

MAY, 1874.

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.		Direction from three daily re- gisters.	Force in lb. per square foot.	Rain in Inches.
			°	°	°	°			
1	30.073	29.985	71.42	93.5	40.0	NW	.78		
2	30.063	30.031	75.46	95.0	42.5	NW SE	.52		
3	30.233	30.228	70.50	96.5	46.0	NW SE	.52	0.43	
4	30.184	30.076	68.50	72.0	40.5	SE	0.	0.50	
5	29.734	29.391	63.50	63.5	40.0	SE SW	23.44	1.03	
6	29.625	29.488	64.50	85.0	40.0	NW	5.97		
7	29.734	29.712	61.46	65.0	42.0	NW	0.	0.31	
8	29.859	29.829	72.43	94.0	40.0	SE SW	.52		
9	30.000	29.978	71.42	91.5	38.0	NW NE SE	0.		
10	29.998	29.865	70.44	91.0	40.5	NW	.78		
11	29.648	29.575	64.47	69.0	41.0	NW E	0.		
12	29.627	29.596	60.44	72.0	43.0	SE SW SE	5.72	0.36	
13	29.979	29.942	59.48	65.5	40.0	SW SE	.52		
14	30.075	30.067	62.40	83.0	31.0	NW NE	.52		
15	30.111	30.092	58.42	62.5	35.0	NW	1.04		
16	30.136	30.104	66.44	89.0	36.0	NW	.52		
17	30.095	29.914	62.48	60.0	45.0	NW	0.	0.22	
18	29.661	29.600	71.50	91.0	45.0	NW	.26	0.03	
19	29.630	29.627	68.45	89.0	40.5	NW	0.	0.12	
20	29.394	29.326	66.45	71.0	39.0	NW SE	.52		
21	29.533	29.480	61.46	81.5	40.0	NW W NW	1.04	0.30	
22	29.546	29.398	58.47	60.5	43.5	SW	1.56	0.14	
23	29.850	29.808	55.45	60.0	39.0	SW	6.25	0.24	
24	30.129	29.985	58.44	42.0	40.0	SW SE SW	1.56		
25	30.410	30.400	68.46	91.0	39.0	SW NE SE	0.		
26	30.421	30.334	64.50	85.0	31.0	NW SW	.26		
27	30.371	30.330	62.39	81.5	30.0	NW SW	.78		
28	30.366	30.112	65.40	86.5	30.0	NW	.52		
29	30.190	30.111	60.42	61.0	31.5	NW SW SE	.26		
30	30.238	30.184	66.44	85.0	34.0	NW	0.	0.05	
31	30.000	29.984	62.48	85.5	38.5	SE SW NW	.78		
Mean monthly			53.50	78.0	38.76	Total Force	54.65	3.73	
	29.927								

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

Barometer mean, 29.927in., being .04in. above the average.

Temperature mean, 53.20°, being 2.88° above the average.

Solar intensity mean, 73.0°, being 4.16° above the ditto.

Dew point mean, 47.0°, being 3.17° above the ditto.

Humidity of air mean, .79, being .01 per cent. below ditto.

Elastic force of vapour mean, .323, being .019 per cent. above the ditto.

Total amount of rain, 3.73in., being 1.96in. above the ditto.

Increase of spontaneous evaporation on rainfall, 0.64in.

Mean amount of ozone, 5.23, being 1.62 of chromatic scale below ditto.

Electricity active on the 8th, 9th, 10th, 21st, 26th, 28th, 30th and 31st. Feeble and nil during the rest of the month.

An aurora on the 9th. A fresh fall of snow on Mount Wellington on the 31st.

FRANCIS ABBOTT.

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

10th.—First Medlar ripe.

14th.—Coronilla Glauca commencing to flower.

18th.—Photinia serrulata ditto

24th.—Diosma alba ditto.

28th.—Spiraea prunifolia fl. pleno ditto.

31st.—Ailanthus glandulosus, leaves all fallen.

