

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, U. S. FISH AND WILDLIFE SERVICE, 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.
 SL - STATISTICAL SECTION LISTS OF DEALERS IN AND PRODUCERS OF FISHERY PRODUCTS AND BYPRODUCTS.
 SEP.- SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.
 SSR.-FISH. - SPECIAL SCIENTIFIC REPORTS--FISHERIES (LIMITED DISTRIBUTION).

Number	Title
CFS-580	- Pacific Coast Fisheries, 1948 Annual Summary, 8 p.
CFS-581	- Frozen Fish Report, October 1950, 10 p.
CFS-584	- Fish Meal and Oil, September 1950, 2 p.
CFS-586	- Middle Atlantic Fisheries, 1948 Annual Summary, 6 p.
CFS-587	- Alabama Landings, September 1950, 4 p.
FL-232 (Revised)	- Fishery Technology Abstract Card System, 20 p.
FL-385	- The Exploratory Fishing Vessel <u>John N. Cobb</u> , 11 p.

Firms Canning:

SL-106 (Revised)	- Shad or Shad Roe, 1949, 1 p.
SL-107 (Revised)	- Fish and Shellfish Specialities, 1949, 3 p.
SL-108 (Revised)	- Salmon Eggs for Bait, 1949, 1 p.
SL-110 (Revised)	- Oysters, 1949, 2 p.
SL-119 (Revised)	- Squid, 1949, 1 p.

Firms Manufacturing:

SL-153 (Revised)	- Fish Glue and Isinglass, 1949, 1 p.
SL-156 (Revised)	- Pearl Essence, 1949, 1 p.

Refrigerated Locker Plants:

MDL-6 (Revised)	- Kentucky, 4 p.
MDL-14 (Revised)	- California, 13 p.
MDL-22 (Revised)	- Massachusetts, 2 p.
MDL-27 (Revised)	- Louisiana, 2 p.
MDL-33 (Revised)	- Arizona, 2 p.

Number	Title
<u>Refrigerated Locker Plants (Cont.):</u>	
MDL-40 (Revised)	- Idaho, 5 p.
MDL-41 (Revised)	- Maine, 1 p.
MDL-42 (Revised)	- Maryland, 2 p.
MDL-48 (Revised)	- Alabama, 3 p.
MDL-52 (Revised)	- State School Lunch Supervisors, 4 p.
Sep. 260	- Japanese Skipjack (<u>Katsuwonus pelamis</u>) Fishing Methods.
SSR-Fish. No. 29	- <u>Injured and Dead Fish in the Vicinity of Bonneville Dam</u> , by Harry A. Hanson, Paul D. Zimmer, and Ivan J. Donaldson, 41 p., illus., June 1950.
SSR-Fish. No. 36	- <u>Survey of the Columbia River and its Tributaries--Part III</u> , by Zell E. Parkhurst, Floyd G. Bryant, and Reed S. Nielson, 103 p., illus., September 1950.
SSR-Fish. No. 37	- <u>Survey of the Columbia River and its Tributaries--Part IV</u> , by Floyd G. Bryant and Zell E. Parkhurst, 108 p., illus., September 1950.
SSR-Fish. No. 38	- <u>Survey of the Columbia River and its Tributaries--Part V</u> , by Reed S. Nielson, 41 p., August 1950.
SSR-Fish. No. 39	- <u>Survey of the Columbia River and its Tributaries--Part VI</u> , by Zell E. Parkhurst, 58 p., illus., October 1950.
SSR-Fish. No. 41	- <u>Oxygen Block in the Main-Stem Willamette River</u> , by Frederic F. Fish and Richard A. Wagner, 19 p., September 1950.

THE FOLLOWING PROCESSED PUBLICATIONS ARE AVAILABLE FREE UPON REQUEST FROM THE BRANCH OF COMMERCIAL FISHERIES, U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C. THESE ARE PRELIMINARY REPORTS GIVING INFORMATION ON CURRENT AND POTENTIAL MARKETS FOR UNITED STATES FISHERY PRODUCTS IN SOUTH AMERICA. THIS SURVEY, CONDUCTED IN JUNE THIS YEAR, WAS CARRIED OUT JOINTLY BY THE U. S. FISH AND WILDLIFE SERVICE AND THE U. S. DEPARTMENT OF AGRICULTURE'S OFFICE OF FOREIGN AGRICULTURAL RELATIONS. THE LATTER AGENCY ISSUED THESE PRELIMINARY REPORTS FOR EACH COUNTRY COVERED BY THE SURVEY IN ITS SERIES "FOREIGN MARKET NOTES--FISH AND FISH PRODUCTS."

