

Section 2.—Total Radio Stations and Radio Services

The total number of radio stations in operation in Canada and on ships and aircraft registered therein are shown by classes in Table 3. Of these stations, 642 were operated by the Department of Transport. The Department of National Defence, in addition to stations established for military purposes, operated 11 permanent stations and two summer stations, situated along the Mackenzie River and in Yukon Territory, on behalf of the Department of Northern Affairs and National Resources. The Department operated 113 stations to provide communication and time-signal service for survey parties and for the protection and administration of National Parks. The Department of Public Works operated six stations, the Department of Agriculture five stations, the Department of National Health and Welfare 12 stations, the Department of National Revenue two stations, the Department of Citizenship and Immigration four stations, the Department of Fisheries nine stations, the Department of Mines and Technical Surveys 61 stations, the Royal Canadian Mounted Police 902 stations, and the National Research Council 17 stations, 16 of which were experimental.

Stations operated by the Canadian Broadcasting Corporation numbered 140 and those by private owners, 187.

3.—Radio Stations in Operation, by Class, as at Mar. 31, 1954

Class	No.	Class	No.
Department of Transport Stations—		Other Stations—	
Coast stations.....	51	Ship stations (class A).....	3,768
Radio-beacon stations.....	73	Ship stations (class B—receiving only)...	19
Radio links.....	8	Limited coast stations.....	18
Radiotelephone stations.....	2	Aircraft stations.....	1,415
Lighthouse radiotelephone stations.....	170	Public commercial stations.....	193
Canal radiotelephone stations.....	5	Private commercial stations.....	10,721
Loran stations.....	6	Municipal services stations.....	304
Ionosphere stations.....	9	Private commercial broadcasting stations (sound)—	
H. F. direction finding stations.....	1	Operated by the Canadian Broadcasting Corporation.....	106 ³
Monitoring stations.....	6	Operated by private owners.....	183
Land stations.....	1	Private commercial broadcasting stations (television)—	
Ship stations (class A).....	40	Operated by the Canadian Broadcasting Corporation.....	5
Aircraft stations.....	27	Operated by private owners.....	4
Radio range stations.....	94 ¹	Technical or training schools.....	9
Combined radio range, and aeronautical communications stations.....	55	Experimental stations.....	210
Combined aeronautical radiobeacon and communications stations.....	3	Commercial receiving stations.....	362
Instrument landing installations.....	25	Commercial receiving stations (special).....	11
Aeronautical radiobeacons.....	19	Amateur experimental stations.....	6,968
Aeronautical communications stations.....	32		
Fan marker stations.....	11		
Weather reporting stations.....	4 ²		
		Total, All Stations.....	24,938

¹ Station location (Z) markers are installed at 93 radio range stations. ² The station at Port Harrison, Que., also performs restricted coast station service during the season of navigation, but as it is primarily a weather-reporting station it is shown under this heading only. ³ Includes 51 repeater stations.

The foregoing classes are numerous and complicated by the fact that many of them perform closely related functions. Descriptions of the services provided by different types of government-operated stations are given in the 1951 Year Book, pp. 804-808.