



Recent publications of interest to the commercial fishing industry are listed below.

FISH AND WILDLIFE SERVICE PUBLICATIONS

THESE PUBLICATIONS ARE AVAILABLE FREE FROM THE DIVISION OF INFORMATION, FISH AND WILDLIFE SERVICE, DEPARTMENT OF THE INTERIOR, WASHINGTON 25, D. C. TYPES OF PUBLICATIONS ARE DESIGNATED AS FOLLOWS:

- CFS - CURRENT FISHERY STATISTICS OF THE UNITED STATES AND ALASKA.
- FL - FISHERY LEAFLETS.
- MDL - MARKET DEVELOPMENT SECTION LISTS OF DEALERS, LOCKER PLANTS, ASSOCIATIONS, ETC.
- SEP - SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.

<u>Number</u>	<u>Title</u>
CFS-499	- Frozen Fish Report, October 1949, 10 p.
CFS-500	- Massachusetts Landings, July 1949, 14 p.
CFS-501	- Maine Landings, August 1949, 4 p.
CFS-502	- Fish Meal and Oil, September 1949, 2 p.
CFS-503	- Texas Landings, September 1949, 4 p.
CFS-504	- Manufactured Fishery Products, 1946, Annual Summary, 7 p.
CFS-507	- Frozen Fish Report, November 1949, 10 p.
CFS-508	- Maine Landings, September 1949, 4 p.
CFS-509	- Texas Landings, October 1949, 4 p.
FL-265 (Revised)	- Bibliography of the Preservation of Fishery Products by Freezing, 87 p.
MDL-1 (Revised)	- Producers of Packaged Fish, 9 p.
Sep. 239	- The Mussel Resources of the North Atlantic Region-- Part I - The Survey to Discover the Locations and Areas of the North Atlantic Mussel-Producing Beds Part II- Observations on the Biology and the Methods of Collecting and Processing the Mussel Part III-Development of the Fishery and the Possible Need for Conservation Measures
Sep. 240	- pH Data on Pacific Oysters
Sep. 241	- Fisheries Technological Research Program 1949-50

MISCELLANEOUS PUBLICATIONS

THE FOLLOWING PUBLICATIONS MAY BE OBTAINED, IN MOST INSTANCES, FROM THE AGENCIES ISSUING THEM.

Canadian Fishery Markets (Review and Outlook), Market Bulletin No. 3, September 1949, 32 p., processed, Department of Fisheries, Ottawa, Canada. A review of the production and marketing of Canadian fishery products and the outlook for the marketing of the 1949 production is

contained in this publication. In addition, it analyzes the effects of the changes in the marketing situation in respect to Canadian fishery products because of the devaluation of the English pound and the subsequent devaluation of the Canadian dollar. It includes discussions of the domestic market, the U. S. market, and other foreign markets by types of fishery products (fresh and frozen, canned, cured, all forms of shellfish, and fish meal and oils).

Current Tables Atlantic Coast North America, 1950, Serial No. 724, 174 p., with diagrams, printed, 25 cents. Coast and Geodetic Survey, U. S. Department of Commerce, Washington 25, D.C., or its agencies. Detailed data are contained in this publication on daily ocean current predictions, current differences and constants, velocity of current at any time, duration of slack, rotary tidal currents, wind-driven currents, the Gulf Stream, and current diagrams.

Draft Budget for 1950 (5th Session FAO Conference, November 21, 1949), C49/4, 43 p., processed. Food and Agriculture Organization, Washington, D. C., August 1949. Budget estimates for FAO'S Fifth Financial Year, 1950, are contained in this publication. Includes budget estimates for the Fisheries Division.

Draft Program of Work for 1950 (5th Session, FAO Conference, November 21, 1949), C49/3, 43 p., processed. Food and Agriculture Organization, Washington, D. C., August 1949. Presents the technical program for the various divisions of FAO: fisheries; agriculture; distribution; economics, marketing, and statistics; forestry and forest products; information; nutrition; and rural welfare.

