TABLE VI—*Continued.*

	July	August	Sept.	October	Nov.	Dec.
Temperature.....................	+23°·24	+21°·95	+13°·79	+1°·62	−7°·28	−18°·21
Barometer.....................	−0·020	+0·004	+0·043	+0·030	−0·006	+0·034
Pressure of Dry Air.............	−0·245	−0·216	−0·081	+0·039	+0·074	+0·172
Pressure of Vapour.............	+0·225	+0·220	+0·124	−0·009	−0·080	−0·138
Relative Humidity..............	−4	−1	+1	+2	+4	+4
Sky Clouded...................	−0·12	−0·13	−0·12	0·00	+0·14	+0·13

Table VII contains the monthly and annual means of temperature and of other elements compiled from observations made by Dr. Smallwood at Isle Jesus, near Montreal, and published by him in the *Canadian Journal*. The observations were made daily at 6 A.M., 2 P.M., and 10 P.M. The means are derived from the records of ten years, from October, 1853, to September, 1862, inclusive.

TABLE VII.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Temperature	10°·91	14·35	26·18	39·15	55·24	64·69	69·58	66·45	57·70	45·49	31·89	14·46	41·34
Barometer*.........	0·861	0·730	0·689	0·753	0·743	0·723	0·768	0·789	0·841	0·817	0·767	0·756	0·770
Depth Rain in inches	0·451	0·457	0·856	3·751	4·481	5·713	5·442	4·949	6·018	5·610	4·913	1·099	43·740
Depth Snow in inches	21·38	19·79	12·83	4·43	0·33	.....	.....	.....	inap.	1·20	7·09	18·62	85·67
Total Precipitation..	2·589	2·436	2·139	4·194	4·514	5·713	5·442	4·949	6·018	5·730	5·622	2·961	52·307
Days of Rain.......	2·9	2·6	3·8	8·7	10·2	11·8	10·1	11·3	11·9	11·6	9·1	3·0	97·0
Days of Snow.......	11·0	9·7	8·7	2·8	0·4	.....	.....	.....	.....	1·1	6·2	10·1	50·0
Days of Precipitation	13·9	12·3	12·5	11·5	10·6	11·8	10·1	11·3	11·9	12·7	15·3	13·1	147·0

TABLE VIII.

MEAN Annual Variations of Temperature and Barometric Pressure at Isle Jesus, derived from Table VII.

	January	February	March	April	May	June
Temperature	−30°·43	−26°·99	−15°·16	−2°·19	+13°·90	+23°·35
Barometer.................	+0·091	−0·040	−0·081	−0·017	−0·027	−0·047

	July	August	Sept.	October	Nov.	Dec.
Temperature	+23°·24	+2°·11	+15°·36	+4°·15	−9°·45	−26°·88
Barometer.................	−0·002	+0·019	+0·071	+0·047	−0·003	−0·014

A few remarks will now be made with reference to the several elements.

TEMPERATURE.

Professor Dove by taking the average of the normal mean temperatures at thirty-six equidistant points on the same parallel, and deduced from† such materials as were at his command,† computed what he termed the mean normal proper to the *parallel of latitude*, as distinguished from the mean normal proper to the *place*. According to Dove the annual mean temperature for the parallel of Toronto is 51°; hence on the average of the year the temperature of Toronto is nearly 7°, or (allowing for elevation,) nearly 6° colder than the temperature due to its latitude; or to use the ordinary term, the thermic anomaly of Toronto is 6° in defect. The anomalies are in defect throughout the year, but less so in the warmer than in the colder months.

Secular Changes and Non-Periodic Variations of Annual Means.

There is no decided indication of any progressive change in the temperature of Toronto, *as a whole*, furnished by the annual means. The non-periodic variations in single years are very moderate in extent, their average value without regard to sign being 0°·62, and their extreme values 2°·18 in excess in 1846, and 2°·00 in defect in 1856.

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* The fractions by which the heights of the barometer exceed 29 inches are alone printed.

† Dove on the distribution of heat on the surface of the globe.