

5.—Investigations of Inductive Interference, Years Ended Mar. 31, 1942-46

Item	1942	1943	1944	1945	1946
	No.	No.	No.	No.	No.
<b>Investigations</b>					
Electrical distribution systems and power lines.....	2,022	1,067	1,275	1,217	1,645
Domestic and commercial electrical appliances.....	2,447	1,549	1,472	1,808	2,859
Defective receivers and radio apparatus.....	839	501	518	507	647
<b>Totals.....</b>	<b>5,308</b>	<b>3,117</b>	<b>3,265</b>	<b>3,532</b>	<b>5,151</b>
<b>Action Taken</b>					
Sources definitely reported cured.....	4,497	2,803	2,956	3,092	4,107
Sources not yet reported cured.....	698	245	241	379	960
Sources at present incurable.....	113	69	68	61	84

Section 2.—Operation of Radio-Communications

Subsection 1.—Federal Government Radio 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. The Department of Transport maintains communication between Ottawa and the east and west coasts, and Hudson Bay and Strait by means of high-frequency stations.

During the fiscal year 1945-46, Government radiotelegraph stations on the east coast, west coast, the Great Lakes, and Hudson Bay and Strait handled 789,139 messages or 19,749,036 words, compared with 515,708 messages or 17,724,696 words handled during 1944-45.

6.—Type of Service Performed and Areas Served by Marine Radio Stations, as at Mar. 31, 1946

Service Performed	Area Served				No. of Stations
	Great Lakes	Gulf of St. Lawrence and East Coast	Hudson Bay, Strait, and Sub-Arctic	Pacific Coast	
Coast Stations		Clarke City, Que. Ellis Bay, Anticosti		Vancouver, B.C.	3
Combined Coast and Direction-Finding Stations		Camperdown, N.S.	Cape Hopes Advance, Que. Resolution Island, N.W.T.		3
Combined Coast, Direction-Finding and Radio-telephone Stations		Belle Isle, Nfld. Canso, N.S. Saint John, N.B. Yarmouth, N.S.	Chesterfield, N.W.T. Churchill, Man. Nottingham Island, N.W.T.	Pachena, B.C.	8
Combined Coast, and Radiobeacon Stations		Lurcher Lightship Point Amour, Nfld. Sambro Lightship			3