Reports on the Market Situation in:

Argentina, FFP-1-50, 2 p., June 21, 1950.
Netherlands West Indies, FFP-2-50, 2 p.,
 June 28, 1950.
Uruguay, FFP-3-50, 4 p., June 29, 1950.
Paraguay, FFP-4-50, 2 p., July 31, 1950.

Brazil, FFP-5-50, 5 p., July 31, 1950.
Venezuela, FFP-7-50, 3 p., August 16, 1950.
Chile, FFP-8-50, 11 p., August 31, 1950.
Peru, FFP-9-50, 4 p., September 5, 1950.
Surinam, FFP-10-50, 3 p., September 5, 1950.
Ecuador, FFP-11-50, 13 p., November 1950.

THE FOLLOWING SERVICE PUBLICATIONS ARE FOR SALE AND ARE AVAILABLE ONLY FROM THE SUPERINTENDENT OF DOCUMENTS, WASHINGTON 25, D. C.

Biometric Comparison Between Yellowfin Tunas (NEOTHUNNUS) of Angola and of the Pacific Coast of Central America, by Milner B. Schaefer and Lionel A. Walford, Fishery Bulletin 56 (From Fishery Bulletin of the Fish and Wildlife Service, Volume 51), pp. 425-43, illus., printed, 15 cents, 1950. In this report, measurements of various characters on 60 specimens of Neothunnus from Angola are compared with similar data for Neothunnus from the Pacific Coast of Central America, employing linear regressions or transformations which yield linear regressions of the several measurements against total length. Covariance analysis of the data shows marked differences between the two areas in relative growth rates of certain fins and body dimensions. There seem also to be differences in average number of finlets and in the position of the longest dorsal finlet, according to the authors. Pending further taxonomic studies, the Angola fish is identified as Neothunnus albacora

(Lowe) and the Pacific fish as N. macropterus (Temminck and Schlegel).

Guide to the Classification of Fishing Gear in the Philippines, by Agustin F. Umali, Research Report 17, 165 p., illus., printed, 40 cents, 1950. The author points out that one of the serious handicaps in the administration and management of the fisheries of the Philippines has been the lack of standardized nomenclature for fishing gear. This publication attempts to solve the problem. It is divided into five parts: the first presents a basic classification of fishing gear; the second is a key by means of which fishing gear can be identified and new terms for fishing gear can be properly classified; the third defines and illustrates various types of fishing gear; the fourth is a tabular classification of local Filipino dialect names; and the fifth is a glossary, including definitions of more than a thousand terms.

MISCELLANEOUS PUBLICATIONS

THESE PUBLICATIONS ARE NOT AVAILABLE FROM THE FISH AND WILDLIFE SERVICE, BUT USUALLY MAY BE OBTAINED FROM THE AGENCIES ISSUING THEM. CORRESPONDENCE REGARDING PUBLICATIONS THAT FOLLOW SHOULD BE ADDRESSED TO THE RESPECTIVE AGENCIES OR PUBLISHERS MENTIONED. DATA ON PRICES, IF READILY AVAILABLE, ARE SHOWN.

Canned Foods in Human Nutrition, E. J. Cameron and J. Russell Esty, Editors, 264 p., illus., printed. National Canners Association, Washington, D. C., 1950. This bulletin provides a convenient and authoritative reference source on the nutritive values of commercially canned foods (including fishery products), their proper handling and preparation for use by the ultimate consumer, and their practical applications in meeting the optimum requirements of human nutrition. The three main sections of the bulletin deal with the modern concepts of nutrition, nutritive values of canned foods, and storage and utilization of canned foods. The appendix contains extensive tables on the nutritive value of canned foods. References are given for each chapter including a selected bibliography of 146 research papers and 32 compilations and reviews on the nutritive value of canned foods.

Field Book of Seashore Life, by Roy Waldo Miner, 888 p., illus., indexed, printed. G. P. Putnam's Sons, New York, N. Y., 1950. A compact manual of the more common invertebrate animals inhabiting the shallow oceanic waters of the Atlantic coast of North America from Labrador to the Cape Hatteras region of North Carolina. It is intended first of all for the layman who has become interested in the invertebrate sea animals; second, for the student whose attention is more seriously drawn to the life of the seas; and third, for the research worker as a handy reference book. Starts off with the simplest of animals; lists sponges; then on through crustaceans, snails, bivalves, octopuses, squid, sea stars, sea urchins, sea cucumbers; and ends with the protochordates.