The following are the results of the observations made at New Norfolk during the month :—

Barometer, mean, of three daily readings, 29·937in.

Thermometer, ditto 51·41°.

Ditto max. and min. in shade, 51·22°.

Elastic force of vapour, ·365in.

Humidity of air, '94.

Rainfall, 1·80in.

Evaporation, ·85in.

Excess of rainfall over evaporation, ·95in.

Mean amount of cloud, 6·25.

Ozone, 6·5.

W. E. SHOOBRIDGE.

JUNE, 1874.
PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		Rain in inches.
	Highest.	Lowest.	Highest in shade		Lowest on grass.		Direction from three daily reg- isters.	Force in lb. per square foot.	
			Highest in shade.	Lowest in shade.	Highest in sun.	Lowest on grass.			
1	30·164	30·134	64	44	87·0	35·0	NW	·52	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 30 years' standard tables are used for obtaining the difference from the average.
2	30·126	30·029	62	45	68·0	38·0	NW SE	·78	
3	30·248	30·241	59	47	60·5	39·0	SE NW SE	·26	
4	30·234	30·198	65	55	82·0	40·5	NW	1·04	
5	30·200	30·057	57	50	64·0	45·0	NW	1·56	
6	30·045	29·871	67	51	82·5	43·5	NW	·78	
7	29·600	29·479	75	49	84·0	39·0	W NW SW	0·	
8	30·153	30·011	62	45	65·5	32·5	SW SE	·78	
9	30·280	30·217	62	36	87·0	30·0	NW	·78	
10	30·226	30·217	61	43	82·5	32·0	NW SE	·26	
11	30·237	30·194	59	47	64·0	40·0	NW	0·	
12	30·214	30·166	61	48	71·5	40·0	NW	0·	
13	30·000	29·940	56	44	71·5	34·0	NW SE SW	0·	
14	30·006	30·000	53	45	67·5	40·0	SE	3·64	
15	30·086	30·014	56	42	82·0	37·0	NW NE	·26	
16	30·077	30·056	54	34	76·5	30·5	NW	1·30	
17	30·069	30·021	55	37	76·0	31·0	NW	3·64	
18	29·977	29·822	54	40	65·5	31·5	NW	·78	
19	30·012	29·980	59	40	77·0	31·0	NW	·52	
20	29·777	29·604	57	38	68·0	30·0	NW SW	·26	
21	29·341	29·276	59	52	61·5	34·0	SE	·52	
22	29·485	29·403	55	52	58·5	33·5	NW SE	·26	
23	29·984	29·940	55	49	59·0	35·0	SE	·26	
24	30·192	30·098	53	42	59·0	33·0	NW SW	·52	
25	30·299	30·100	53	40	59·5	36·5	SW NE SW	0·	
26	30·308	30·250	57	42	57·0	35·0	NW NE NW	·78	
27	30·289	30·220	58	38	76·5	28·0	NW	·52	
28	30·102	29·975	55	39	70·5	32·5	W NW SW	·26	
29	29·906	29·837	62	45	81·5	40·0	NW	·26	
30	30·011	29·984	65	45	82·0	35·5	NW	·52	
Monthly mean	30·022		49·41	71·57	35·42	Total Force	26·01	2·96	

Barometer mean, 30·022in., being 0·131in. above the average.

Temperature mean, 49·41°, being 2·32° above the average.

Solar intensity mean, 71·57°, being 3·92° below the average.

Dew point mean, 42·8°, being 1·11° above the average.

Humidity of air mean, ·82, being ·01 per cent. below the average.

Elastic force of vapour mean, ·284, being ·015 per cent. above the average.

Total amount of rain, 2·96in., being 1·16in. above the average.

Increase of rain on spontaneous evaporation 2·15in.

Mean amount of ozone, 5·20, being 1·41 of chromatic scale below the average.

Electricity feeble and nil all through the month.

Mount Wellington covered with fresh snow on the 15th.

