METEOROLOGY FOR MARCH, 1876.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52′ 13″ S ; Longitude 9h. 49m. 20·2s. E.

(Registered for the Royal Society of Tasmania.)

Day of Month	Bar. corrected for instrumental error and to mean sea level. 7·30 a.m.	Bar. 4·30 p.m.	Thermometers (Reading.) Centigrade, 7·30 a.m.	Fahrenheit, 7·30 a.m.	Fahrenheit, 4·30 p.m.	Thermometers (Self-Registering) Highest in Sun, 4·30 p.m.	Highest in Shade, 4·30 p.m.	Lowest on Grass, 7·30 a.m.	Relative Humidity. Per cent 7·30 a.m.	4·30 p.m.	Clouds 7·30 a.m. Character.	Amount.	4·30 p.m. Character.	Amount.	Wind. 7·30 a.m. Direction from.	Force in lbs. per square foot.	4·30 p.m. Direction from.	Force in lbs. per square foot.	Rain in Inches. 7·30 a.m.	Spon. Evap. 7·30 a.m.	Ozone. Chrom. Scale. 7·30 a.m.
1	[illegible]	[illegible]	12·0	49·0	63·0	111·0	72·0	49·0	87	63	K	5·0	K	7·0	W	·26	SW	·26			4·0
2	[illegible]	[illegible]	11·0	52·0	65·0	109·5	72·0	45·0	70	60	K	6·0	K	3·0	W	·26	SW	2·60	·01		4·5
3	[illegible]	[illegible]	12·5	55·0	62·0	107·0	69·0	45·5	75	77	K	7·5	K	6·0	N	·26	S	·52			6·5
4	[illegible]	[illegible]	12·0	53·0	68·0	111·0	78·5	45·0	86	68	K	9·5	S	2·5	NW	·0	SE	·26			6·5
5	[illegible]	[illegible]	12·0	54·0	68·0	110·5	76·0	47·5	87	68	KN	10·0	K	7·0	W	·0	SE	·0			4·0
6	[illegible]	[illegible]	13·0	57·0	74·0	115·0	83·5	49·5	87	66	O	·0	KS	8·0	NW	·26	NW	·26			4·0
7	[illegible]	[illegible]	16·0	62·0	79·0	120·0	87·0	58·5	88	71	KN	10·0	K	7·5	N	·0	W	·52	·03		4·5
8	[illegible]	[illegible]	17·0	62·0	64·5	113·0	80·0	58·0	82	88	K	7·5	KN	8·5	N	·0	S	2·60			4·0
9	[illegible]	[illegible]	12·0	54·5	65·0	100·5	72·0	52·0	87	78	N	10·0	KN	8·5	S	0	SE	·0	40		6·5
10	[illegible]	[illegible]	12·0	55·0	65·0	110·0	75·0	50·0	83	83	KN	10·0	KS	8·0	N	·0	S	·26	01	1·45	4·0
11	[illegible]	[illegible]	11·0	55·0	75·5	114·0	75·5	56·5	83	70	KN	10·0	K	10·0	N	·0	W	·0			3·5
12	[illegible]	[illegible]	18·0	64·5	75·0	112·5	77·0	57·5	88	79	KN	7·5	KN	8·5	N	0	N	·52	04		2·5
13	[illegible]	[illegible]	18·0	64·0	82·0	120·0	90·0	60·5	85	61	O	0	K	3·0	SE	·0	SE	·52	·07		4·0
14	[illegible]	[illegible]	18·0	64·0	89·0	122·0	93·5	59·5	88	67	KN	10·0	K	6·0	NW	·0	SE	·52			2·5
15	[illegible]	[illegible]	12·5	55·0	57·0	68·5	62·5	52·0	87	76	N	10·0	KN	10·0	S	·52	S	·52	·02		6·0
16	[illegible]	[illegible]	10·0	50·0	62·0	104·0	69·0	43·0	74	72	K	4·0	O	·0	SE	·52	S	·26	02		5·5
17	[illegible]	[illegible]	8·0	48·0	67·0	103·0	71·0	41·5	86	77	O	0	K	8·5	NW	·0	SE	·52			4·0
18	[illegible]	[illegible]	9·0	49·0	63·0	102·0	72·0	43·0	86	72	K	3·0	O	0	NW	·0	SE	·52			4·5
19	[illegible]	[illegible]	11·5	52·2	[illegible]	104·5	68·5	48·5	80	71	K	7·5	KN	8·5	SW	0	SW	2·60			7·0
20	[illegible]	[illegible]	10·0	51·0	67·0	109·0	77·0	45·0	86	64	K	7·0	O	·0	S	0	S	·0	·01	1·41	4·5
21	[illegible]	[illegible]	16·0	61·0	56·5	78·0	65·0	48·0	77	57	KN	10·0	K	5·0	NE	0	SW	5·21			5·0
22	[illegible]	[illegible]	8·0	47·0	68·0	97·5	62·0	41·0	67	63	K	6·5	KS	4·0	SW	·52	SE	·52	02		4·5
23	[illegible]	[illegible]	11·0	51·0	69·0	107·0	77·5	43·0	74	60	K	10·0	KS	7·5	NW	·0	NW	·26	·01		5·0
24	[illegible]	[illegible]	9·0	49·0	68·5	99·5	73·0	42·0	86	60	O	·0	K	4·0	NW	·52	SE	·52			4·0
25	[illegible]	[illegible]	15·0	59·0	70·5	111·0	83·0	51·0	76	69	K	4·0	KN	10·0	NW	·52	NE	·0	·05		3·5
26	[illegible]	[illegible]	12·0	54·0	60·0	93·0	72·5	44·5	70	58	K	7·0	K	2·0	NW	26	SW	·26			5·5
27	[illegible]	[illegible]	7·0	45·0	67·5	107·0	73·0	39·5	79	53	O	·0	K	3·0	NW	·26	NW	·0			6·0
28	[illegible]	[illegible]	11·0	52·0	65·0	107·5	75·0	46·5	86	68	KS	7·0	KN	7·5	W	0	SE	·0			4·0
29	[illegible]	[illegible]	10·0	51·0	72·0	72·0	76·0	48·0	86	65	K	5·5	KN	10·0	NW	·26	N	·0			3·5
30	[illegible]	[illegible]	11·0	52·0	55·0	98·5	72·0	48·0	74	69	KN	8·0	KN	6·0	N	0	NW	·52	34		5·5
31	[illegible]	[illegible]	8·0	47·0	54·5	79·0	65·0	39·0	81	70	N	9·0	KN	10·0	S	26	NW	·26	15	0·60	6·0
	Mean [illegible] 21·0		Mean 12·30	M'n 10·34	Tem.	Mean 105·45	Mean 71·77	Mean 74·77	M an. ·75		Mean for Month. 6·31				Mean Force. ·42 lb.				Tl. 1·21	Tl. 3·46	Tl. 145
	[illegible]		Max 18·0		Max 82·0	Max 122·00	Max 93·50	Max 60·50	Max. ·93		Prevailing Character. K and KN				Greatest Force 5·21 lb.						Mean 4·68
	[illegible] 21·85		Min. 7·0		Min 45·0	Min 72·00	Min 62·50	Min. 39·00	Min. ·53						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 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 means 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.

