TABLE I.

Mean Temperatures of the several months, for certain Stations in Canada, from June, 1869, to May, 1870. The Stations are arranged in the order of their latitudes. (*a*)

STATION.	Latitude.	Longitude.	Height above Sea Level.	1869.							1870.				
				June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.
	° ′	H.M.	Ft.	°	°	°	°	°	°	°	°	°	°	°	°
†Windsor, Ontario	42 20	5 32	620	63.0	70.1	69.4	63.0	43.6	35.3	29.9	26.3	24.8	29.7	49.8	61.7
†Simcoe	42 51	5 21	716	61.3	67.9	67.2	62.4	43.8	34.3	29.8	27.2	23.8	29.3	48.2	60.2
†Hamilton	43 12	5 19	324	61.4	68.4	66.7	63.5	43.8	35.0	30.0	26.1	23.2	27.1	46.3	58.9
†Stratford	43 25	5 24	1182	58.0	64.5	63.6	58.5	40.1	30.8	26.7	22.0	19.8	24.9	45.3	57.9
Toronto	43 39	5 18	342	58.4	64.5	63.6	60.7	42.3	32.7	28.7	24.4	21.5	26.3	44.6	56.3
†Goderich	43 45	5 27	715	57.3	65.3	64.0	60.9	43.7	34.0	29.4	25.3	21.8	26.1	45.8	57.0
†Belleville	44 10	5 10	307	60.6	66.6	65.6	62.4	43.2	32.1	26.7	22.3	18.6	25.3	45.6	59.2
†Peterborough	44 20	5 14	629	61.0	67.3	64.9	61.1	40.6	30.1	25.0	19.7	17.2	24.9	46.0	59.4
†Barrie	44 25	5 19	779	59.8	68.1	65.6	64.1	43.4	32.6	26.9	21.6	17.7	25.1	46.2	59.9
Halifax	44 44	4 14	125	58.9	63.5	59.6	57.5	48.4	36.8	32.0	29.9	24.6	28.8	41.2	47.1
Cornwall	45 00	4 59	176	64.0	68.6	64.6	62.3	45.2	31.6	23.5	20.0	15.1	24.6	46.1	57.3
†St. John, N.B.	45 10	4 24	135	55.3	59.4	58.9	55.3	46.6	34.2	26.6	25.3	21.1	27.6	40.1	45.3
Montreal	45 30	4 54	182	58.8	68.5	65.7	65.6	46.1	30.3	22.9	19.2	16.7	26.9	47.1	60.7
†Pembroke	45 50	5 09	400	58.8	66 0	63.4	60.9	41.8	29.2	20.0	14.4	10.3	22.1	45 7	56.8
Glace Bay, C. Breton, N.S.	46 10	4 00	60	54.3	59.8	61.3	57.0	48.6	37.5	30.0	28.9	24.6	27.9	37.3	42.9
Quebec	46 49	4 45	327	62.1	66.3	62 9	60.8	45.3	29.1	18.7	15.7	13.0	22.3	41.7	54.9

(*a*) A different arrangement of the stations will be adopted when they become more numerous.

TABLE II.

Deviations or differences of the Mean Temperatures, in the foregoing Table, from the average Means derived from three or more years, the deviations being marked (+) or (—) according as the Means in Table I. are greater or less than the standards with which they are compared:—

STATIONS.	No. of years included in average.	1869.							1870.				
		June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April.	May.
		°	°	°	°	°	°	°	°	°	°	°	°
Simcoe	3	—3.1	—3.1	+0.1	+3.6	—1.3	—1.9	+4.5	+4.8	—1.3	+0.8	+6.2	+ 8.5
Hamilton	4	—2.8	—4.5	—1.0	+3.2	—3.5	—2.9	+4.0	+2.8	—1.9	—2.1	+3.8	+ 8.0
Stratford	9	—4.2	—2.6	—0.9	+1.7	—4.8	—4.3	+1.9	+2.1	—2.0	—1.9	+4.0	+ 6.8
Toronto	10	—3.6	—3.4	—2.4	+3.5	—4.0	—4.5	+3.8	+2.7	—2.1	—3.7	+3.5	+ 4.2
Goderich	3	—3.9	—3.1	—2.0	+1.7	—2.5	—2.9	+3.4	+1.9	—2.4	—1.5	+6.5	+ 8.5
Belleville	4	—3.6	—4 7	—1.0	+3.4	—2.8	—2.7	+5 3	+3.9	—2.4	—1.6	+3.8	+ 7.3
Peterborough	3	—4 0	—3.8	—2 3	+3.2	—1.8	—1.5	+5.7	+2 8	—2.0	—0.6	+6.8	+ 7.2
Barrie	3	—3.0	—1.1	+1.2	+5.1	—4.0	—2.5	+3.8	+2.1	—5.2	+0.1	+5.9	+11.2
Halifax	7	—1.1	+0.4	—3.4	—0.2	+3.1	—1.6	+6.1	+8.1	+0.9	+0.7	+3.3	+ 0.1
St. John, N.B.	9	+0.8	—0 2	—0.5	+0.7	+1.3	—2.0	+3.8	+7.4	—0.5	+0.4	—3.1	— 1.8
Montreal	..	—7.2	—1.2	—0.5	+7.1	+1.0	—2.0	+4.2	+5.2	+0.6	—0.6	+7.1	+ 7.3
Pembroke	3	—5.3	—4.5	—3.3	+3.1	—0.8	—0.6	+7.3	+2.4	—3.2	—1.2	+8.3	+ 5.8
.....	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quebec	..	—1.0	—1.1	—3.5	+3.2	+0.6	—4.6	+1.9	+4.2	+2.1	—1.6	+3.9	+ 4.0

The different Stations compared with reference to their fluctuations of temperature.

If the numbers in Table II. (disregarding their signs) be taken as measures of the fluctuations of temperature, it will be found, taking one month with another, that the average fluctuation of the monthly means for the whole of Ontario is 3°·46, which is all but identical with that for Toronto, and that there is little difference in this respect between the Ontario Stations, the highest being 3°·82 at Pembroke, and the lowest 3°·12 at Stratford.

At Montreal the analogous number is 3°·67, at St. John's 1°·88, and at Halifax 2°·42. Hence of all the stations St. John's has been the least abnormal as respects monthly mean temperatures.

General comparison of months and seasons with respect to the deviations of the monthly means of temperature, as given by Table II.

The deviations in Table II. in the same month, have the same signs at all the stations in Ontario, excepting twice at Barrie, and twice at Simcoe. At Montreal also, for the most part, the deviations accord in sign with those of Ontario; but at St. John's and at Halifax, in several months, the deviations have signs contrary to those of Ontario, a striking example of which occurs in October, 1869, on which occasion, while in Ontario the temperature was 2°·8 colder than usual, at Halifax it was 3°·1 warmer, and at St. John's 1°·3 warmer.

Combining the deviations in the same month at all the Ontario stations, we see from the annexed table that June, 1869, was *relatively* the coldest month in Ontario, and May, 1870, the warmest; also,