FRANCIS ABBOTT.

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

- 16th.—*Maclaura auractiaca* leaves commencing to shed.
 18th.—Common Privet ditto ditto.
 24th.—*Calycanthus præcox* in full flower.
 25th.—Early *Narcissus* commencing to flower.
 25th.—Snowflake, ditto ditto.
 30th.—Black Mulberry leaves all shed.

Results of Meteorological Observations made at New Norfolk during June, 1874 :—

- Barometer mean of three daily readings, 30·054 inches.
 Thermometer mean of ditto, 44·92, ditto mean of maximum and minimum in shade, 44·63.
 Solar intensity mean, 65·2°.
 Terrestrial radiation mean, 34·1.
 Mean temperature of dew point, 42·80.
 Elastic force of vapour, mean, '292in.
 Humidity of air, '96.
 Mean amount of cloud, 7·68.
 Ditto ozone, '746, scale 0·10.
 Prevailing wind, W.
 Damp and foggy weather.

W. E. SHOBRIDGE, Valleyfield.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37ft abv sea level, corrected and reduced.		Self-registering Thermometers.				Wind.		
	Highest.	Lowest.	Highest in Shade.		Lowest in Shade.		Direction from three daily registers.	Force in lbs. per square foot.	Rain in Inches.
			°	°	°	°			
1	30.056	29.975	61	46	62.5	37.5	NW SE	0.	1.04
2	30.022	29.978	59	49	60.0	36.0	SE SW	.78	0.32
3	30.222	30.169	60	45	73.0	36.5	W NW SE	0.	
4	30.230	30.194	57	38	63.0	29.0	NW	1.04	
5	29.942	29.795	53	40	60.5	33.0	NW	.26	
6	29.853	29.630	54	40	59.5	31.5	SW	.78	0.04
7	29.834	29.738	56	49	67.0	31.5	NW W	1.30	0.01
8	29.561	29.245	56	50	60.5	33.0	SE NW	1.04	0.14
9	29.302	29.040	56	46	74.0	34.5	W SW	13.02	0.13
10	29.859	29.714	56	47	69.5	34.0	E NW	.78	
11	29.870	29.852	60	48	74.0	40.0	SW NW	1.30	0.02
12	30.010	29.950	58	44	61.5	39.0	SE SW	.78	0.19
13	30.155	30.112	56	39	79.0	30.0	NW E SW	.52	0.03
14	30.172	30.076	58	38	77.0	29.5	NW	1.04	
15	30.133	30.078	56	30	78.5	27.0	NW	1.04	
16	29.934	29.784	58	45	69.0	37.0	NW	1.30	0.2
17	29.940	29.922	53	44	81.5	35.5	NW	1.04	
18	30.087	30.070	60	46	81.0	41.0	NW	1.30	
19	30.294	30.258	56	45	77.5	36.0	NW SE SW	.52	
20	30.449	30.436	60	42	81.0	31.5	NW	.26	
21	30.477	30.439	62	42	75.0	23.0	NW	.52	
22	30.451	30.340	59	43	76.0	31.5	NW	.78	
23	30.272	30.142	56	40	74.0	31.0	W NW	.78	
24	29.996	29.812	64	42	80.5	35.0	NW	.52	
25	29.782	29.693	60	46	77.5	42.5	SW W SE	.78	
26	30.087	30.050	62	38	83.0	23.5	NW	.52	
27	30.200	30.137	63	35	82.0	27.5	NW	.52	
28	30.177	30.134	63	38	82.0	29.0	NW	1.04	
29	30.080	29.937	62	36	81.5	29.0	NW	1.04	
30	29.950	29.891	53	34	60.0	33.5	W NW SW	0.	
31	29.928	29.870	61	40	84.0	33.0	NW E SE	.26	0.08
Monthly mean 29.998			49.0		73.20	33.33	Total Force...	35.38	2.04

