

That the change in the time when the greatest cold occurs in Toronto has been a progressive change, is shown by comparing the means of January and February in groups of five years:

1841-45, Jan. warmer than Feb. by $\frac{5}{8}$ 2.6	1856-60, Jan. colder than Feb. by $\frac{0}{3}$ 0.3
1846-50, " " " " $\frac{2}{6}$ 2.6	1861-65, " " " " $\frac{1}{5}$ 1.5
1851-55, " " " " $\frac{0}{9}$ 0.9	1866-70, " " " " $\frac{2}{1}$ 2.1

The following are ranges of temperature at Toronto collected into yearly averages:—

	Maxi- mum.	Mini- mum.	Daily Range.	Greatest Daily Range.
1841-45 ...	52.62	36.14	16.48	1841-52... 26.28
1853-61....	51.00	35.50	16.19	1853-61... 27.34
1862-71....	52.12	36.95	15.17	1862-71... 26.22
The whole	52.12	36.22	15.90	1841-71... 26.60

The following are averages for the year, found from monthly averages:—

	Highest Maximum.	Lowest Minimum.	Monthly Ranges.
1841-52.....	66.21	19.82	46.39
1853-61.....	66.78	19.13	46.65
1862-71.....	66.86	20.52	46.34
1841-71.....	66.58	19.84	46.74

The following are quarterly averages of Barometric Observations at Toronto:—

MAXIMA.

Years.	Winter.	Spring.	Summer.	Autumn.
1841-52	30.2311	30.0783	29.9251	30.0654
1853-61	30.2249	30.0585	29.8795	30.0813
1862-71	30.2329	30.0173	29.9107	30.1096
1841-71	30.2331	30.0513	29.9073	30.0959

MINIMA.

Years.	Winter.	Spring.	Summer.	Autumn.
1841-52	28.9175	29.0143	29.2329	29.0831
1853-61	28.9851	28.9891	29.2113	29.0231
1862-71	28.9189	29.0284	29.2093	29.1131
1841-71	28.9231	29.0115	29.2191	29.0763

RANGES.

Years.	Winter.	Spring.	Summer.	Autumn.
1841-52	1.3186	1.0640	0.6922	1.0123
1853-61	1.2398	1.0694	0.6682	1.0551
1862-71	1.3140	0.9839	0.0714	0.9994
1841-71	1.3160	1.0398	0.6682	1.0206

Annual fall of rain and snow at Toronto in two equal groups, 1846-53 and 1859-71:—

Years.	Rain.	Snow.	Total.
1846-53.....	28.552	60.82	34.634
1859-71.....	27.659	78.46	35.435

Change..Dec. 0.913 Inc. 17.64 Inc. 0.851

Number of day's rain and snow at Toronto in the same:—

Years.	Rain.	Snow.
1846-53.....	106.4 days.	53.6 days.
1859-71.....	120.3 days.	76.0 days.

Change..Inc. 13.9 days. Inc. 22.4 days.

Average of heaviest falls at Toronto:—

in 1846-53 was 2.108 inches,
and in 1858-71 was 1.956 inches.

Heaviest fall of snow in the year, on a single day, at Toronto:—

Year.	Inches.	Year.	Inches.
1853	6.5	1863	16.0
1854	5.5	1864	10.0
1855	15.0	1865	7.0
1856	5.8	1866	6.0
1857	5.5	1867	15.0
1858	6.0	1868	12.0
1859	6.0	1869	9.0
1860	9.0	1870	16.0
1861	8.0	1871	12.0
1862	9.0		

Mean velocity of the Wind, on the average of the year for each of the sixteen points, for the seven years, 1853-59 inclusive:—

N.....	7.31	E.....	8.40
N.N.E.....	6.3	E.S.E.....	6.05
N.E.....	6.2	S.E.....	5.22
E.N.E.....	8.57	S.S.E.....	5.73
S.....	6.64	W.....	10.72
S.S.W.....	7.46	W.N.W.....	19.89
S.W.....	8.05	N.W.....	10.90
W.S.W.....	9.85	N.N.W.....	9.63