Fats and Oils, Commodity Series, Bulletin No. 13, August 1949, 93 p., processed, 50 cents. Food and Agriculture Organization, Washington, D. C. This bulletin deals with the "fixed" fatty oils or products made from them, including whale and fish oils, but excludes sperm whale oil, fish liver oils, and industrial (brown or white) cod oil. The supply and distribution situation for fats and oils is reviewed and all "visible" fats and oils are covered. The major portion of the report consists of tables which give the indigenous production, international trade, consumption and utilization, and market prices in the United States. Based on statistics and other information available up to May 20, 1949.

Fifth Report to Congress of the Economic Cooperation Administration (For the Period April 3-June 30, 1949), 141 p., printed. Economic Cooperation Administration, Washington, D. C., November 1949. Covers activities under the Economic Cooperation Act of 1948 as well as the programs of economic aid to China and to the Republic of Korea. Included in the appendix is a summary of the status of the United States Foreign Relief Program and the United States Foreign Aid Program. Although edible fishery products are specifically listed as a group in only one table, since in most cases they are included under the broader category of "meats and fish," the report will be of value to members of the fishing industry interested in the progress of the ECA program.

Foredrag ved Sildoljeindustriens Kursus i Bergen, 22-27 November 1948 (Lectures at the Herring Oil Industry's Course in Bergen, November 22-27, 1948), 299 p., in Norwegian, printed, illus., 14 Norwegian kroner (approx. \$2.00) plus postage. Norwegian Herring Oil and Meal Industry Research Institute (Sildoljeog Sildemelindustriens Forskningsinstitutt), Bergen, Norway, 1949. (For sale by A. S. J. W. Eides Boktrykkeri, Bergen, Norway.) The Norwegian Herring Oil and Meal Industry Research Institute of Bergen late in 1948 arranged a course of lectures for the Norwegian herring reduction industry in order to make generally available as much of the experience that has been gained in utilizing modern

practices in the herring reduction industry and to establish an intimate relationship between those working in the industry and the Institute. These lectures have been incorporated in this book. The 26 chapters cover the following subjects regarding the herring oil and meal industry: research and control; establishment of operating control; raw material and product control; the weighing of herring meal; design and arrangement of herring oil factories; the storage of herring and the newer preserving methods; cooking and pressing processes; cooker construction; one- and two-screw presses; separation problems; DeLaval separator in the herring oil industry; Escher Wyss three-phase centrifuge; the drying process; drying methods and dryer installations; examination of meal prepared by different drying methods; notes on practical firing; stickwater's chemical nature and food value; new production methods and systems; storage of meal and oil; herring meal's food value and practical use; Animal Food Act's regulations regarding herring meal; phospholipides; the Icelandic herring oil industry; herring tagging; reasons and remedies for decreased work efficiency; consultant activities.

"The Fisheries of Germany," article, Trade News, September 1949, vol. 2, no. 3, pp. 19-22, processed. Director of Information, Department of Fisheries, Ottawa, Canada. A review of Germany's fisheries for 1948 with comparisons for prewar years. Includes data on Western Germany, prewar data on Eastern Germany, and a discussion of the equipment used.

Fishery Products At Annecy, Tariff Bulletin No. 3, October 1949, 12 p., processed, distribution limited. Department of Fisheries, Ottawa, Canada. A review of the 1949 tariff negotiations at Annecy, France, in relation to the Canadian fishing industry. Contains a detailed listing of the tariff concessions on fishery products granted by acceding countries, by present contracting parties, and by Canada. It also lists the modifications in preferential margins.

Japanese Antarctic Whaling Expedition, 1948-49 (Statistical Summary), by William M. Terry, Preliminary Study No. 34, 38 p., processed. Natural Resources Section, Supreme Commander for the Allied Powers, Tokyo, Japan, October 1949. (Reports may be purchased only in photostat or microfilm from the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.) A statistical summary of the operations of the two Japanese whaling fleets in Antarctic waters during the 1948-49 season is contained in this preliminary report. Included are data on production statistics (catch, processing, production), biological composition of the catch, special biological observations and numerous figures and tables.

