

Scientific Research.—Stations under the direction of the Biological Board of Canada for the conduct of biological research into the numerous complex problems furnished by the fisheries are established at St. Andrews, N.B., and Nanaimo, B.C.; Toronto, McGill, Queen's, Manitoba, British Columbia and the chief Maritime Province universities send workers to both stations, chiefly professors and trained specialists. The life-histories of edible fishes, the bacteriology of fresh and cured fish, improved methods of handling and preparing fish and numerous other practical problems have been taken up and scientific memoirs and reports issued.

Direct Assistance.—For the rest, the action of the Government has been in the way of rendering direct assistance in specific cases of difficulty. Experimental reduction plants were operated for some years to encourage the capture of dog-fish. For some time also an expert was engaged to conduct a series of demonstrations of the Scottish method of curing herring, with a view to improving the Canadian cured product. Under authority of the Fish Inspection Act, systems of instruction in improved methods of fish-curing and barrel-making and inspection of the cured product have been conducted by specially appointed officials for some years. Fish canneries, again, are inspected under the authority of the Meat and Canned Foods Act. A quarterly bulletin on the sea fisheries is issued for the benefit of the trade. Finally, a fleet of armed cruisers patrols the coastal and inland waters for the prevention of poaching and the enforcement of regulations.

During the war it became desirable to increase as far as possible the consumption of fish, reserving the less perishable animal foods for export to our allies. The Government, therefore, undertook to provide for the rapid transit of sea fish on its railway lines to the markets of the inland provinces, and by a publicity campaign to stimulate the consumption of fish. Much was accomplished in this direction, and the present annual per capita consumption of fish in Canada is estimated at upwards of 22 pounds.

International Problems.—The chief international fisheries problem is the question of the rights of the United States, whose fishermen were granted, by the Treaty of Versailles, certain privileges in the Canadian inshore fisheries. Losing these by the war of 1812, the United States, after 1818, surrendered all but their liberty to call at Canadian ports for shelter, wood, water, or to make repairs, and to fish around the Magdalen islands and on the north shore of the gulf of St. Lawrence from Point Joli eastward, and to dry and cure their fish in any of the unsettled bays on this portion of the North Shore.

Questions of interpretations to be placed on certain parts of the Treaty of 1818 were set at rest in the years 1854-1866, by the Reciprocity Treaty. This treaty provided for the free admission into either country of the fish products of the other, and the fishermen of each country were allowed to fish in Atlantic territorial waters of the other, with the exception of specified rivers and other grounds.

In 1871, the Treaty of Washington revived the fishery provisions of the Reciprocity Treaty of 1854, and provided for a commission to determine the compensation to be paid by the United States to Great Britain as the difference in the value of the concessions mutually granted. This commission sat at Halifax in 1877, handing down the "Halifax Award", the amount of which was \$5,500,000. In 1885, however, the United States terminated the fisheries articles of this treaty, and a period of disagreement followed. A settlement was negotiated in 1888, when the plenipotentiaries of the two nations agreed to the "Unratified Treaty of 1888", under which United States fishing vessels were granted, without fee, annual licenses