

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.	Days observed for heavy mental error and in mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)		Relative Humidity. Per cent.	Clouds.		Wind.		Rain in Inches.	Spon. Evap.	Ocean. Barom. 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.	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.	Character.	Amount.				Direction from.	Force in lbs per square foot.	Direction from.	Force in lbs per square foot.
1	29 024	29 850	37	30	54	0	0	32	0	0	10 0	SW	0	W	2 00	6 5		
2	11 744	29 824	39	34	54	0	0	31	0	0	0	SW	0	W	2 00	6 5		
3	10 123	30 222	5	40	63	0	0	41	0	0	0	0	0	0	0	4 5		
4	30 211	30 218	5	40	50	0	0	32	0	0	0	SW	0	W	2 00	6 5		
5	30 108	30 049	0	40	53	0	0	37	0	0	0	0	0	0	0	4 5		
6	29 060	29 073	4	40	56	0	0	33	0	0	0	0	0	0	0	4 5		
7	29 072	31 037	9	40	53	0	0	44	0	0	0	0	0	0	0	4 0		
8	30 105	30 124	5	40	53	0	0	43	0	0	0	0	0	0	0	6 0		
9	29 060	29 785	10	40	49	0	0	31	0	0	0	0	0	0	0	6 0		
10	29 014	29 747	15	50	49	0	0	34	0	0	0	0	0	0	0	5 5		
11	29 026	29 912	8	34	51	0	0	30	0	0	0	0	0	0	0	6 0		
12	29 580	29 442	3	33	45	0	0	34	0	0	0	0	0	0	0	5 5		
13	29 067	29 159	3	33	45	0	0	34	0	0	0	0	0	0	0	6 0		
14	30 353	30 369	7	40	54	0	0	31	0	0	0	0	0	0	0	7 0		
15	30 343	30 289	4	40	54	0	0	35	0	0	0	0	0	0	0	7 0		
16	30 409	30 389	2	35	62	0	0	32	0	0	0	0	0	0	0	2 5		
17	30 321	30 378	1	32	60	0	0	30	0	0	0	0	0	0	0	2 5		
18	30 310	30 223	8	40	56	0	0	35	0	0	0	0	0	0	0	4 5		
19	30 194	30 166	5	40	56	0	0	37	0	0	0	0	0	0	0	4 0		
20	30 208	30 192	0	40	50	0	0	35	0	0	0	0	0	0	0	3 5		
21	30 210	30 186	5	41	51	0	0	33	0	0	0	0	0	0	0	4 0		
22	30 006	29 902	3	38	55	0	0	32	0	0	0	0	0	0	0	4 0		
23	29 710	29 737	5	41	62	0	0	33	0	0	0	0	0	0	0	5 5		
24	29 731	29 374	13	50	56	0	0	40	0	0	0	0	0	0	0	5 5		
25	29 215	29 073	9	40	55	0	0	44	0	0	0	0	0	0	0	5 5		
26	30 250	30 238	5	42	52	0	0	39	0	0	0	0	0	0	0	5 5		
27	30 211	30 223	2	39	51	0	0	39	0	0	0	0	0	0	0	4 0		
28	29 274	29 085	10	40	49	0	0	33	0	0	0	0	0	0	0	3 5		
29	29 013	29 044	5	42	58	0	0	32	0	0	0	0	0	0	0	4 0		
30	29 12 2 15	30	0	49	56	0	0	42	0	0	0	0	0	0	0	7 0		
31	30 315	21 433	10	50	60	0	0	44	0	0	0	0	0	0	0	4 5		
Mean Press	Mean 29.043	Mean 29.043	Mean 54.13	Mean 51.18	Mean 60.45	Mean 30.18	Mean 82	Mean for Month. 6.00	Mean Force. 55 lb.	TL. TL. 83 1 24	TL. TL. 151							
Greatest do.	Max. 39.469	Max. 43.0	Max. 59.00	Max. 54.00	Max. 67.50	Max. 41.00	Max. 93	Prevailing Character. K	Greatest Force. 20 0 lb.		Mean 4.87							
Least do.	Min. 28.924	Min. 1 0	Min. 35.00	Min. 32.5	Min. 54.00	Min. 31.59	Min. 52	Least Force. 0										

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adapted with the view of establishing 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 noted 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 thirty-five 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 during the month of May, 1876.—

NOTE.—Owing to the absence of heavy rains during the Autumn months of 1876, the plants usually commencing to flower in May were very backward; none of them had expanded flowers up to the beginning of June. This is no doubt to be accounted for by the dryness of the subsoil.

The plants usually flowering are *Cornifolia glauca*, *Phytolacca acrotata*, *Diosma alba*, and *Spiraea trifoliata*.

F. ABBOTT, JUS., Superintendent.

Results of observations taken at New Norfolk for May, 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, 30.04 in.

Thermometer, mean of 2 ditto, 45.00 deg.

Dew point, mean position of 2 ditto, 41.50 deg.

Humidity of air, mean of 2 ditto, 80

Elastic force of vapour, mean, of 2 ditto, .263.

Solar intensity, mean of maximum temperature, 104.20 deg.

Terrestrial radiation, mean of minimum temperature, 33.74 deg.

Rainfall, .82 in.

Evaporation, 1.20 in. in excess of rainfall, .44 in.

Grass, mean 4 ditto, 2 ditto 41.60, 0.77.

Clouds, mean amount of 2 daily observations, 5.75.

Wind, force in lbs. per square foot of 2 ditto ditto, 47.93 in.

Ditto, horizontal movement, 2912 miles.

Electricity, 62 observations, 33 negative, 8 positive, 20 nil.

W. E. SHOEBRIDGE, Valleyfield.

Rainfall at Hill Station, 1.650 ft. above sea level, 1.47 in.