



# RECENT FISHERY PUBLICATIONS

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

## FISH AND WILDLIFE SERVICE PUBLICATIONS

THESE PROCESSED 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.
- SEP.- SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.
- SL - STATISTICAL SECTION LISTS OF DEALERS IN AND PRODUCERS OF FISHERY PRODUCTS AND BYPRODUCTS.
- WL - WILDLIFE LEAFLETS.

SSR-FISH. - SPECIAL SCIENTIFIC REPORTS--FISHERIES (LIMITED DISTRIBUTION).

Number	Title
CFS-546	- Frozen Fish Report, Final, May 1950, 10 p.
CFS-548	- Maine Landings, by Counties, 1949 Annual Summary, 11 p.
CFS-549	- Fish Meal and Oil, April 1950, 2 p.
CFS-550	- Texas Landings, April 1950, 4 p.
CFS-552	- Frozen Fish Report, Final, June 1950, 10 p.
FL -254 (Revised)	- List of Fishery Associations in the United States and Alaska, 9 p.
FL -293 (Revised)	- List of Fishermen's and Fish Shore Workers' Unions in the U. S., Alaska, and Hawaii, 9 p.
FL -365	- Sales Patterns for Fresh and Frozen fish and Shellfish, 1936 and 1946, 102 p.
FL -372	- Report on the Fisheries Industry in the Republic of Korea, 37 p.
FL -374	- Freezing and Canning King Crab, 9 p.
FL -375	- A Survey of the Commercial Fishery Possibilities of Seward Peninsula Area, Kotzebue Sound, and Certain Inland Rivers and Lakes in Alaska, 24 p.
FL -376	- Albacore Tuna Exploration in Alaskan and Adjacent Waters--1949, 34 p.
SL -28 (Revised)	- Wholesale Dealers in Fishery Products, Michigan, 1950, 2 p.
Sep.-253	- "John N. Cobb" Uses New Rig for Slow-Speed Trolling.
Sep.-254	- Studies on Methods of Extracting Vitamin A and Oil from Fishery Products--Part III - Experiments on the Extraction of Low-Oil-Content Livers with Petroleum Ether by the Shaking Method.

WL-330--Organizations and Officials Concerned with Wildlife Protection: 1950, 35 p. Lists the names and addresses of officials and organizations concerned with the protection or management of fish and wildlife. It includes U. S.

Federal and state government agencies, Canadian Dominion and provincial government bodies, Latin American government organizations, and various private groups.

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SSR-Fish. No. 20--The Gonads of Skipjack from Palao Waters, by Kizo Matsui, 5p., illus., processed, April 1950. Limited distribution. A translation from Japanese. While the author was engaged in a study of the brain of the skipjack tuna at the Palau Tropical Biological Station from September 1941 to January 1942, he was able also to make some observations of the gonads of some of these

fish. This paper reports on these observations. The opinion which the author has reached from the results reported in this paper is that if the annual changes in the degree of ripeness of the gonads could be ascertained in every area where skipjack are taken, some clarification of the problems of the location of spawning grounds and the migrations of the species could be attained.

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THE FOLLOWING SERVICE PUBLICATION IS AVAILABLE ONLY FROM THE SPECIFIC OFFICE MENTIONED IN THE REVIEW.

Production of Fishery Products in Virginia, Maryland and North Carolina (As reported to Hampton Fishery Market News Office), 28 p., processed, May 1950. (Available free from the Market News Service, U. S. Fish and Wildlife Service, P. O. Box 447, Hampton, Va.) In addition to a review of the trends in the production of fishery products in certain areas of Virginia, Maryland, and North Carolina, this publication contains sta-

tistical data by months and species on the landings of fishery products in the areas of Morehead City, North Carolina; Hampton Roads, York River, Lower Northern Neck, Eastern Shore, Virginia; and Ocean City, Cambridge, and Crisfield, Maryland. Comparative data for 1946 by areas and species are also given as well as a table showing the shrimp landings in certain North Carolina localities by areas and months.

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### MISCELLANEOUS PUBLICATIONS

THESE PUBLICATIONS ARE NOT AVAILABLE FROM THE FISH AND WILDLIFE SERVICE, BUT USUALLY MAY BE OBTAINED FROM THE AGENCIES ISSUING THEM.

