

ABSTRACT OF METEOROLOGICAL OBSERVATIONS MADE AT SOME OF THE SENIOR COUNTY GRAMMAR SCHOOL STATIONS IN UPPER CANADA, DURING THE YEARS 1859, 1860, 1861, AND 1862.

(Compiled at the Educational Department, Toronto.)

NOTE.—As the prescribed monthly Meteorological Reports have not been regularly received from the different Stations (see Tables A and B), we are not able to insert a complete abstract for the entire year; we have, however, selected four monthly reports of each year, the calculations in which are actually correct.

1859.	BAROMETER.			TEMPERATURE OF AIR.				WARMEST DAY.		COLDEST DAY.		Humidity.	RAIN.	SNOW.	1859.
	MONTH.	Highest.	Lowest.	Greatest Daily Range.	Highest Temperature.	Lowest Temperature.	Greatest Daily Range.	Least Daily Range.	Date.	Mean Temperature.	Date.				

1. BARRIE.—REV. W. F. CHECKLEY, B.A., Observer.

January	29.531	28.414	.458	46.6	-37.0	40.0	1.4	20	40.6	8	-1.0	66	..	9	
June	29.478	28.822	.471	91.1	23.0	42.6	14.1	28	76.4	4	36.6	44	10	..	
August	29.330	28.976	.120	91.6	44.0	37.9	5.4	10	77.9	29	52.8	54	5	..	
October	29.449	28.698	.462	78.3	19.8	28.0	4.6	4	65.9	26	28.8	36	7	2	

2. BELLEVILLE.—A. BURDON, Esq., Observer.

January	30.292	28.924	.669	46.3	-30.0	36.7	5.0	20	40.1	10	19.1	86	2	7	
April	29.966	28.980	.531	69.6	20.7	27.3	7.5	30	58.7	5	29.6	69	7	..	Aurora on the 29th of April.
June	29.912	29.288	.452	83.5	33.8	33.9	8.8	27	76.4	4	40.5	76	6	..	
October	29.936	29.064	.596	76.5	17.4	26.4	7.0	4	62.8	26	27.0	78	5	..	

3. CHATHAM.—G. JAMIESON, Esq., Observer.

January	29.910	28.807	.519	47.5	-16.0	33.0	3.0	20	41.8	10	0.5	79	3	1	
February	29.655	28.927	.502	56.2	-1.5	38.6	6.9	19	40.7	7	12.6	80	4	4	
July	29.806	29.062	.301	95.0	40.2	37.5	12.6	18	80.2	5	61.3	72	4	..	
October	29.702	29.049	.404	76.5	21.6	37.9	4.3	13	59.5	27	29.4	75	4	4	

4. CORNWALL.—REV. H. W. DAVIES, M.A., Observer.

January	30.523	29.005	.529	49.0	-7.1	38.7	4.1	21	36.6	12	-6.9	71	N. R.	2	
March	30.338	28.491	.596	57.7	-3.8	28.4	3.8	29	45.2	1	7.7	78	6	2	
June	29.987	28.906	.731	78.2	34.2	33.3	7.1	2	70.0	4	42.9	80	5	..	
October	30.103	29.223	.453	77.2	17.7	42.6	6.3	13	63.7	20	20.8	76	3	3	

5. HAMILTON.—A. MACALLUM, Esq., Observer.

January	30.452	28.889	.667	47.4	-29.7	41.4	4.6	20	45.0	10	-14.4	78	4	2	
April	29.937	28.785	.549	59.5	24.6	27.6	7.6	12	53.7	5	31.9	75	3	4	Two Auroras seen in April.
June	29.946	29.246	.488	80.5	37.5	33.0	10.5	15	70.5	4	39.6	76	9	..	
October	29.930	29.329	.372	76.7	24.1	40.3	11.3	4	68.7	26	27.0	70	8	2	

6. PERTH.—R. T. LIVINGSTONE, Esq., Observer.

September	29.820	28.694	.727	74.2	27.8	35.2	7.0	12	63.2	14	42.7	N.R.	15	1	
October	29.779	28.830	.730	73.8	14.6	38.2	10.1	5	62.5	26	23.4	75	7	..	First Snow on the 14th of Sept., at 7 a.m.
November	29.946	28.744	1.062	63.8	13.4	27.8	8.1	5	51.8	29	18.8	84	N.R.	N.R.	
December	30.189	28.924	.825	64.6	-30.2	39.1	6.1	1	41.0	28	19.6	82	N.R.	13	

7. SARNIA.—W. B. EVANS, Esq., M.A., Observer.

January	29.920	28.715	.605	46.4	-23.6	33.8	3.5	14	29.9	10	-1.0	91	2	4	On April 19th, a white luminous streak was visible in the heavens for about an hour. It was first seen at 8 p.m., extending from E. hor. to Z.; afterwards to W. hor. forming an arch.
April	29.739	28.586	.576	66.1	24.7	33.9	3.8	11	55.9	4	39.9	91	2	..	
October	29.648	28.969	.450	N.R.	25.5	N.R.	N.R.	5	65.6	26	28.1	92	2	..	
December	29.932	28.831	.624	53.9	3.6	35.9	4.1	13	46.6	9	9.7	95	1	7	

8. WHITBY.—WILLIAM McCABE, Esq., Observer.

January	30.327	29.428	.432	48.8	-22.6	43.2	1.8	21	35.6	11	6.4	72	1	4	
March	30.225	28.413	.364	59.6	16.9	31.8	8.8	28	50.1	1	16.7	73	10	1	
July	30.132	29.291	.408	91.6	53.9	40.8	15.8	12	82.1	26	56.6	76	4	..	
October	30.047	29.132	.703	70.6	21.3	..	..	6	60.1	26	27.7	76	4	..	

NOTE.—No returns were received from four stations during 1859, viz.: Niagara, Milton, Guelph, and Picton.

1860.

1. BARRIE.—REV. W. F. CHECKLEY, B.A., Observer.

February	29.486	28.826	.709	51.6	-30.1	44.6	7.1	22	44.4	10	1.7	62	5	6	
March	29.436	28.571	.368	60.6	-0.3	41.1	13.8	3	42.3	12	13.6	74	7	..	
May	29.357	28.517	.301	89.1	19.8	46.6	10.4	30	65.9	2	42.6	77	7	..	

2. BELLEVILLE.—A. BURDON, Esq., Observer.

January	30.123	29.222	.662	43.7	-14.4	40.1	8.5	24	38.9	2	-3.8	85	3	8	
February	30.101	29.068	.731	48.1	-12.5	38.0	8.6	22	43.9	17	-2.6	86	4	6	
April	30.210	29.025	.957	67.0	14.4	35.8	8.1	36	58.1	2	22.1	69	6	1	
June	29.825	28.993	.369	79.7	49.9	27.2	4.6	28	70.6	9	55.6	76	11	..	