

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 4. Of these stations, 519 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 Resources and Development. The Department of Resources and Development operated 102 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 three 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 five stations, the Department of Mines and Technical Surveys 55 stations, the Royal Canadian Mounted Police 812 stations, and the National Research Council 19 stations, 16 of which were experimental.

Stations operated by the Canadian Broadcasting Corporation numbered 80 and those by private owners, 178.

4.—Radio Stations in Operation, by Class, as at Mar. 31, 1953

Class	No.	Class	No.
Department of Transport Stations		Department of Transport Stations —concluded	
Coast stations.....	8	Fan marker stations.....	13
Combined coast, and radiotelephone stations.....	25	Weather reporting stations.....	5 ²
Combined coast, radiotelephone and M.F. direction finding stations.....	10	Other Stations	
Combined coast, radiotelephone, M.F. direction finding and radar stations.....	1	Ship stations (Class A).....	3,582
Combined coast, radiotelephone, and frequency modulated radio relay stations.....	1	Ship stations (Class B—Receiving only).....	21
Combined coast, radiotelephone and radiobeacon stations.....	2	Limited coast stations.....	17
Radiobeacon stations.....	32	Aircraft stations.....	1,314
Combined radiobeacon and radiotelephone stations.....	19	Public commercial stations.....	332
Combined radiobeacon and M.F. direction finding stations.....	2	Private commercial stations.....	9,252
Radiotelephone stations.....	18	Municipal services stations.....	252
Lighthouse radiotelephone stations.....	153	Private commercial broadcasting stations—	
Loran stations.....	3	Operated by the Canadian Broadcasting Corporation.....	80 ³
Frequency modulated radio relay stations.....	7	Operated by private owners.....	178
Ionosphere stations.....	10	Technical or training schools.....	13
H. F. direction finding stations.....	2	Experimental stations.....	226
Monitoring stations.....	6	Commercial receiving stations.....	377
Land stations.....	1	Commercial receiving stations (special).....	174
Ship stations (Class A).....	40	Amateur experimental stations.....	7,060
Aircraft stations.....	24	Private Radio Receiving Stations	
Radio range stations.....	39 ¹	Fee paid.....	2,240,843
Combined radio range, radiotelegraph and radiotelephone stations.....	53 ¹	Free to the blind.....	10,684
Combined homing, radiotelephone and radiotelegraph stations.....	3	Free to hospitals and charitable institutions.....	102
Field intensity stations.....	4	Free to schools.....	12,031
Instrument landing installations.....	23	Free to crystal receivers.....	3
Homing beacons.....	13	Free to Federal Government.....	153
Combined aeronautical radiotelephone and radiotelegraph stations.....	2		2,263,816
		Total, All Stations.....	2,287,213

¹ Station location ("Z") markers are installed at 91 radio range stations. ² Two stations at Port Harrison, Que., and Coppermine, N.W.T., also perform restricted coast station service during the season of navigation, but since they are primarily weather-reporting stations they are shown under this heading only.

³ Includes 27 repeater stations and two television stations.