91	K	7	K	0	SW	0	SE	0	5	
20 30 040 30 303 12	48	61	116	68	30	82	72	K	3	K	3	NW	0	SE	0	5	
21 30 0 294 30 223 6 5 4	45	49	114	72	30	85	60	K	5	K	4	N	0	N	0	7	
22 30 0 72 30 201 11 5 3	53	73	124	78	39	75	54	0	0	0	0	NW	20	SE	0	4	
23 30 0 20 30 101 8	48	71	120	78	37	79	54	0	0	0	0	0	0	0	0	6	
24 30 0 0 30 608 10	50	60	60	70	38	69	88	K	7	K	10	NW	0	SW	0	6	
25 0 0 0 30 0 75 6 5 4	50	63	115	68	38	93	72	K	10	K	6	NW	0	SE	0	3	
26 0 0 0 30 13 13 13	56	58	105	63	30	75	81	K	10	K	6	NW	0	NW	0	6	
27 0 0 111 30 021 9	40	50	79	64	33	85	40	0	0	0	0	0	0	0	0	6	
28 29 0 92 30 284 9	40	69	115	74	37	80	56	K	7	K	10	NW	0	N	0	6	
29 29 0 408 29 545 13 5 3	57	53		56	40	94	92	K	10	K	10	0	SE	0	SE	0	4
30 29 0 612 29 915 8 5 4	47	40		64	38	80	93	K	10	K	7	0	SE	0	SW	0	10

Mean Press.	Mean 10 10	M's. Tem.	Mean 50 0	Mean 63 80	Mean 67 47	Mean 70 67	Mean for Month. 6 0	Prev. Character, K	Mean Force 20 lb.	TL 192 155	TL 102	Mean 5 49
Greatest do.	Max 30 450	Max 15 0	Max 120 0	Max 73 0	Max 40 0				Greatest Force 20 lb.			Mean 5 49
Least do.	Min 30 405	Min 5 0	Min 66 0	Min 47 0	Min 33 0				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 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 10 feet above sea level, and its force in the 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. S., etc.

Time of leaving, flowering, fruiting etc., of a few standard plants in the Botanic Garden, Hobart Town, during April, 1870:—

- 8th.—Edm Leaves commencing to fall.
- 10th.—Coe's Late Red Flax commencing to ripen.
- 20th.—Closely Chrysantheums commencing to flower.
- 22nd.—Fruits Aucuparia leaves commencing to fall.
- 25th.—Black Mulberry leaves commencing to fall.
- 27th.—Seeds of Hornbeam ripe.

F. ABBOTT, JUN., Superintendent.