Light List Intracoastal Waterway of the United States, 1949, (Hampton Roads to the Rio Grande including inside waters), CG-135, 251 p., printed. United States Coast Guard, Treasury Department, Washington, D. C., 1949. (For sale by the Superintendent of Documents, Washington, D. C., 75 cents.) This list, published annually, describes all aids to navigation maintained by or under authority of the U. S. Coast Guard on the Intracoastal Waterway and inside waters on the Atlantic and Gulf coasts of the United States, from Norfolk, Va., to the Rio Grande.

Maine Sea and Shore Fisheries Laws and Regulations (Revised to September 1, 1949), 176 p., printed, free. Maine Department of Sea and Shore Fisheries, Augusta, Maine. This handbook contains the second biennial revision of the sea and shore fisheries laws. Included are all statute laws, rules and regulations, private and special laws, and related statutes pertaining to sea and shore fisheries; regulations covering the building of weirs; information on clam flats closed because of pollution; and a list of licenses and fees.

Malayan Fisheries (A Handbook Prepared for the Inaugural Meeting of the Indo-Pacific Council, Singapore, March 1949), edited by G. L. Kesteven, 96 p., 16 plates. Malaya Publishing House, Ltd., Singapore, British Malaya, 1949. Prepared especially for the inaugural meeting of the Indo-Pacific Fisheries Council, this book is divided into three parts. Part 1 gives background material leading up to the inaugural meeting of the Council--discusses the Singapore meeting in January 1947, the Baguio meeting in February 1948, and the Buitenzorg meeting in October 1948. Part 2 reports on the fisheries of the Malayan Peninsula and the islands of Singapore and Penang--includes information on the geographic setting of the Malayan fisheries, fauna and flora, the fishing people and their villages, methods of fishing, organization and economics of the industry, and marketing and distribution of the fish and fish products. Part 3 is an appendix containing notes on the fisheries of North Borneo and Sarawak, a glossary of Malayan fish names and fishing terms, and a bibliography of these fisheries.

Menhaden Facts and Fallacies (A Report by Dr. James Nelson Gowanlock to the Mississippi Seafood Commission), 25 p., illus., printed. Mississippi Seafood Commission, Biloxi, Miss., 1949. A report which discusses the known effects of menhaden fishing operations on other fisheries interests, including game fish and commercial fisheries (shrimp, oyster and crab). Contains also a bibliography giving a few of the references covering the subject of menhaden fishing.

"1948 Food Consumption Surveys," Family Food Consumption for Three Seasons in Minneapolis-St. Paul, Minnesota, 1 Week - Winter, Spring and Fall 1948, Preliminary Report No. 9, FE 791, 23 p., processed, 9/30/49. Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, U. S. Department of Agriculture, Washington 25, D. C. This report, showing a 3-season comparison of food consumption by families of selected size and composition in Minneapolis-St. Paul, is the second in a series of four, and includes fishery products. Gives the average quantity and expense for purchased foods used at home per household per week, as well as the percentage of households using the various foods by annual income class. Includes data on fresh and frozen fish and canned salmon.

Notes on the Vitamin A Content of the Liver Oil of the Vaalhaai or Soupfin Shark (GALEORHINUS ZYOPTERUS), Investigational Report No. 10, by J. A. M. Archer, 6 p., printed. Fisheries and Marine Biological Survey Division, Department of Commerce and Industries, Pretoria, South Africa, 1949. Reprint from Commerce & Industry, December 1948. Report discusses the vitamin A content of the liver oil of the vaalhaai or soupfin shark (*Galeorhinus zyopterus*). The data on which the report is based were collected from January 1944 through June 1947.

O Mar De Angola (Angola's Sea), by Carlos Carneiro, 245 p., printed, in Portuguese. Empresa Grafica de Angola, Luanda, Angola, 1949. Discusses the Angolan fisheries resources. It contains descriptions of the local fisheries and offers comparisons with fishing methods and yields in the world's principal producing areas.

