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SEPTEMBER AND OCTOBER CLIMATIC DATA FOR TORONTO

The urban area of greater Toronto extends for some thirty miles along the north shore of Lake Ontario, and is about twenty miles wide in the central portion. Central Toronto largely built upon a plain sloping back from the lake where the elevation is 245 feet above mean sea level, while at the northern limits of urban development the land is about 700 feet above MSL.

Toronto has a continental type of climate which is moderated by the presence of the Great Lakes. Being in the latitude zone of the westerlies, it has an extremely variable climate from year-to-year, and even from day-to-day, as weather disturbances and different air masses move across the area usually from the western sector.

Daily temperatures drop gradually during the autumn months from average highs of 75°F at the beginning of September to 57 by the end of October, while at night lows fall from an average of 52°F early in September to 39 at the end of October. In the last 30 years the temperatures have dipped below freezing on an average of two days every October. Variations from one year to another can be fairly wide, monthly mean temperatures averaging as much as 5 degrees above or below the long-term average once in every 10 years. Temperatures on individual days can vary even more widely as is shown by the extreme range, of temperature of 100°F to 28°F in September, and 86° to 16°F in October. However, such extreme variations are once in a lifetime occurrences.

Precipitation is not heavy in either month as the averages show. Measurable rain has being reported on about one day in three but on many days with rain the amounts which fall are slight and the rain lasts only a short time. Heavier rains do occur, daily amounts being as great as one inch about once in each month. The heaviest daily rain which the Toronto area has experienced in 120 years of record was 3.42 inches, in mid-October 1954.

Some climatic data for the months of September and October are given on page 2.

Climatology Division,
Meteorological Branch,
Department of Transport,
315 Bloor Street West,
Toronto 5, Ontario.

April 27, 1966.

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TEMPERATURE

	September		October	
	°F	°C	°F	°C
Mean Daily Temperature	62	16.7	51	10.6
Mean Daily Maximum	71	21.7	59	15.0
Mean Daily Minimum	53	11.7	43	6.1
Extreme Highest	100	37.8	86	30.0
Extreme Lowest	28	-2.2	16	-8.9

DATE OF FIRST FROST IN FALL
(Minimum Temperature of Less than 32.5°F)

Average October 15 Earliest September 21 Latest November 14

RAINFALL	September	October
Average	2.56 in. 65 mm.	2.36 in. 60 mm.
Days with Rain	11	10
Thunderstorm Days	3	1
BRIGHT SUNSHINE (HOURS)		
Mean Daily	6.6	5.0
Percent of Possible	52%	45%
RELATIVE HUMIDITY		
Mean at 1300 EST	50%	58%
Monthly Mean	70	72
WIND		
Mean Speed	9.6 m.p.h.	10.0 m.p.h.
Prevailing Direction	E, SW and NW	SW