Guide and Directory for Trading with Germany, 55 p., printed. Economic Cooperation Administration, Special

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

Mission to Germany, Frankfurt, Germany, June 1950 (Distributed by Office of Small Business, Economic Cooperation Administration, Washington 25, D. C.) This guide is intended to assist American business firms who wish to trade or expand their present trading relations with Western Germany. It contains a summary of economic information regarding Western Germany, together with data concerning German trade practices and regulations, particularly those relating to the import of goods from the United States financed with ECA funds. At the end of the manual are appendices showing names and addresses of agencies in Western Germany concerned with foreign trade and tables of principal German exports and imports (including fishery products).

Guide and Directory on Doing Business with Belgium and Luxembourg and the Belgian Congo, 131 p., with maps, printed. ECA Special Mission to Belgium-Luxembourg, 1950. (Available from the Office of Information, Economic Cooperation Administration, Washington, D. C.) This manual is intended as a current guide for the American businessman who wants to trade with Belgium, Luxembourg, and the Belgian Congo. Belgium and Luxembourg are united in an economic union (sometimes called "Belgolux"), and they constitute a single trading and financial area, and many Belgian importers also import for the Congo. These countries have been importing canned fishery products and fish oil from the United States. The manual points out that it is comparatively easy to trade with these areas since almost all trade is conducted by private business with a minimum of Governmental restrictions. It contains information on trading with Belgium and Luxembourg; on the nature of Belgolux imports from the United States; on import licenses and ECA financing procedure; and also summaries of general economic information about Belgium, Luxembourg, and the Belgian Congo. Annexed is a directory of Belgolux and Congo firms which are actual or potential importers from the United States.

Japanese Antarctic Whaling Expedition, 1949-50 (Statistical Summary), by William M. Terry, and Lt. Comdr. Francois Bourgois, Preliminary Study No. 41, 50 p., processed. Natural Resources Section, Supreme Commander for the Allied Powers, Tokyo, Japan, October 1950. (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 summarization of statistical and other data concerning Japanese whaling operations in Antarctic waters during the 1949-50 season is contained in this report. Included are data on production (catch, processing, products produced), biological composition of the catch, special biological observations, and numerous figures and tables.

"Netting Bait and Cannery Fish with the Aid of Lights," by Parke H. Young, article, California Fish and Game, October 1950, vol. 36, no. 4, pp. 380-1, printed. Division of Fish and Game, State Fisheries Laboratory, Terminal Island Station, San Pedro, Calif. This article describes the netting of bait and cannery fish with the aid of lights by the Los Angeles-harbor fishing vessels.

"Newfoundland, Labrador Fisheries Surveyed," article, Trade News, September 1950, vol. 3, no. 3, pp. 5-6, illus., processed. Department of Fisheries, Ottawa, Canada. This is a report of a survey of the fisheries of northeast Newfoundland and a section of the Labrador

coast carried out this summer by the Canadian Department of Fisheries. It describes the working conditions of the fishermen and the types of fisheries.

Fisherman's Knots and Nets, by Raoul Graumont and Elmer Wenstrom, 203 p., 218 p., printed, \$3.00. Cornell Maritime Press, New York, 1948. This book should prove helpful to commercial and sport fishermen. The well-illustrated knots and splices give an over-all summary of the many possibilities available in securing hooks, lines, buoys, harpoons, and traps. The portion of the book devoted to traps and to seines is an introduction to the various designs which may be applied to certain fishing conditions. The net-making and net-repairing section points out the basic details involved in the process of making and repairing nets. In general, this book covers ample material in tying knots and making up splices which is of help to all who are interested in various fields of fishing, whether it be commercial or sport fishing. Yachtsmen and professional seamen will also find many items which will assist them in their fields. Commercial fishermen and fishing gear supply firms will find it to their advantage to cover the section on the preservation and care of nets. By following the procedures mentioned on the care of nets, a much longer fishing life can be obtained from this type of gear. This book is a good compilation of information from private and government agencies on knots, splices, traps, seines and care of nets as used in certain fisheries. As a handbook, it would be of help to sport fishermen, persons who are considering entering the commercial fishing field, and others who are interested in fields related to fishing.

"A Preliminary Report on the Fishery and on the Biology of the Squid (Loligo opalescens)," by W. Gordon Fields, article, California Fish and Game, October 1940, vol. 36, no. 4, pp. 366-77, illus., printed. Division of Fish and Game, State Fisheries Laboratory, Terminal Island Station, San Pedro, Calif. According to this report, the present study of the fishery and the biology of the squid was undertaken to increase the previously fragmentary knowledge of this commercially valuable mollusk. The report discusses the history of the squid fishery on the West Coast, the composition of the spawning population, weight-length relationship, and spawning season.

