

television receivers manufactured in Canada or imported into Canada on or after Apr. 1, 1966 (amended to Apr. 1, 1972 on July 26, 1967). Certain low-powered radio transmitting and receiving equipment, such as garage door controls, may be exempted from licensing under Section 5 of the Radio Act. When a particular model has been exempted, it may be operated without the radio station licence.

Meteorological Communications.—Weather stations operated by the Meteorological Branch of the federal Department of Transport throughout Canada are linked coast-to-coast by means of teletype and, in the remote northern areas, by radio or radioteletype. The land-line teletype circuits are leased from commercial companies and the radio circuits are operated chiefly by the Telecommunications and Electronics Branch of the Department of Transport.

Weather stations on the teletype network transmit their reports directly; other stations report via commercial telegraph or radio facilities to the nearest station on the teletype line for subsequent transmission on the meteorological circuit. The reports are collected on a regional basis and then relayed to other parts of the country as required. There are two coast-to-coast teletype systems transmitting weather information, with main relay points at Vancouver, Edmonton, Winnipeg, Toronto, Montreal, Halifax, Gander and Goose Bay. These centres handle the distribution of weather information within Canada, including the Arctic, and also effect international exchange with the United States and Europe and, through them, with many other countries. Altogether, the Meteorological Branch uses 59,100 miles of teletype circuits, connecting 390 teletype offices.

In addition, a facsimile network connects weather offices and includes radio facsimile transmission to Arctic stations and ships at sea. Weather charts originating at the Central Analysis Office and the High Level Forecast Office in Montreal receive national distribution over the network. Charts prepared at the various Weather Central Offices across Canada are transmitted regionally. Altogether, the Meteorological Branch utilizes 15,900 miles of facsimile circuits, serving 95 offices.

Radio Aids to Marine and Aeronautical Navigation.—Services of the Telecommunications and Electronics Branch of the Department of Transport in aid of marine and aeronautical navigation are outlined in the following paragraphs; details may be obtained on request from the Department of Transport, Ottawa.

Marine Navigation.—Radio aids to marine navigation are provided for radio-equipped Canadian vessels and foreign ships using Canadian waters. This safety and communications service for shipping covers the East and West Coasts, the Great Lakes, the St. Lawrence River and Gulf, Hudson Bay and Hudson Strait and includes regularly broadcast weather reports, storm warnings and notices of dangers to navigation. Ships at sea may obtain medical advice from any coast station. The stations carry out communications by radiotelegraph and/or radiotelephone and most of them provide connections to land telephone lines. Halifax (VCS) and Vancouver (VAI) stations provide a long-range radiotelephone service to ships. Halifax (VCS) and Vancouver (CKN) have radiotelegraph facilities for world-wide communications and participate in the Commonwealth long-range ship communications scheme. Coast stations on Hudson Bay and Hudson Strait, in addition to their regular services, provide commercial communications for posts of the Hudson's Bay Company and various prospecting and development organizations, make weather observations, handle administrative traffic and assist aircraft with information, landing conditions, etc.

Automatic radiobeacon stations are maintained on the East and West Coasts, the St. Lawrence River and Gulf, the Great Lakes and Hudson Bay and Strait, giving navigational aid to mariners by transmitting signals on which bearings may be taken. These stations are arranged, where possible, in groups up to a maximum of six stations transmitting in sequence on a common frequency, the sequence being repeated continually regardless of weather conditions.