

season, exceeding 23,000,000 tons through the St. Lawrence Canals and 30,000,000 tons on the Welland Section. Seasonal figures for both the St. Lawrence and Welland Canals reflected substantial increases in downbound traffic, partly offset by decreases in upbound cargoes.

On the Montreal-Lake Ontario Section, 2,416,100 tons of downbound cargo during November 1961 represented a 42.2 per cent increase over the 1,699,300 tons recorded for the same month a year earlier. During the April to November 1961 season, a 31.5 per cent increase in downbound traffic over the corresponding 1960 period was estimated, 15,132,500 tons compared to 11,511,400 tons in 1960. The November 1961 upbound traffic of 753,200 tons was a 39.6 per cent increase over 539,400 tons for November 1960, although the 8,223,300 tons reported for the month of April through November was 6.3 per cent less than the upbound cargoes for 1960.

The same pattern is shown in the Welland Canal traffic statistics. For the month of November, downbound shipments increased by 42.4 per cent to 3,246,900 tons in 1961 compared with 2,279,400 tons in 1960. Upbound, the increase was 40.5 per cent from 484,200 tons to 680,500 tons. In comparing the April through November periods, downbound traffic through the Welland increased by 12.6 per cent from 20,531,300 tons to 23,121,000 tons, while upbound cargoes decreased by 9.1 per cent from 8,310,200 tons in 1960 to 7,554,200 tons in 1961.

The whole decrease in westbound shipping is attributable partly to a slight decline in the movement of iron ore, while eastbound traffic was influenced by heavy shipments of grain during October and November.

ELECTRICITY EXPORT LICENSED

Mr. George Hees, Minister of Trade and Commerce, has announced the approval of 16 licences to export surplus electricity, issued by the National Energy Board to eight Canadian companies and utilities. The companies are: The New Brunswick Electric Power Commission; Maine and New Brunswick Electrical Power Company Limited; Southern Canada Power Company, Limited; Cedar Rapids Transmission Company, Limited; Canadian Niagara Power Company Limited; Hydro-Electric Power Commission of Ontario; The Ontario-Minnesota Pulp and Paper Company Limited; British Columbia Electric Company Limited.

The licensees have all previously held export licences, some having exported electricity since 1907, when licensing was first introduced.

The greater proportion of the exports will consist of electricity, which can be cut off at the discretion of the Canadian exporting companies. Under the licences, some 8052 million kilowatt hours of interruptible energy may be exported. About one-third of such interruptible energy to be exported consists of electricity, which is transmitted through United States territory and is returned to Canada for ultimate consumption.

The maximum quantity of firm energy which may be exported annually under these licences is 997

million kilowatt hours, a figure which may be compared with 1485 million kilowatt hours which the licensees could export under previous licences. The licences cover periods ranging from one to a maximum of five years.

INDUSTRIAL RESEARCH COMMITTEE

An industrial advisory committee composed of representatives of top management in Canada has been appointed by the National Research Council. Its objectives are to bring management into closer contact with the work of the NRC; to keep NRC informed of the problems of industry; and to consider ways of encouraging research in industry. Emphasis will be given to the part NRC may take in furthering these aims.

Industrial representatives on the committee are: J.A. Cogan, Vice-President and Director, Imperial Oil Limited, Toronto; W.N. Hall, President, Dominion Tar and Chemical Co. Ltd., Montreal; E.H. Higgins, Vice-President (Engineering), Canadair Ltd., Montreal; D.N. Kendall, Vice-President, Hunting Associates Ltd., Toronto; W.F. McLean, President, Canada Packers Ltd., Toronto; W.A. Montgomery, Vice-President, John Inglis Co. Ltd., Toronto; Peter Munk, President, Clairtone Sound Corporation Ltd., Weston; Dr. Hugh S. Sutherland, President, Shawinigan Chemicals Ltd., Montreal; Dr. J.H. Shipley, Vice-President Canadian Industries Ltd., Montreal.

Dr. A.D. Misener, Director of the Ontario Research Foundation, Toronto, is also a member. NRC representatives are: Dr. E.W.R. Steacie, President (chairman); Dr. B.C. Ballard, Vice President (scientific); Dr. C.J. Mackenzie; and Mr. R.E. McBurney (secretary), head of NRC's technical information service.

ARCTIC HERRING

Herring were encountered last summer in the Western Arctic off the coast of the Yukon and Mackenzie Territories. These were no transients, but local herring living and spawning there, according to the investigators on the fisheries research vessel "Salvelinus", which found them. The fish were not sufficiently concentrated to provide good trawling or seining, but a type of weir fishing is considered possible and will be attempted next season.

This discovery is of considerable interest to the Federal Government, which is trying to organize small-scale commercial fishing in the Arctic for export in order to improve the flow of money into the far north and boost the local economy. Experimental fishing in 1960 by "Salvelinus" with gill-nets and a small otter trawl had revealed no commercially usable stocks off the Yukon coast or the Mackenzie delta, although enough capelin were taken by beach seine at Herschel between mid-July and mid-August to supply the local station of the Royal Canadian Mounted Police with dog-

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