

1862.	BAROMETER.			TEMPERATURE OF AIR.				WARMEST DAY.		COLDEST DAY.		Humi- dity.	RAIN.	SNOW.	1862.
MONTH.	Highest.	Lowest.	Greatest Daily Range.	Highest Tempera- ture.	Lowest Tempera- ture.	Greatest Daily Range.	Least Daily Range.	Date.	Mean Tempera- ture.	Date.	Mean Tempera- ture.	Mean.	No. of Days.	No. of Days.	GENERAL REMARKS.
4. CORNWALL.—THE REV. H. W. DAVIES, M.A., Observer.															
February....	30.284	29.020	1.264	44.5	-7.7	36.8	11.5	12	30.2	25	2.9	78	1	12	* Swallows seen on the 9th. Canal opened on the 17th.
April*.....	30.226	29.428	.808	66.0	14.2	33.8	11.3	28	49.1	8	25.3	80	1	1	
August.....	29.971	29.253	.718	90.5	37.7	44.8	13.0	11	76.5	29	58.0	74	9	0	
November†..	30.597	29.116	1.481	62.0	11.5	35.5	9.3	1	48.7	7	24.0	78	3	6	
† At 9 p.m. on the 15th, the barometer stood at 30.597, the highest noted since observations were begun at this Station in 1858.															
5. HAMILTON.—A. MACALLUM, Esq., Observer.															
January.....	30.456	29.078	1.878	48.6	n. r.	n. r.	n. r.	10	37.2	3	9.9	76	7	11	* The abstracts from this Station are incomplete, with the exception of June.
April.....	30.007	29.026	1.051	75.0	19.7	39.0	7.9	16	62.48	7	28.73	68	8	3	
June.....	30.014	29.102	.912	90.8	30.1	41.7	4.4	27	80.8	19	53.1	67	7	—	
October.....	29.938	29.127	.811	83.0	34.2	23.0	4.2	8	76.7	25	40.5	8	14	3	
6. L'ORIGINAL.*—A. McNAUGHTON, Esq., Observer.															
January.....	30.203	29.221	.982	38.5	-19.8	46.1	16.4	9	31.0	14	-1.80	79	n. r.	n. r.	* The abstracts from this Station are incomplete, with the exception of June.
April.....	30.045	29.118	.927	69.9	3.2	45.2	16.1	17	50.9	8	23.4	69	n. r.	n. r.	
June.....	29.975	29.131	.844	92.4	43.0	38.5	12.1	28	77.7	19	56.2	60	6	—	
October.....	29.851	29.003	.878	80.7	22.8	43.7	6.4	8	71.8	27	32.3	80	16	n. r.	
7. NIAGARA.—THE REV. H. PHILLIPS, M.A., Observer.															
January.....	30.354	29.090	1.264	48.4	5.6	31.3	6.5	10	38.9	4	12.1	88	4	13	* During this month, several birds of the order <i>Insectores</i> were seen. On 20th, a hawk was seen. 27th, first vessel on the lake.
February.....	30.187	29.045	1.142	41.9	1.3	27.7	5.2	18	34.6	14	13.6	84	5	15	
March*.....	29.920	28.948	.981	45.4	13.5	28.2	3.7	10	40.6	1	21.7	84	7	12	
8. OTTAWA.—THOMAS TUBMAN, Esq., Observer.															
February.....	30.171	29.108	1.063	37.6	-11.8	32.9	5.0	18	28.4	15	4.3	74	0	10	* Steamboats commenced their trips between Ottawa and Montreal on the latter part of this month.—Tributaries of the river Ottawa very high, overflowing railway tracks, carrying off bridges, &c.
March.....	30.008	29.050	.923	54.3	9.1	34.0	7.0	23	37.3	1	14.3	73	4	12	
April*.....	30.190	29.115	1.075	71.2	16.3	33.0	9.9	17	58.6	5	26.4	64	9	1	
June.....	30.127	29.145	.982	89.3	40.8	33.5	11.8	28	76.4	15	51.1	56	8	—	
9. PICTON.—F. F. McNAB, Esq., B.A., Observer.															
January.....	30.242	29.204	1.038	46.1	0.6	35.6	6.5	9	37.7	13	5.5	87	—	15	Mar. 28.—A very bright meteor, moving from south to north, a little east of the Zenith, was seen at 9.30 p.m.
February.....	30.054	28.948	1.106	41.7	-5.0	30.8	8.4	13	36.0	25	5.9	86	1	18	
March.....	29.920	28.993	.927	45.0	5.8	29.5	5.0	10	38.3	1	17.5	82	7	11	
May.....	29.928	29.144	.779	87.5	34.0	44.6	9.1	17	68.8	24	45.5	74	4	—	
10. STRATFORD.—C. J. MACGREGOR, Esq., M.A., Observer.															
January.....	29.259	28.109	1.150	40.1	-17.7	29.3	3.4	9	32.8	14	1.4	57	4	16	Wild pigeons seen on the 12th of April, and frogs heard on the 16th.
April.....	29.175	28.130	1.045	69.2	15.8	30.3	4.4	16	62.7	7	26.1	70	7	2	
June.....	29.155	28.295	.860	79.6	33.1	41.6	8.8	28	70.0	19	50.7	71	8	—	
October.....	29.123	28.227	.896	74.6	23.7	26.5	5.5	8	69.9	25	32.0	84	15	3	
11. WHITBY.—WILLIAM McCABE, Esq., Observer.															
January.....	30.072	28.951	1.121	41.6	-4.4	n. r.	n. r.	1	40.6	4	4.4	74	n. r.	n. r.	
April.....	29.870	28.950	.920	71.8	18.4	38.2	9.0	16	63.8	7	28.4	87	n. r.	n. r.	
June.....	29.725	28.918	1.207	90.8	33.0	40.8	21.8	10	66.9	7	54.6	95	n. r.	n. r.	
October.....	29.570	28.365	1.205	75.6	32.6	47.4	27.8	15	65.1	27	39.6	89	n. r.	n. r.	

