Monthly Meteorological Register, at the Provincial Magnetical Observatory, Toronto, Canada West.—May, 1854.

Latitude, 43 deg. 39.4 min. North. Longitude, 79 deg. 21. min. West. Elevation above Lake Ontario, 108 feet.

Magnet.	Day.	Barom. at temp. of 32 deg. 6 A.M.	2 P.M.	10 P.M.	Mean.	Temp. of the Air. 6 A.M.	2 P.M.	10 P.M.	M'N.	Tension of Vapour. 6 A.M.	2 P.M.	10 P.M.	M'N	Humidity of Air. 6 A.M.	2 P.M.	10 P.M.	M'N.	Wind. 6 A.M.	2 P.M.	10 P.M.	Mean Vel'y	Rain in Inch.	Snow in Inch.
						°	°	°	°														
a	1	29·515	29·460	29·488	29·487	40·2	55·3	45·2	46·75	0·222	0·265	0·235	0·246	·90	·62	·80	·78	W N W	S	S E b S	3·79	...	...
a	2	·411	·355	·428	·405	47·1	53·5	42·8	47·52	·276	·368	·255	·289	85	91	93	88	Calm	E S E	S	3·02	0.265	...
a	3	·399	·503	·594	·506	43·8	52·1	43·4	46·62	·267	·295	·230	·265	94	77	83	85	N W	N b E	N W	7·32	0·025	...
b	4	·600	·559	·444	·518	43.4	58·6	46·0	51·53	·230	·266	·261	·261	83	55	85	71	N b E	S b W	S b W	3·15	...	...
a	5	·376	·484	·554	·476	45·2	53·8	39·5	46·78	·252	·226	·188	·231	85	55	78	74	E b S	N W b W	N W b W	10·59	...	...
a	6	·625	·611	·670	·638	33·9	38·9	28·4	33·63	·127	·101	·118	·119	65	43	73	63	N N W	N N E	N W b N	11·67	...	...
a	7	·654	·590	—	—	31·6	49·9	—	—	·118	·199	—	—	66	56	—	—	N N W	N N W	—	9·81	...	...
b	8	·648	·612	·575	·601	34·5	56·6	49·9	47·80	·143	·168	·227	·196	72	37	92	68	N W b N	S S W	Calm	4·39	...	...
b	9	·481	·360	·351	·333	40·9	54·9	41·3	45·83	·201	·229	·187	·211	79	51	73	69	Calm	E S E	E S E	3·20	...	...
—	10	·295	·259	·368	·306	47·0	53·5	48·5	50·53	·262	·368	·296	·314	82	91	88	85	E	S E b E	N N W	4·19	0·235	...
b	11	·501	·462	·548	·505	42·4	55·2	50·4	50·72	·221	·273	·285	·260	82	64	80	73	N N W	S W b S	W S W	6·72	Inap.	...
b	12	·734	·738	·768	·743	49·4	61·5	54·4	55·07	·213	·311	·251	·264	61	58	61	62	Calm	S E b E	N E b E	5·05	...	...
a	13	·780	·710	·620	·696	57·4	68·6	60·4	62·43	·294	·459	·381	·384	61	67	75	69	E	E	S E b E	8·14	0·040	...
ac	14	·593	·481	—	—	55·3	58·2	—	—	·346	·444	—	—	81	93	—	—	E	Calm	—	3·72	0·455	...
c	15	·576	·517	·564	·557	53·5	57·8	57·7	56·70	·312	·377	·318	·347	78	80	75	76	W	S W b S	S W	6·48	Inap.	...
c	16	·677	·636	·507	·596	48·4	59·4	52·1	54·72	·267	·350	·308	·316	83	70	80	76	N N W	S E b E	E	7·16	...	...
b	17	·298	·089	·201	·183	54·6	66·6	53·0	59·13	·377	·431	·369	·401	90	68	91	82	E b N	E b S	S W b S	6·35	0·915	...
a	18	·276	·316	·412	·353	53·1	63·2	49·6	55·38	·362	·235	·295	·318	91	41	85	76	S E b S	S W b S	S W	8·45	...	...
b	19	·549	·434	·549	·515	50·0	58·5	45·0	50·12	·283	·333	·268	·288	80	69	90	80	S b E	E b S	S S W	5·41	0·505	...
d	20	·547	·534	·598	·567	46·3	54·2	44·6	49·03	·282	·296	·295	·287	91	73	81	83	S b E	W N W	Calm	4·55	0·275	...
c	21	·636	·646	—	—	49·0	51·3	—	—	·286	·329	—	—	83	88	—	—	S S W	S S W	—	4·74	0·315	...
a	22	·822	·878	·918	·876	43·2	55·6	43·4	48·28	·228	·242	·250	·257	83	79	90	81	N W b N	S b W	S	3·78	Inap.	...
a	23	·969	·940	·853	·917	41·1	58·7	44·9	50·38	·217	·307	·231	·260	81	61	78	73	S	S E b S	S E	3·86	...	...
b	24	·799	·656	—	—	49·7	63 0	—	—	·235	·377	—	—	67	67	—	—	E b N	S E b E	—	3·71	0·765	...
c	25	·445	·442	·582	·481	54·7	67·5	59·9	51·15	·372	·463	·475	·459	89	71	94	87	S W b S	S S W	N N W	4·63	0·835	...
b	26	·675	·656	·661	·665	55·5	66·0	54·4	58·63	·385	·463	·413	·392	89	74	82	80	N b E	S W b S	Calm	3·63	...	...
b	27	·716	·700	·650	·687	56·0	68·9	52·4	59·33	·312	·382	·309	·344	71	56	80	69	S	E S E	S E	2·62	...	...
a	28	·624	·626	—	—	54·6	66·7	—	—	·363	·298	—		87	46	—	—	N E b N	S E	—	1·44	...	...
a	29	·634	·620	·564	·601	56·3	68·0	55·6	60·88	·381	·343	·315	·331	86	52	72	65	Calm	E S E	E b N	5·36	...	...
b	30	·526	·528	·669	·586	59·7	63·2	53·1	58·55	·289	·331	·179	·254	56	59	45	51	N E	S	N E b E	5·78	...	...
c	31	·830	·858	·886	·858	48·0	55·2	42·4	49·03	·151	·229	·159	·184	46	54	59	54	N E b.	S E b E	S E b S	4·78	...	...
																		Miles.	Miles.	Miles.	Miles.		
	M	29·574	29·548	29·577	29·566	47·33	58·67	28·41	52·26	0·266	0·312	0·269	0·288	73	64	79	74	4·54	7·85	3·73	5·38	1·630	0·0

