

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 90,896 radio stations of all classes inspected by departmental radio inspectors during 1940. 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 9,656 were issued up to Mar. 31, 1940.

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 be carried thereon.

To ensure the 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 Safety of Life at Sea and Load Line Conventions Act, 1931, 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 in Canada, by Class, as at Mar. 31, 1936-40

| Class of Station | 1936 | 1937 | 1938 | 1939 | 1940 |
|---|----------------|------------------|------------------|------------------|------------------|
| | No. | No. | No. | No. | No. |
| Coast (Government) ¹ | 31 | 31 | 31 | 31 | 28 |
| Marine direction-finding (Government) ¹ .. | 13 | 13 | 13 | 13 | 13 |
| Aeronautical direction-finding (Government)..... | Nil | Nil | 2 | 2 | 2 |
| Ship (Government)..... | 56 | 58 | 59 | 61 | 64 |
| Ship (commercial)..... | 212 | 261 | 313 | 340 | 356 |
| Ship (commercial receiving only)..... | Nil | Nil | Nil | Nil | 71 |
| Radio beacon (Government) ¹ | 24 | 26 | 26 | 26 | 26 |
| Radiophone (Government)..... | 9 | 10 | 10 | 10 | 17 |
| Weather-reporting (Government)..... | Nil | Nil | 1 | 1 | 1 |
| Land..... | 1 | 1 | 1 | 1 | 1 |
| Limited coast..... | 5 | 5 | 7 | 10 | 10 |
| Public commercial..... | 36 | 41 | 58 | 81 | 78 |
| Private commercial..... | 275 | 315 | 399 | 489 | 863 |
| Private commercial broadcasting..... | 78 | 80 | 88 | 94 | 96 |
| Experimental ² | 82 | 126 | 147 | 182 | 78 |
| Amateur experimental ² | 2,380 | 2,821 | 3,222 | 3,678 | 3,776 |
| Experimental short-wave broadcasting.. | 10 | 8 | 8 | Nil ³ | Nil |
| Private receiving ⁴ | 862,109 | 1,038,500 | 1,104,207 | 1,223,502 | 1,345,157 |
| Radio training school..... | 6 | 5 | 6 | 7 | 9 |
| Licensed aircraft..... | 4 | 7 | 91 | 129 | 156 |
| Aeronautical radio range (Government). | Nil | Nil | 13 | 31 | 34 |
| Commercial receiving..... | " | " | 5 | 64 | 86 |
| Fan marker (Government)..... | " | " | Nil | 1 | 1 |
| Totals..... | 865,331 | 1,042,308 | 1,108,707 | 1,223,753 | 1,350,922 |

¹ One combined direction-finding and radio beacon station included in total of direction-finding stations, and one combined coast and radio beacon station shown in total of coast stations. ² All licences for privately owned experimental stations and for all amateur experimental stations were suspended at the outbreak of war in September, 1939. ³ This class of station was discontinued Apr. 1, 1938. ⁴ Includes licences issued free, numbering 5,862 in 1940, 4,557 in 1939, 3,155 in 1938, 2,758 in 1937 and 2,314 in 1936.