of the year. Winters are long and extremely cold, and during the warmest month of the year average temperatures are below 50°F. On an annual basis, the region is much colder than any other part of Canada and precipitation totals are very low.

Climatic Tables

The following tables contain climatic data for those stations in the Canadian Arctic that were in operation during the full decade 1951-60. They consist primarily of monthly temperature, precipitation and wind data.* Statistics are not included for DEW Line observing sites since they have only a short period of record within the 1951-60 decade. For the same reason, short-period climatic data obtained by recent research expeditions to the Barnes Ice-Cap on Baffin Island, Lake Hazen and the Gilman Glacier on Ellesmere Island, Devon Island, Axel Heiberg Island, Meighen Island and Ward Hunt Island are not listed.

Air Temperature

All temperatures are given in degrees Fahrenheit. To obtain representative and comparable observations, all stations are equipped with standard louvered shelters in which self-registering mercury maximum and spirit minimum thermometers are housed. The mean air temperature data have been derived mainly from records for the decade 1951-60. The "highest recorded" and "lowest recorded" temperatures refer to the absolute extremes for the entire period of observation at each station.

Precipitation

Rainfall and precipitation averages are given in hundredths of inches; mean snowfall amounts are listed in tenths of inches; precipitation is the sum of rainfall plus the water equivalent (one tenth) of the snowfall.

Wind

Wind data have been obtained from anemometers with continuously recording anemographs. The most prevalent directions and average wind speeds have been derived from the hourly wind data.

Heating Factor (Degree-Days)

Below 65°F—one degree-day results for each degree that the mean daily temperature is below the base of 65°F.

References and Source Material

The Meteorological Branch of the Department of Transport, Toronto, prepares and issues the regular series of current climatic data publications listed below. Also listed are publications containing detailed information on regional climates of Northern Canada.

Regular publications of the Meteorological Branch: *Canadian Weather Review* (monthly); *Arctic Summary* (semi-annual); *Monthly Record of Meteorological Observations in Canada.*

Boughner, C. C. and Thomas, M. K. *The Climate of Canada.* Canada Year Book 1959 and 1960. Ottawa, Queen's Printer, 1960. 74 p.

Kendrew, W. G. and Currie, B. W. *The Climate of Central Canada.* Ottawa, Queen's Printer, 1955. 194 p.

Kendrew, W. G. and Kerr, D. *The Climate of British Columbia and the Yukon Territory.* Ottawa, Queen's Printer, 1955. 222 p.

Rae, R. W. *Climate of the Canadian Arctic Archipelago.* Toronto, Canada Department of Transport, Meteorological Branch, 1951. 90 p.

Thomas, M. K. *Climatological Atlas of Canada.* National Research Council, Division of Building Research, and Canada Department of Transport, Meteorological Branch. Ottawa, 1953. 253 p.

* In a reprint of this article, available from the Meteorological Branch, Department of Transport, 315 Bloor St. West, Toronto 5, Ont., additional data are given in the climatic tables, including mean monthly maximum and minimum temperatures, percentage frequency of days with minimum temperatures at or below −10°F to −50°F, cloud amounts, etc.