Date of leafing, flowering, and fruiting of a few standard plants in the Royal Society's Gardens during March, 1876 :—

[illegible]th Hornbeam leaves commencing to turn brown.
[illegible]th —Coe's Golden Drop Plum ripe
[illegible]th —Seckle Pear commencing to ripen.
[illegible]th —Tips of Elm (*Ulmus campestris*) turning yellow.
[illegible]nd.—Horse Chestnut leaves turning brown.
26th —Ash leaves commencing to fall.
27th —Oak ditto ditto. Acorns ripe.

F. ABBOTT, Jun.,
Superintendent.

Results of observations taken at New Norfolk for March, 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, 29·953in.
Thermometer, mean of 2 ditto, 60·35deg
Dew point, mean position of 2 ditto, 51·60deg
Elastic force of vapour mean, of 2 ditto, ·381.
Humidity of air, mean of 2 ditto, 73
Solar intensity, mean of maximum temperature, 128·83deg.
Terrestrial radiation, mean of minimum temperature, 42·22deg
Rainfall, ·89in.
Evaporation, 4·24in in excess of rainfall, 3·35in.
Clouds, mean amount of 2 daily observations, 5·96.
Ozone, mean ditto, 2 ditto ditto, 6·22.
Wind, ditto, 2 ditto ditto, 46·57lbs.
Ditto, horizontal movement, 2103 miles
Electricity, 62 observations, 33 negative, 7 positive, 22 *nil*.

Rainfall at Hill Station, 1,550 ft. above sea level, ·90 Inches.

W. E SHOOBRIDGE,
Valleyfield.