NOTE.—No returns were received from eight Stations during the year 1862, viz., Barrie, Chatham, Guelph, Milton, Perth, Peterborough, Port Sarvia, and Woodstock.

#### 4. ATMOSPHERIC PHENOMENON IN TORONTO.

From dusk last evening until after midnight, the heavens presented a beautiful appearance. A belt of light nebulous matter—very much resembling the aurora borealis—stretched along the entire arc of the heavens, from horizon to horizon, in an east and west direction, and passing through the zenith. It may have been a streak of northern light; but it differed from the aurora in this, that it was quite stationary—resembling the tail of a comet rather than the dancing, changeable movement of the aurora. A correspondent writes as follows: Although my observation of it was limited I remarked in those few moments that it arose in the S.E. by E. and stretched across the sky, passing a few degrees south of the zenith, to an opposite point in the horizon, about N.W. by W., and, like the northern lights, was not visible within a few degrees of the horizon at either end of the arc. But the most extraordi-

nary circumstance was its constant motion from its S.E. extremity to where it terminated in the N.W. flowing in a constant stream, and during the short time I examined it, appeared to be divided into two belts, that were occasionally blended together in places, and ever changing their shapes—small streams constantly breaking off and fringing its edge. Now the lowest approach that the aurora ever makes to the earth is computed at 50 miles, or five miles above the limit of the atmosphere, as deduced from crysenser reverberations. But this extraordinary luminous belt would not have appeared to be at a greater height than a summer cloud, for the aurora, as generally seen, is an indefinable nebulous light; while the unassisted eye could readily resolve this shining band into its compound particles, and it had more the appearance of a luminous vapour than of an electrical light. Now, although my readings in this branch of science have been limited, and it is