

Contributions to the Climatology of British North America.

In Table III. the final columns headed "Year" contain the averages (for three or more years) of the absolutely highest and lowest temperatures in the year, without reference to the months of their occurrence, which need not necessarily be July and January. Of all the stations Hamilton shows the highest maximum and Pembroke the lowest minimum, while on the other hand Goderich has the lowest maximum and the highest minimum.

TABLE III.

MEANS of the absolutely Highest Temperatures in each Month and Year:—

	No. of Years.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Barrie .....	3	42.3	49.6	54.8	71.3	75.9	84.3	89.3	86.0	87.2	78.0	62.6	46.6	91.8
Belleville .....	4	40.8	41.8	48.2	68.4	76.4	83.3	70.8	83.7	80.5	70.3	55.0	45.2	91.5
Goderich .....	3	43.2	44.4	53.4	69.1	74.0	83.2	85.4	85.6	78.0	69.6	60.5	45.2	87.2
Hamilton .....	4	47.0	50.8	53.8	72.8	80.2	90.8	77.9	93.0	87.9	79.1	62.4	52.4	99.2
Pembroke .....	3	38.2	43.4	57.2	67.2	85.7	89.7	82.3	86.6	82.1	72.9	58.5	37.3	92.3
Peterborough .....	3	39.5	42.2	50.0	67.5	77.7	87.0	81.9	88.8	84.0	72.4	56.7	44.2	92.9
Simcoe .....	3	44.1	51.0	57.2	70.7	73.4	86.1	70.9	87.3	81.7	74.2	60.3	46.6	92.0
Stratford .....	5	39.3	42.6	51.1	67.3	75.1	82.1	77.7	83.8	79.5	69.6	55.1	46.5	88.7
Windsor .....	3	45.3	54.8	59.6	74.0	78.5	88.1	83.2	90.6	85.3	77.2	63.1	48.3	94.7

MEANS of the absolutely Lowest Temperatures in each Month and Year:—

	No. of Years.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Barrie .....	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Belleville .....	4	-19.9	-15.2	-3.8	17.0	25.6	35.2	46.2	41.5	33.3	24.3	8.0	-14.2	-27.4
Goderich .....	3	-15.2	-11.3	-4.7	19.0	29.6	42.1	50.5	43.4	33.9	22.8	11.8	-10.8	-15.9
Hamilton .....	4	1.0	3.1	1.4	20.0	24.6	38.7	47.8	45.6	36.1	27.5	16.2	0.4	-8.9
Pembroke .....	4	-9.6	-5.5	-7.0	17.1	27.3	34.6	46.1	42.1	31.8	20.8	11.5	-3.8	-14.1
Peterborough .....	3	-30.6	-28.3	-28.3	6.7	21.6	34.3	43.1	37.3	28.2	15.2	-1.2	-22.0	-34.5
Stratford .....	3	-18.9	-15.6	-16.0	13.7	24.4	37.5	43.7	38.0	29.0	15.0	3.8	-16.0	-23.0
Windsor .....	5	-9.3	-8.7	-6.8	18.2	27.8	36.5	43.8	38.8	30.3	22.3	13.1	-3.8	-16.3
Windsor .....	3	-8.7	-6.7	-2.2	19.5	32.5	42.4	50.1	48.4	34.5	22.2	12.8	0.7	-14.0

The absolute annual ranges, or the differences between the highest and lowest readings in Table III., have an average value of 111°.5. At Pembroke the range is greatest (126°·8) and at Goderich it is least (96°·1). It appears, then, that Goderich, with reference to the annual period, has a temperature, in every point of view, more equable than that of any other of these stations.

TABLE IV.

APPROXIMATE Mean Diurnal Inequalities or Variations of Temperature, being the Differences of the Monthly Mean Temperatures at 7 A.M., 1 P.M., and 9 P.M., above or below the Monthly Means for these three hours combined.

Barrie (3 years.)