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

Barometer mean, 29.995in., being 0.131in. above the average.
 Temperature mean, 49.0°, being 2.93° above the ditto.
 Solar intensity mean, 73.20°, being 2.88° below the ditto.
 Dew point mean, 42.8°, being 2.05° above the ditto.
 Humidity of air mean, .74, being .05 below the per cent. ditto.
 Elastic force of vapour .263, being .005 per cent. above the ditto.
 Total amount of rain, 2.02in., being 0.08in. per cent. below the ditto.
 Increase of rain-fall on spontaneous evaporation, 1.36in.
 Mean amount of ozone, 2.90, being 2.20 of chromatic scale below the ditto.
 Electricity, nil 3 days, feeble, 7 days, and active 21 days.
 Snow on Mount Wellington all through the month, with a fresh deposit on the mountain and low hills on the 9th.

FRANCIS ABBOTT.

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

- 10th.—Garrya elliptica in full flower.
- 16th.—Arbutus unedo commencing to flower
- 24th.—Yellow crocus in flower.
- 28th.—Almond in full flower.
- 30th.—White mulberry commencing to leaf.

The following are the results of observations made at New Norfolk during the month :

- Barometer mean, of 3 daily readings, corrected and reduced, 30·025 inches.
- Wind, total force for month, 16'38lbs., prevailing direction, W.
- Temperature mean of three daily readings, in shade, 44·66°.
- Ditto ditto of maximum and minimum, in ditto, 44·27°.
- Solar intensity mean, 67·10.
- Terrestrial radiation, 31·22.
- Elastic force of vapour, '282in.
- Humidity of Air, '93.
- Mean temperature of dew point, 42·36.
- Rainfall for June, 1·80in., in excess of evaporation, 1·23in.
- Ditto for July, 1·77in., ditto ditto, 1·04.
- Evaporation for June, '57in.
- Ditto for July, '73in.
- Clouds, mean amount, 6·36.
- Ozone ditto, 8°.

W. E. SHOEBRIDGE, Valleyfield.

AUGUST, 1874.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		Rain in Inches.
	Highest.	Lowest.	Highest in shade.		Highest in sun.	Lowest on grass.	Direction from three daily re- gisters.	Force in lb. per square foot.	
	In.	In.	°	°	°	°			
1	29 944	29 921	57	36	65·0	27·0	SE SW	1·56	
2	30 000	29 944	54	34	80·0	27·5	NW SE	1·30	0·07
3	30 095	30 041	54	42	65·5	36·5	SW SE	·78	0·10
4	30 064	30 003	54	40	81·0	37·0	NW NE	·26	
5	29 832	29 772	53	32	79·0	27·5	NW NE SE	·78	
6	29 940	29 914	63	36	87·0	29·0	NW E SW	0·	
7	30 162	30 137	65	34	94·5	27·0	NW NE E	·26	
8	30 208	30 192	64	43	88·0	34·0	NW E	·26	
9	30 172	29 982	65	36	89·0	30·5	NW	·26	
10	29 906	29 821	66	41	92·5	35·0	NW	·52	
11	29 754	29 674	67	40	91·0	36·0	NW	·52	0·01
12	29 792	29 701	62	42	81·0	35·0	NW SW	1·30	
13	30 048	30 022	63	36	87·0	30·0	NW SE	·52	
14	30 000	29 894	64	34	86·5	28·0	NW	1·30	
15	29 670	29 604	65	38	68·0	31·5	NW SE	·78	00·1
16	29 832	29 789	64	36	90·5	30·0	NW SE	·52	
17	29 558	29 293	61	35	75·0	28·0	NW	·26	0·06
18	29 535	29 417	60	41	86·0	34·5	NW	1·30	
19	29 887	29 816	56	40	65·5	32·5	NW	1·04	
20	30 021	29 953	68	43	67·0	31·0	NW NE SW	1·30	
21	30 184	30 126	65	34	90·5	29·0	NW	·78	
22	30 144	29 874	68	36	85·5	31·5	NW N	·104	0·15
23	29 406	29 236	69	49	94·0	45·0	NW	1·04	0·11
24	29 037	28 926	65	41	90·5	37·0	NW NE	·78	0·28
25	29 446	29 209	57	41	60·0	40·0	S SE	1·56	0·12
26	29 701	29 654	58	40	87·5	36·0	SW	5·99	
27	29 777	29 729	66	33	92·0	28·5	NW S	·52	0·06
28	29 792	29 734	66	35	91·0	29·5	W N NW	·78	0·06
29	29 742	29 667	62	36	87·0	30·5	W SE E	·52	0·04
30	29 500	29 406	62	36	76·5	32·0	SW W	·26	0·01
31	29 809	29 849	57	38	75·5	30·5	NE NW	1·56	
Monthly mean		50 77		82 50		32 0	Total force	30 43	1 08
29 792									

