

Section 1.—Administration

Subsection 1.—Technical Control and Licensing

All radio stations within the Dominion of Canada are required to be licensed, whether used for transmission or reception, or both. The issuance of all classes of licences, the assignment of call signs and frequencies, and the inspection and monitoring of radio stations in Canada is carried out by the personnel of the Radio Division. There were 86,961 radio stations of all classes inspected by departmental radio inspectors during 1945-46. Examinations for certificates of proficiency in radio are conducted by the inspection staff of the Radio Division. Certificates of all classes to the number of 13,553 were issued up to Mar. 31, 1946.

The Radio Regulations for Ship Stations issued under the Canada Shipping Act, 1934, lay down the specifications of radio equipment to be carried on certain classes of vessels, and also designate the qualifications of the operators required.

To ensure safety of life at sea, certain passenger steamers and cargo vessels, by international regulation, must carry radio equipment manned by competent operators holding certificates of proficiency in radio. The Department maintains a complete radio inspection service to enforce this regulation. Inspectors, located at major ports throughout the Dominion, are responsible for checking the efficiency of the radio equipment on ships calling at Canadian ports, regardless of their nationality, and for seeing that only competent operators are carried. Under the Canada Shipping Act, 1934, ships of foreign and Canadian registry, while in Canadian ports, are surveyed with a view to the issuance of safety certificates.

1.—Radio Stations in Operation, by Class, as at Mar. 31, 1942-46

Class of Station	1942	1943	1944	1945	1946
	No.	No.	No.	No.	No.
Aeronautical direction-finding (Government).....	2	2	1	1	Nil
Aeronautical ground to air.....	2	2			
Aeronautical radio range (Government).....	54	55	66	80	88
Aircraft.....	138	143	150	161	211
Amateur experimental ¹	Nil	Nil	Nil	Nil	4,048
Coast (Government).....	29	29	29	29	28
Commercial receiving.....	120	125	121	129	91
Commercial receiving (special).....	92	96	95	99	100
Direction finding, short-wave (Government).....	Nil	Nil	3	3	3
Experimental ¹	52	52	54	59	90
Fan marker (Government).....	2	3	5	9	10
Ionosphere.....	Nil	Nil	Nil	Nil	2
Land.....	1	1	1	1	1
Limited coast.....	6	6	6	6	6
Marine direction-finding (Government).....	13	13	13	13	13
Monitoring ((Government).....	Nil	Nil	5	5	5
Municipal police private commercial.....	55	64	66	73	86
Private commercial.....	1,184	1,292	1,346	1,420	1,673
Private commercial broadcasting.....	102	102	115	139	142
Operated by CBC.....	18	15	28	41	41
Operated by private owners.....	84	87	87	98	101
Private receiving ²	1,623,489	1,728,880	1,770,900	1,759,100	1,754,351
Public commercial.....	85	85	52	53	58
Radio beacon (Government).....	26	28	32	37	37
Radiophone (Government).....	12	12	12	15	16
Radio training school.....	9	10	12	11	13
Ship (commercial).....	489	512	628	800	943
Ship (commercial receiving only).....	85	64	46	23	38
Ship (Government).....	65	64	69	69	69
Weather-reporting (Government).....	1	1	5	6	5
Totals.....	1,626,113	1,731,641	1,773,832	1,762,341	1,762,127

¹ All licences for privately owned experimental stations and for all amateur experimental stations were suspended at the outbreak of war in September, 1939. ² Includes licences issued free, numbering 8,435 in 1946, 8,375 in 1945, 7,896 in 1944, 7,465 in 1943, and 6,998 in 1942.