"Age and Length Composition of the Sardine Catch off the Pacific Coast of the United States and Canada in 1949-50," by Frances E. Felin, Anita E. Daugherty, and Leo Pinkas, article, California Fish and Game, July 1950, vol. 36, no. 3, pp. 241-9, illus., printed. Division of Fish and Game, California Department of Natural Resources, San Francisco, Calif. This is a fourth report on age and length composition of the catch of sardine (Sardinops caerulea) off the Pacific Coast of the United States and Canada and covers the 1949-50 season.

Annual Report 1949 (International Pacific Salmon Fisheries Commission), 34 p., printed, illus. International Pacific Salmon Fisheries Commission, New Westminster, B. C., Canada, 1949. A report of the Commission's regulation of the sockeye salmon fisheries within the waters outlined by the Convention between Canada and the United States for the protection, preservation, and extension of the sockeye salmon fisheries in the Fraser River system. Reports on the meetings of the Commission, the 1949 regulations, the United States fishery, the Canadian fishery, fishing intensity, the Indian catch, escapement, the 1950 cycle, rehabilitation of barren areas, and discusses general biological investigations.

Bulletin III (International Pacific Salmon Fisheries Commission), 129 p., printed, illus. 1--A Biological Study of the Effectiveness of the Hell's Gate Fishways, by G. B. Talbot pp. 1-80; 2--Variations in Flow Patterns at Hell's Gate and Their Relationships to the Migration of Sockeye Salmon, by

R. I. Jackson pp. 81-129. International Pacific Salmon Fisheries Commission, New Westminster, B. C., Canada, 1950. Fishways at Hell's Gate were completed by the spring of 1946 for the purpose of remedying the recurring mortality in order to restore the Fraser River sockeye run. The first of the reports in this publication is an analysis of the Hell's Gate tagging work carried out by the Commission between 1943 and 1947. This analysis was undertaken to determine the effectiveness of the new fishways in eliminating the periodic block to the passage of adult sockeye. In addition, information was desired as to the success of passage by sockeye at extreme high and low water levels which had not occurred during the Commission's investigations in previous years. The second report in this bulletin presents an analysis of the physical data obtained at Hell's Gate by the Engineering staff of the Commission. Engineering studies designed to determine the causes of the obstruction were begun at Hell's Gate shortly after evidence of the obstruction was obtained. The successful cooperation between the biological and engineering staffs of the Commission in solving problems relating to both branches of science has resulted in the alleviation of the Hell's Gate obstruction through installation of a new type of fishway designed by Commission engineers. The Commission reports that the Hell's Gate fishways are operating successfully, and that the obstruction at Hell's gate has been eliminated.

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(California) Statistical Report of Fresh and Canned Fishery Products (Year 1949, including Sardine Season 1949-1950 and Recapitulation of the Case Pack of Tuna, Bonito and Yellowtail, 1918-1949), Circular No. 24, 27 p. of tables, printed. Bureau of Marine Fisheries, California Division of Fish and Game, San Francisco, Calif., 1950. The tables in this publication show the California landings of all fish and shellfish by species and by main fishing areas, including the amount of pilchards and tunalanded. Included are the shipments into California during the year; the production of canned, cured, and manufactured fishery products (including meal and oil); production of liver oil; and a list of canning and sardine reduction plants operating in 1949.

Contribucion al Estudio de los Escombridos de la Costa Vasca (Atun, Bonitos y Melva)--Contribution to the Study of the Scombroid Fish of the Basque Coast (Bluefin Tuna, Skipjack, and Frigate Mackerel)--by Jose Maria Navaz, Publicaciones Numero VIII, 21 p., illus., printed. Sociedad de Oceanografia de Guipuzcoa, San Sebastian, Spain, 1950. Contains observations on the tuna catch and fishing methods for the Spanish port of San Sebastian on the Bay of Biscay. Includes biometric data on 100 Bluefin tuna, 50 albacore tuna, 32 skipjack tuna, and 2 frigate mackerel.

Customs Information for Exporters to the United States, 93 p., printed, 25 cents. Bureau of Customs, Treasury Department, Washington, D.C., 1950. (For sale by Superintendent of Documents, Washington 25, D. C.) This booklet is for the information and assistance of those who plan to export to the United States and for importers in the United States. The procedures and requirements for exporting to the United States are outlined in this publication. Such subjects are covered as clearance of goods through Customs, packing of goods, conversion of currency, invoices for Customs purposes, temporary free importation under bond, foreign trade zones, import quotas, etc. A list of Customs Collection Districts, Headquarters Ports, and Ports of Entry is included.