Hour.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year
7 A.M. ....	-2.9	-4.2	-3.8	-4.0	-2.6	-2.8	-3.6	-3.5	-3.5	-3.6	-3.0	-2.5	-3.3
1 P.M. ....	+4.1	+5.1	+5.5	+6.3	+5.7	+5.9	+5.9	+6.3	+7.0	+6.2	+3.4	+3.2	+5.4
9 P.M. ....	-1.2	-1.0	-1.6	-2.4	-3.1	-3.2	-2.3	-2.7	-3.5	-2.6	-1.0	-0.7	-2.1
Belleville (4 years.)													
7 A.M. ....	-3.7	-4.2	-4.1	-4.3	-3.8	-3.3	-3.6	-4.0	-4.0	-4.9	-3.4	-3.2	-3.9
1 P.M. ....	+3.5	+3.4	+4.1	+5.4	+5.2	+5.5	+5.6	+5.8	+5.9	+5.9	+3.4	+3.0	+4.7
9 P.M. ....	+0.2	+0.8	0.0	-1.1	-1.5	-2.3	-2.0	-1.9	-1.8	-1.0	0.0	+0.1	-0.9
Goderich (3 years.)													
7 A.M. ....	-1.7	-2.2	-3.2	-1.9	-1.2	-1.4	-1.7	-1.7	-2.4	-2.7	-1.5	-1.5	-1.9
1 P.M. ....	+1.5	+2.2	+2.9	+2.8	+2.1	+2.3	+3.2	+4.3	+4.1	+3.6	+2.1	+1.8	+2.8
9 P.M. ....	+0.1	0.0	+0.3	+0.9	-0.8	-1.3	-1.4	-2.5	-1.6	-0.8	-0.5	-0.4	-0.8
Hamilton (4 years.)													
7 A.M. ....	-2.5	-3.8	-3.8	-3.3	-2.8	-3.0	-4.4	-4.9	-4.5	-5.4	-3.5	-3.0	-3.8
1 P.M. ....	+3.6	+3.9	+4.5	+5.7	+5.3	+6.7	+7.8	+8.2	+7.7	+7.8	+4.7	+3.4	+5.8
9 P.M. ....	-1.0	0.0	-0.6	-2.4	-2.6	-3.6	-3.3	-3.3	-3.2	-2.3	-1.2	-0.4	-2.0
Pembroke (3 years.)													
7 A.M. ....	-4.8	-6.2	-7.3	-4.7	-4.5	-4.5	-5.2	-4.1	-4.8	-5.0	-2.7	-3.7	-4.8
1 P.M. ....	+3.9	+5.0	+5.7	+5.2	+5.3	+5.5	+5.7	+5.2	+5.4	+5.0	+2.1	+3.1	+4.8
9 P.M. ....	+0.9	+1.3	+1.5	-0.5	-0.8	-1.0	-0.5	-1.1	-0.7	-0.1	+0.7	+0.7	0.0
Peterborough (3 years.)													
7 A.M. ....	-4.2	-5.5	-6.0	-4.2	-3.7	-3.6	-4.1	-4.7	-5.2	-5.8	-3.3	-3.8	-4.5
1 P.M. ....	+5.1	+5.6	+6.7	+6.2	+6.1	+7.5	+8.0	+8.4	+8.5	+7.8	+4.2	+4.2	+6.5
9 P.M. ....	-0.9	0.0	-0.6	-2.0	-2.5	-3.8	-3.8	-3.7	-3.4	-1.9	-0.9	-0.4	-2.0
Simcoe (3 years.)													
7 A.M. ....	-2.7	-4.2	-5.0	-4.0	-3.3	-4.4	-4.7	-5.0	-4.4	-5.0	-2.6	-2.5	-4.0
1 P.M. ....	+3.8	+3.8	+5.3	+6.3	+6.3	+7.1	+7.7	+7.6	+7.2	+6.9	+4.5	+3.3	+5.8
9 P.M. ....	-1.0	+0.2	-0.3	-2.3	-3.1	-2.6	-3.1	-2.6	-2.9	-1.9	-1.9	-0.8	-1.8