

Section 2.—Radiotelephony.

Transatlantic Radiotelephone Service.—A radiotelephone service between Canada and Great Britain was first made available to the Canadian public, through the medium of the Bell Telephone Co. *via* the transatlantic radio circuit operated by the American Telegraph and Telephone Co. from New York, in March, 1928. In 1932 a direct circuit with Great Britain was opened through the medium of the beam station of the Canadian Marconi Company at Drummondville, P.Q.

Radio Broadcasting.—Broadcasting of the human voice by radio first commenced in Canada with test programs carried out by the Canadian Marconi Company in Montreal during the winter evenings of 1919. Regular organized programs were commenced in December, 1920, by the same company, on a wavelength of 1,200 metres.

In April, 1922, the establishment of broadcasting stations on a general scale commenced, 52 private, commercial and amateur broadcasting licences being granted during the fiscal year 1922-23. During the fiscal year 1933-34, 74 broadcasting stations were in operation in the Dominion, and the number of licensed receiving sets was 707,625. The licence fee for a broadcasting station is \$25 for a period of 6 months, and for a receiving set \$2 per annum.

Approximately \$250,000 is expended annually by the Radio Branch of the Department of Marine for the suppression of inductive interference in the interests of broadcast listeners. This service is entirely free. Upwards of 100 men and 24 fully equipped cars are engaged in this work.

The extent to which private receiving sets are used for the reception of Public Broadcasting is indicated by the number of private receiving licences issued in the various provinces of the Dominion during the fiscal year 1933-34 as follows:— Alberta, 40,455; British Columbia, 55,978; Manitoba, 44,420; New Brunswick, 17,206; Nova Scotia, 25,039; Ontario, 288,357; Prince Edward Island, 1,758; Quebec, 201,154; Saskatchewan, 32,951; Yukon and Northwest Territories, 307.

78.—Wireless and Radio Stations in Operation in Canada, Mar. 31, 1934-34.

Class of Station.	1930.	1931.	1932.	1933.	1934.
Coast stations (Government-owned).....	28	29	29	31	30
Direction-finding stations (Government-owned)....	12	12	12	12	13
Ship stations (Government-owned)	44	47	50	49	53
Radio beacon stations (Government-owned).....	15	19	20	20	20
Radiophone stations (Government-owned).....	4	4	5	5	5
Land stations.....	1	1	1	1	1
Ship stations (commercial).....	275	272	241	224	215
Limited coast stations.....	4	4	4	3	4
Public commercial stations.....	47	50	32	30	22
Private commercial stations.....	138	131	112	122	162
Private commercial broadcasting stations.....	81	80	77	70	68
Experimental stations.....	71	91	107	110	92
Amateur experimental stations.....	610	728	898	1,229	1,606
Amateur broadcasting stations.....	10	8	7	7	6
Private receiving stations ¹	424,146	523,100	598,358	761,288	707,625
Radio training schools.....	6	6	5	4	4
Licensed aircraft.....	3	-	1	2	2
Totals.....	425,495	524,582	599,959	763,207	709,928

¹ Includes licences issued free to the blind, numbering 1,517 in 1934.