Doing Business with Austria, 4 p., processed, free. Business Information Service, Office of International Trade, Department of Commerce, Washington, D. C. Issued as an aid to business men interested in exploring the possibilities of expanding or initiating trade with Austria. Discusses Austrian foreign trade procedures and possibilities; exchange controls and capital movements; travel to Austria; Austrian fairs; and exchange rates. Also gives a list of sources for information and assistance.

Doing Business with Germany, (Revision of April 1950), 7 p., processed, free. Office of International Trade, Department of Commerce, Washington, D. C. This report covers the western and the Soviet zones of Germany and the western and Soviet sectors of Berlin. Discusses in general terms the German export and import procedures and regulations; other

types of business transactions; pricing and exchange rates; samples; German representation of U. S. firms and U. S. Representation of German firms; special contract provisions; business visits to Germany and visits of German businessmen to the U. S.; and foreign exchange control and movements.

The Effect of Fishing on Stocks of Halibut in the Pacific, by William Francis Thompson, 60 p., printed, illus. University of Washington Press, Seattle, Wash., 1950. An analysis of the halibut fishery in the Pacific from 1925 up to 1945. Contains statistics of the fishery showing the reciprocal relationship between amount of gear and the catch per set and the changes in accumulated stock. It discusses the concept of a limited normal yield, and the theory of the accumulated stock as a resilient buffer mechanism and its modification of the limit to the normal yield. In addition, it presents statistics of the Western and Southern Areas and changes in the yield in each; evaluates the term "Catch per Set of Gear" and its related terms; and considers the biological significance of limited productivity of accumulated stocks and of the resilience of the species as related to the history of the virgin and fished stocks of halibut.

Fishery Resources of the U.S.S.R.--Significance in the Soviet Economy, by Eugenie Boutanovsky, International Reference Service, vol. VII, no. 22, May 1950, 15 p., processed, 10 cents. Office of International Trade, U. S. Department of Commerce, Washington, D. C. (For sale by the Superintendent of Documents, Washington 25, D. C., or Department of Commerce Field Offices). This is a summary of available data on the Russian fisheries. Most of the statistics on production are for 1933 and 1934. A discussion of the various fisheries is presented by areas or basins, together with a short summary of the current five-year plan, fish processing, fishery byproducts, shipbuilding, fishing nets, shipping containers, refrigeration, and foreign trade.

"The 'Gloucester' Dragger Fleet," article, Trade News, May 1950, vol. 2, no. 11, pp. 10-2, illus., processed. Department of Fisheries, Ottawa, Canada. During the past few years, a new offshore fishery has been developed on the Canadian Atlantic Coast. Operating from Gloucester County in New Brunswick, particularly from the Caraquet region and Shippigan Island, a fleet of new small draggers has been exploiting the fertile grounds of the Gulf of St. Lawrence. This is a report on this fleet and an analysis of the operations of this fleet. Included is a comparison of fresh-fishing operations from April 1947 to March 1949 by Canadian east coast offshore craft, including "Gloucester" draggers, Atlantic draggers, and schooners, and all other Canadian offshore craft.

An International Index of Films on the Conservation and Utilization of Resources (Prepared for the United Nations Scientific Conference on the Con-

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ervation and Utilization of Resources, August-September 1949, under direction of the United Nations Film Board), 175 p., illus., processed. United Nations, Lake Success, N. Y., 1950. This is a catalog of films in the resource fields available to persons and agencies throughout the world, and includes a listing of films on fisheries.

Miscellaneous Fish and Wildlife Bills (Hearings before the Subcommittee on the Fisheries and Wildlife Conservation of the Committee on Merchant Marine and Fisheries, House of Representatives, Eighty-First Congress, Second Session, on H. R. 230, to promote effectual utilization of the fishery resources of the United States; H. R. 2648, to establish the "Fish and Wildlife Advisory Board;" H. R. 6533, to provide that the United States aid States in fish restoration and management projects; H. RR. 6973, to authorize a continuing study of the croaker and other fish in Chesapeake Bay and tributaries; H. R. 7209, to authorize a continuing study of white shad, herring, and other fish in the Albemarle and Pamlico Sounds and tributaries; H. R. 7887 to grant approval of Congress to an amendment to the Atlantic States Marine Fisheries Compact, and repealing the limitation on the life of such compact; and other bills), 144 p., printed. Available only from the House Committee on Merchant Marine and Fisheries until exhausted. Contains statements, information, and reports on these bills presented at the hearings held February 14, March 16, April 25-26, and May 11, 1950.