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

Barometer mean, 29·792in., being 0·028in. below the average.
 Temperature, mean, 50·77°, being 2·30° above the ditto.
 Solar intensity, mean, 82·50°, being 0·32° below the ditto.
 Dew point mean, 40·8°, being 0·72° below the ditto.
 Humidity of air mean, ·71, being ·08 per cent. below the ditto.
 Elastic force of vapour mean, ·261, being ·003 per cent. below the ditto.
 Total amount of rain, 1·08in., being 0·64in. below the ditto.
 Increase of spontaneous evaporation on rain-fall, 0·42in.
 Mean amount of ozone, 5·70, being 1·76 of chromatic scale below ditto.
 Electricity active all through the month, with the exception of three days, namely on the 1st, 17th, and 25th.
 Snow never absent from Mount Wellington, with frequent fresh deposits.

FRANCIS ABBOTT.

Leafing, Flowering, and Fruiting of a few standard plants in the Royal Society's Gardens during the month.

8th.—Elder commencing to break.
 11th.—Horse chestnut, ditto.
 14th.—Gooseberries, ditto.
 18th.—Elm (*Ulmus campestris*) commencing to flower.
 20th.—Upright poplar, commencing to break.
 21st.—Royal apricot, commencing to flower.

Results of Observations taken at New Norfolk for the month.

Barometer mean, of three daily readings, corrected and reduced, 29·804in.
 Temperature, mean, of ditto, 45·49°.
 Solar intensity, 81°.
 Terrestrial Radiation, 30·25°.
 Dew point, mean position, 41·55°.
 Humidity of air, ·90.
 Elastic force of vapour, ·231in.
 Rainfall, 1·79in ; in excess of evaporation ·06in.
 Evaporation, 1·74in.
 Mean daily amount of cloud, 5·33 } Scale, 0·10
 Ditto, ditto, Ozone, 8·27. }
 Wind force, in lbs. per square foot, 24·94.

W. E. SHOBRIDGE.

Valleyfield.

SEPTEMBER, 1874.

PRIVATE OBSERVATORY, HOBART TOWN.

