

INVESTIGATIONS OF INDUCTIVE INTERFERENCE, FISCAL YEARS 1935-39.

Item.	1935.	1936.	1937.	1938.	1939.
	No.	No.	No.	No.	No.
INVESTIGATED.					
Electrical distribution systems and power lines.....	8,050	9,278	8,979	8,259	6,939
Domestic and commercial electrical appliances.....	3,278	3,803	4,718	5,743	5,374
Defective receivers and radio apparatus.....	1,541	1,832	1,845	2,026	1,952
TOTALS.....	12,869	14,913	15,542	16,628	14,265
ACTION TAKEN.					
Sources definitely reported cured.....	11,039	12,908	12,989	13,764	12,197
Sources not yet reported cured.....	1,674	1,839	2,378	2,047	1,847
Sources at present incurable.....	156	166	175	217	221

Section 2.—Operation of Radio Communications.**Subsection 1.—Dominion Government Radio Stations.**

Radio communication facilities of several different types are essential for the safe and accurate navigation of ships and aircraft, and, in order to meet the requirements of Canadian as well as foreign ships plying Canadian waters and aircraft flying over Canadian territory, the Department of Transport has established networks of direction-finding, marine radio beacon, aviation radio range, radiotelegraph, and radiotelephone stations.

Department of Transport, Marine Service.—Four distinct networks of stations provide a complete radio aids-to-navigation service for ships. These networks serve the following areas: Great Lakes; Gulf of St. Lawrence and Atlantic Coast; Hudson Bay, Strait, and sub-Arctic; and Pacific Coast. The first three networks are interlocking. There is, however, no direct radio connection between the Pacific Coast network and the networks in Eastern Canada and the sub-Arctic, although contact is maintained between a short-wave station operated by the Department of Transport at Ottawa and the Pacific Coast and Hudson Bay and Strait systems.

During the fiscal year 1938-39, Government radiotelegraph stations on the East Coast, West Coast, the Great Lakes, and Hudson Bay and Strait handled 419,912 messages or 8,643,173 words, compared with 393,911 messages or 8,101,848 words handled during 1937-38. For 1938-39 the cost of maintenance was \$530,017 compared with \$503,025 in the previous year.

4.—Type of Service Performed and Areas Served By Marine Radio Stations of the Department of Transport, as at Mar. 31, 1939.

Service Performed.	Areas Served.				No. of Stations.
	Great Lakes.	Gulf of St. Lawrence and East Coast.	Hudson Bay, Strait, and Sub-Arctic.	Pacific Coast.	
Radiotelegraph.	Tobermory, Ont.	Clarke City, Que. Ellis Bay, Anticosti. Fame Point, Que. ¹ Father Point, Que. ¹ Halifax, N.S. Montreal, Que. ¹ North Sydney, N.S. ¹ Point Amour, Nfld. ¹ Quebec, Que. ¹ Shediac, N.B.	Coppermine, N.W.T.	Bull Harbour, B.C. Estevan, B.C. Vancouver, B.C. (VAB). Victoria, B.C.	16

¹ Operated by the Canadian Marconi Company under contract.