Nova Scotia Fisheries Yearbook 1948-1949, 92, p., illus., processed. Fisheries Division, Nova Scotia Department of Trade and Industry, Halifax, Nova Scotia, Canada, 1950. Contains data on production of fishery products, including landed values, by county and by species and months (for 1948). For each county, the following statistics (mostly for 1946) are given: number of vessels by size and type of fishery; number of fishermen by type of vessel and fishery; number and type of nets and gear; fishing bounties paid; employment in processing establishments; fishermen's loans; a list of fish plants and canneries (1948); and a list of fisheries inspectors.

"The Pismo Clam," by John E. Fitch, article, California Fish and Game, July 1950. vol. 36, no. 3, pp. 285-312, illus., printed. Division of Fish and Game, California Department of Natural Resources, San Francisco, Calif. A popular account of what is known about the pismo clam (*Tivela stultorum* Mawe). Some of the information contained in this article has been published previously while much of it is presented for the first time. Discusses fishing methods, preparation, management, anatomy, feeding habits, growth, reproduction, and mortality.

Proceedings of the Gulf and Caribbean Fisheries Institute, Second Annual Session, Miami Beach, November 1949, 132 p., printed, \$2.00. The Gulf and Caribbean Fisheries Institute, The Marine Laboratory, University of Miami, Coral Gables, Florida, March 1950. Contains all of

the papers presented at the second annual session of the Institute. Papers were presented on the oyster fisheries, Caribbean fisheries, Gulf fisheries, and fisheries economics. A summary of the proceedings, the 1947 population of the territories in the Gulf and Caribbean area, and a list of cooperating and participating organizations are also included.

Proceedings of the United Nations Scientific Conference on the Conservation and Utilization of Resources (17 August--6 September 1949, Lake Success, New York), Volume 1, Plenary Meetings, 431 p., in English and French, printed, illus. United Nations, Lake Success, New York, tentative price \$4.50. This is the first volume of the Proceedings of the United Nations Scientific Conference on the Conservation and Utilization of Resources, which brought together over 700 scientists from 50 countries to consider more than 500 scientific papers. This volume contains background and objectives of the Conference; preparatory work; officers, contributors, participants and secretariat; and detailed proceedings of the plenary meetings. The entire series will consist of eight volumes. Volume VII will be on wildlife and fish resources (275 pages, approximately \$3.00) and will contain all the papers presented on fisheries. Volume VIII is an index to the series (100 pages, approximately \$1.50). These last two volumes have not been issued as yet.

United States Participation in the United Nations, Department of State Publication, International Conference and Organization Series III, 48, 254 p., printed, 50 cents. Department of State, Washington, D. C., May 1950. (For sale by the Superintendent of Documents, Washington 25, D. C.). Report by the President to the Congress for the year 1949 on the activities of the United Nations and the participation of the United States therein. Among the many phases covered by this report are technical aid and fishery production, fishery statistics, international trade and tariffs, devaluation, the International Commodity Clearing House, and the Food and Agriculture Organization.

"Wages and Working Conditions in the Edible Animal Products Industry, October 1948," article, The Labour Gazette, November 1949, vol. XLIX, no. 11, pp. 1445-61, printed, 10 cents per issue. Canadian Department of Labour, Ottawa, Canada. Prepared from data obtained in the general annual survey of wage rates and hours of labor for 1948 made by the Canadian Department of Labor, this article deals with three branches of the industry, (1) Dairy products, (2) meat products, and (3) fish canning and packing. The latter section deals with collective agreements, wage rates on the West Coast, standard weekly hours of work, overtime rates of pay, vacations with pay, statutory holidays, and sick leave with pay. In analyzing this industry, which consists mainly of salmon canning on the Canadian west coast and canning or packing a variety of fish on the East Coast, returns from 31 establishments (2,200 workers) in the Maritime Provinces and 52 establishments (3,400 workers) in British Columbia were used.