A Preliminary Report on the Vitamin A Content of the Liver Oil of the Stockfish (MERLUCCIOUS CAPENSIS) and the Cape Spiny Dogfish (SQUALUS ACUTIPINNIS) from the West Coast (Approximately between Latitudes 33°S. and 29°S.), Investigational Report No. 9, by J. A. M. Archer, 6 p., printed. Fisheries and Marine Biological Survey Division, Department of Commerce and Industries, Pretoria, South Africa, 1949. Reprint from Commerce & Industry, December 1948.

Proceedings of the Gulf and Caribbean Fisheries Institute (Inaugural Session, Miami Beach, August 1948), 71 p., processed. Marine Laboratory, University of Miami, Coral Gables, Florida, July 1949. Lists the cooperating

and participating organizations, the 1948 Program, and gives the papers presented at the Institute. Included among the papers are the following: "The Fisheries of British Guiana," "Some Problems of the Shrimp Industry," "Florida Crawfish Research," "Economics of Production in Puerto Rico," "The Sponge Industry from an Economic Point of View," "Biological Aspects of a Potential Sardine Industry in the Caribbean Area, with a Key to the Species," "The Fisheries of Barbados and Some of Their Problems," and "The Commercial Seaweed Industry."

Proceedings of the Inter-American Conference on Conservation of Renewable Natural Resources, Denver, Colorado, September 7-20, 1948, Publication 3382, International Organization and Conference Series II, American Republics 4, 793 p., printed, \$2.25. Office of Public Affairs, Department of State (For sale by Superintendent of Documents, Washington, D. C.), 1949. Contains a complete account of the Conference, including copies of all the speeches and papers given, and provides the most comprehensive body of material available on conservation in the Western Hemisphere. There is only one paper on fisheries, "Initial Steps in the Conservation of Fresh-Water Fisheries in Tropical South America, With Remarks on Fishery Resources in General," by George S. Myers. In addition, fisheries are referred to in only three other papers.

Proposed General Fisheries Council for the Mediterranean (5th Session FAO Conference, November 21, 1949), C49/14, 5 p., processed. Food and Agriculture Organization, Washington, D. C., October 1949. Contains the Draft Agreement of the General Fisheries Council for the Mediterranean and a short summary of its background.

Provisional Agenda for the Fifth Session of the Conference, C49/1, 4 p., processed. Food and Agriculture Organization, Washington, D. C., September 1949. This is the provisional agenda as proposed by the Council of FAO.

A Report to the 31st Legislature of the State of Washington on Food Fisheries of Washington (Submitted by the House and Senate Interim Committee on Fisheries 1947-1948, appointed under the Authority of House Concurrent Resolution No. 11), 59 p., illus., printed. Legislature of the State of Washington, 1949. A survey and report by the Committee on the production and protection of food fish in all waters within and surrounding the State of Washington. Includes the Resolution, survey of southwest Washington and Lower Columbia River area, survey of northern Puget Sound area, survey of eastern Washington and Idaho, recommendations of the Committee, proposed Indian program, Simpson Hatchery Appropriation, and a discussion of the revised code. It also contains a revised fisheries code "for the preservation, protection, perpetuation and management of food fish and shellfish; providing for and creating a Department of Fisheries;....."



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BIBLIOGRAPHY OF THE PRESERVATION OF FISHERY PRODUCTS BY FREEZING

Fishery Leaflet 265, Bibliography of the Preservation of Fishery Products By Freezing, has recently been reissued.

This 87-page bibliography contains references on the freezing of fishery products as far back as 1898 and covers the subject quite thoroughly from about 1920 to December 1947, inclusive. Articles from many journals and books are included. In the majority of cases, the original article was procured. To make the bibliography more valuable, a brief summary of each article is included.



Divided into two parts, Part I covers the period to January 1945 and is a reissue; and Part II covers the period of January 1945 to December 1947, inclusive, and has been issued as a supplement. Those who already have Part I, can obtain only Part II to complete the Leaflet, while others can obtain both parts.

This is the final issue of this bibliography. More recent literature in the field of frozen fishery products is covered in the Service's publication, Commercial Fisheries Abstracts.

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