Day of Month.	Bar. 37 feet abv. sea level corrected & reduced.		Self-Registering Thermometers.				Wind.		Rain in inches.
	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.	
	In.	In.	°	°	°	°			
1	29·857	29·806	60	46	84·0	42·0	NW SE	1·04	0·17
2	29·792	29·698	58	43	85·3	41·0	SE S	1·30	0·11
3	29·679	29·436	60	41	85·5	38·5	W NW	1·56	0·01
4	29·314	29·257	67	45	94·0	40·0	N NW W	10·98	
5	29·563	29·504	64	44	90·0	40·0	NW	10·68	
6	29·157	29·086	60	42	86·5	38·5	NW	7·80	0·33
7	29·387	29·287	55	39	71·0	30·0	SW W	15·62	0·23
8	29·850	29·766	56	35	88·0	28·0	SW S	8·33	
9	30·127	30·081	62	37	95·0	31·0	NW SE	·78	
10	30·129	30·082	66	38	98·0	31·5	NW S	1·04	
11	29·994	29·924	61	36	96·0	31·0	NW SW	·78	
12	30·054	30·026	64	34	97·0	28·0	NW SE	1·04	
13	30·053	29·942	62	41	86·0	32·5	NW SE	·78	
14	29·945	29·718	64	42	85·0	36·0	NW SE	·78	
15	29·791	29·785	61	46	90·0	41·0	S SE	·52	0·01
16	29·898	29·871	59	45	90·0	40·0	S	·52	0·08
17	29·938	29·845	66	41	95·0	40·0	NW NE S	·78	
18	29·556	29·330	61	39	84·0	32·5	NW	5·86	0·05
19	29·504	29·430	59	43	69·5	39·0	W SW S	10·4	0·12
20	29·476	29·433	61	33	92·0	28·0	N SE S	1·30	0·01
21	29·540	29·412	56	38	69·0	34·0	SWS	3·64	0·06
22	29·642	29·615	62	36	97·0	30·0	SW	1·56	0·06
23	29·858	29·771	61	39	88·0	31·5	N NW	1·30	0·01
24	29·788	29·670	65	41	89·5	35·5	SW NW	·52	0·30
25	29·648	29·633	61	42	98·0	40·0	NW SE	·52	0·06
26	29·674	29·641	58	37	93·0	31·5	NW SE NW	1·04	
27	29·915	29·900	53	43	62·5	30·0	SE S	6·80	0·04
28	29·921	29·802	57	39	89·0	34·0	S SE	1·04	0·10
29	30·109	30·058	56	41	86·0	35·5	S SE	7·80	
30	30·258	30·252	59	43	87·5	39·0	S SE	·26	
Monthly mean 29·740			52·21		86·70	34·82	Total Force ..	96·21	1·75

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

Barometer mean, 29·740in., being 0·033in. below the average.
 Temperature mean, 52·21°, being 2·18 below the average.
 Solar intensity mean, 86·70°, being 10·42° below the ditto.
 Dew point mean, 41·9°, being 0·34 below the ditto.
 Humidity of air mean, ·7010, being ·06 per cent. below the ditto.
 Elastic force of vapour mean, ·276, being ·004 per cent. below the ditto.
 Total amount of rain, 1·75in., being 0·45in. below the ditto.
 Increase of spontaneous evaporation on rainfall, 0·59in.
 Mean amount of ozone, 6·40, being 1·52 of chromatic scale below ditto.
 Electricity active all through the month, 43 positive, 15 average, and 2 nil on the 3rd.
 Strong and vivid lightning on the 3rd, without thunder, from S.S.W.
 Heavy fall of snow on the 6th; covering the Mountain and low hills, and which was never absent from Mount Wellington during the month.

FRANCIS ABBOTT.

Leafing, Flowering, and Fruiting of a few standard plants in the Royal Society's Garden during the month.

- 12th.—Common Ash commencing to break into leaf.
 17th.—Grape vines, ditto, ditto.
 18th.—Moutan Peony commencing to flower.
 21st.—Common oak commencing to leaf.
 26th.—Horsechestnut commencing to flower.
 30th.—Robinia pseudo Acacia commencing to leaf.

Results of Meteorological Observations taken at New Norfolk for September, 1874.

Barometer (corrected and reduced) mean of three daily readings, 29·672in.
 Thermometer mean of ditto, 48·41
 Solar intensity, mean of maximum temperature, 80°·83.
 Terrestrial radiation, mean of minimum temperature, 35·43.
 Elastic force of vapor, mean ·303in.
 Humidity of air, mean ·88.
 Mean temperature of dew point, 45·9.
 Rainfall, 2·43 inches.
 Evaporation, 3·34in., in excess of rainfall, ·91in.
 Wind, total force for the month, 80·19lbs.
 Clouds, mean amount, 6·34 ; of scale, 0-10.
 Ozone, ditto, dito, 8·9 ; of scale 0-10.

W. E. SHOBRIDGE.

Valleyfield.