

i.  
**METEOROLOGY.**

FEBRUARY, 1873.  
PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		
	Highest.	Lowest.	Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.	Direction from three daily re- gisters.	Force in lb. per square foot.	Rain in inches.
	In.	In.	°	°	°	°			
1	30·097	30·072	77	45	110·0	40·5	NW SE	·78	
2	30·154	30·142	75	48	110·5	44·0	NW SE	·78	
3	30·187	30·115	81	52	120·0	47·0	NW SE	1·30	
4	30·040	29·807	91	53	125·0	53·0	NW	3·64	0·01
5	30·033	29·917	84	61	114·0	57·0	NW SE	1·56	0·01
6	30·095	29·936	79	55	115·0	53·5	NW SE	1·30	
7	30·010	29·095	71	56	107·5	55·0	SE	1·04	
8	30·032	29·878	78	47	117·5	42·0	NW SE	1·04	
9	29·707	29·656	76	55	115·0	52·0	NW SE	1·04	
10	29·707	29·690	70	52	105·0	47·0	NW SE SW	6·25	
11	29·824	29·779	67	51	73·0	49·0	SW NW	·78	
12	29·902	29·871	82	51	120·0	50·5	NW SE NW	1·30	
13	29·990	29·965	84	52	120·5	49·0	NW SE NW	1·30	
14	30·074	29·886	82	51	115·0	47·0	NW SE	1·04	
15	29·925	29·767	87	51	121·0	51·0	NW NE SE	·78	
16	29·658	29·454	98	68	130·0	58·0	NW	13·02	
17	30·099	29·851	86	69	105·0	56·0	NW SE	3·64	0·05
18	30·271	30·186	78	54	103·5	50·0	NE	1·04	
19	29·980	29·794	77	57	79·0	54·0	NW	0·	0·25
20	29·765	29·743	73	54	118·0	53·5	NE SE	·78	0·60
21	29·952	29·920	70	56	104·0	52·0	SE	·52	0·13
22	30·055	30·045	67	57	92·0	54·5	SW SE	1·56	0·15
23	30·067	29·962	72	59	110·0	52·0	SW SE	·26	0·04
24	30·168	30·159	70	60	87·0	58·0	SE E	·26	0·02
25	30·223	30·188	68	58	81·5	54·5	E SE E	1·04	
26	30·183	30·055	77	58	110·0	51·5	NW ENE	·52	
27	30·013	29·895	77	54	110·0	52·0	NW NE	·78	0·02
28	29·805	29·592	91	55	126·5	55·0	NW SE	·52	0·05
Monthly mean 29·942			68·20		105·2	51·4	Total Force ..	48·39	

The mean in all cases is taken from the sums of the three daily registers, and not from the maximum and minimum.

The direction of the wind is registered from currents moving at a height of 192 feet and the force according to Lind's Wind Gauge. The supposition, however, of a uniform velocity during the month is a very arbitrary one, and the results can be considered only approximately correct.

The relations of the quantities of rain which fell under the different winds are registered each evening at sundown.

The 25 years' standard tables are used for obtaining the difference from the average.

Barometer mean, 29·942in., being ·065in above the average.

Temperature mean, 68·20°, being 3·28° above the average.

Solar intensity mean, 105·2°, being 1·7° above the average.

Dew point mean, 53·7°, being 4·48° above the average.

Humidity of air mean, ·65, being ·06 per cent. below the average.

Elastic force of vapour mean, ·437, being ·080 per cent. above the average.

Total amount of rain, 1·33in, being 0·27in. below the average.

Increase of spontaneous evaporation on rainfall, 2·37in.

Mean amount of ozone, 7·5, being 0·39 of chromatic scale above the average.

Electricity active on the 5th, 7th, 10th, 11th, 12th, 13th, 17th, 18th, and for the remainder of the month almost nil.

Lightning on the 9th and 19th. Hot wind on the 16th.

*Leafing, Flowering, and Fruiting of a few Standard Plants in the Royal Society's Gardens during the month.*

3rd.—Kerry Pippin Apple commencing to ripen.

4th.—Windsor Pear ditto ditto.

9th.—Bon Chretien Pear ditto ditto.

10th.—Greengage ditto ditto.

20th.—Ash commencing to shed seeds.

22nd.—Sycamore ditto ditto.

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