Highest Barometer..... 29·986, at 8 a.m. on 23rd } Monthly range:
Lowest Barometer..... 29·066, at 4 p.m. on 17th } 0·920 inches.

Highest temperature.. 71°·4, at p.m. on 13th } Monthly range:
Lowest temperature... 25°·2, at a.m. on 7th } 46°·2.

Mean Maximum Thermometer..... 61°·82 } Mean daily range:
Mean Minimum Thermometer..... 37°·90 } 23°·92.

Greatest daily range..... 32°·2, from p.m. of 30th to a.m. of 31st.

Warmest day..... 13th. Mean temperature ..... 62°·43 } Difference,
Coldest day..... 6th. Mean temperature..... 33°·63 } 28°·80.

Sum of the Atmospheric Current, in miles, resolved into the four Cardinal directions.

North.	West.	South.	East.
1281·43	1111·95	1358·85	1289·14

Mean direction of the Wind, E 21° S.
Mean velocity of the Wind, 5·38 miles per hour.
Maximum velocity, 21·6 miles per hour, from 3 to 4 p.m. on 6th.
Most windy day, the 6th; mean velocity, 11·67 miles per hour.
Least windy day, the 28th; mean velocity, 1·44 " "
Raining on 11 days. Raining 39·7 hours; depth, 4·630 inches.
During the very heavy rain from 4·05 to 4·25 p.m. on the 25th, there fell 0·765 inches on the surface.
Snow, none. Hailstones fell on the 20th and 21st.
Thunderstorms on the 10th, 11th, 17th, 20th, and 25th.
Rainbows observed on the 8th and 11th.
Splendid meteor observed at 9 p.m. on the 12th; course, from S.W. to N.W.; time of flight, about 8s.
Sun eclipsed from 3·45 p.m. to 6·14 p.m. on the 26th.
Aurora observed on 6 nights.
Possible to see Aurora on 17 nights.
Impossible to see Aurora on 8 nights.

13th. Humming-bird seen near the top of the College Avenue.
14th. Wild strawberries in blossom.
17th. Plum-trees generally in full blossom.
20th. Wild cherry-trees in full bloom.
28th. Snake seen in the College Avenue.
30th. Chestnut-trees in the College grounds in blossom.
31st. Lilac-trees in bloom.

Comparative Table for May.

Year.	Temperature. Mean.	Max. obs'vd.	Min. obs'vd.	Range.	Rain. D's.	Inch.	Snow. D'ys	Inch.	Wind. Mean Vel'y.
	°	°	°	°					
1840	53·3	74·5	30·8	43·7	9	4·150	0	...	...
1841	50·5	76·2	26·6	49·6	11	2·350	1	Inap.	0·35 lb.
1842	49·1	74·3	30·0	44·3	7	1·275	0	...	0·53 lb.
1843	49·1	79·6	28·9	50·7	5	1·570	0	...	0·52 lb.
1844	53·6	77·7	29·0	48·7	14	5·670	0	...	0·30 lb.
1845	49·6	76·6	29·4	47·2	8	2·300	0	...	0·55 lb.
1846	55·5	78·1	34·3	43·8	9	4·375	0	...	0·46 lb.
1847	51·1	72·5	27·8	44·7	12	2·940	0	...	0·29 lb.
1848	54·1	78·5	31 9	46·6	13	2·520	0	...	4·93 Miles.
1849	48·0	72·5	32·7	39·8	16	5·115	0	...	5·33 Miles.
1850	47·6	76·3	31·1	45·2	7	0·545	1	Inap.	6·32 Miles.
1851	51·3	73·2	28·7	44·5	12	2·950	1	0·5	6·34 Miles.
1852	51·4	72·3	34·5	38·8	7	1·125	1	Inap.	4·00 Miles.
1853	50·9	78·4	38·4	40 0	17	4·420	1	Inap.	5·14 Miles.
1854	52·2	69·0	27·6	41·4	11	4·630	0	0·0	5·38 Miles.
									0·43 lb.
M'n.	51·41	75·38	30·78	44·60	10·5	3·002	0·3	0·03	5·35 Miles.