Schedule A (Statistical Classification of Commodities Imported into the United States with Rates of Duty and Tariff Paragraphs; and Code Classification for Countries /Schedule C/; United States Customs Districts and Ports /Schedule D/; and Flag of Vessel Registry /Schedule J/, August 1, 1950), 294 p., indexed, \$2.50 to domestic subscribers and \$3.50 to foreign subscribers (rates include the supplemental bulletins and pages for a period of at least one year). Bureau of the Census, U. S. Department of Commerce, Washington, D. C. (For sale by the Superintendent of Documents, Washington 25, D. C., and may also be ordered from Department of Commerce field offices.) This edition of Schedule A is a reprint of the September 1, 1946 edition incorporating all of the changes which have been made by supplementary public bulletins since the 1946 edition was issued. The 1950 edition includes the modified rates of duty and changes in classification necessary to reflect concessions negotiated at Geneva, Switzerland, and at Annecy, France, under the General

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Agreement on Tariffs and Trade dated October 30, 1947. This edition is printed in loose-leaf form and changes in the Schedule will be made by public bulletins and/or revised insert pages.

Small Boat Engine Manual, by C. Morgan Jones, 276 p., illus., printed, \$4.00. Cornell Maritime Press, Cambridge, Maryland, 1948. This Manual fills the small boat operator's need for general guidance in the installation, maintenance, and repair of mechanical equipment aboard small craft. Although the title indicates special emphasis on the boat engine itself, the author has included information on such equipment as propellers, heating systems, fire-fighting equipment, steering-gear mechanisms, etc. Maintenance and repair of both Diesel and gasoline engines are treated comprehensively but in a practical manner through the use of non-technical language that the average small-boat owner can readily understand. Some of the subjects covered are: choosing the right engine; cylinder blocks, crankshafts, connecting rods and pistons; valves, camshafts and timing gears; carburetors; electrical systems; storage batteries; transmission systems; Diesel fuel injectors, pumps, nozzles, and blowers; auxiliary power plants, and miscellaneous equipment. The component parts of both types of engines are discussed, and pointers on repair and adjustment of the individual parts are given. An entire section of the Manual is devoted to "trouble shooting," which should be particularly helpful to the small-boat owner in diagnosing ordinary causes of motor failure when assistance from a mechanic is not available at sea. The Manual is well illustrated and should prove valuable to commercial fishermen who are operating small boats as well as to operators of small pleasure craft.

A Survey of the Capacity of Cold Storage Warehouses in the United States as of October 1, 1949, 33 p., (with tables and graphs), processed, free. Marketing Facilities Branch, Production and Marketing Administration, U. S. Department of Agriculture, Washington 25, D. C., September 1950. This survey is the fifteenth of a series of biennial space surveys issued since 1921 and covers 1,849 plants. Included in this report are data on the refrigerated storage capacity in the United States by geographic regions, by states, and by cities.

Work of FAO 1949/50 (Report of the Director-General), 91 p., printed. Food and Agriculture Organization of the United Nations, Washington, D. C., October 1950. This is the fifth annual report of the Director-General of the Food and Agriculture Organization of the United Nations for the period (nominally) June 30, 1949-July 1, 1950. Though there was no regular session in 1950, and the Special Sessions which did convene had no commission to review the technical work, this report was prepared for the information of governments and the public. The report consists of a Foreword, "FAO Yesterday and Tomorrow," which is a brief review of some outstanding achievements of the first five years of FAO and an analysis of its present position in the light of recent world events. Part I is an account of important "Organization-wide Developments" during the year. Part II contains the "Work of the Technical Divisions," and the section on fisheries in this part explains the FAO fisheries program and the various activities of the organization. Included among the discussions of the activities are the Fisheries Bulletin; a handbook on

"Pond Fish Culture Practices in Southeast Asia;" fishing methods and gear; commodity studies, cataloging of research and educational institutions; survey of the world's fisheries resources; statistical services; standardization of names; commodity standards; regional fisheries councils; consulting services; technical meetings; Technological Abstracts; Standing Advisory Committee on Fisheries; and co-operation with other organizations. An appendix containing miscellaneous data is also included.

World Fisheries Year-Book and Directory 1950 (Incorporating the North Atlantic Fisheries Year-Book and the Herring Exporters Manual), edited by Harry F. Tysser, 520 p., printed, illus., \$1 (approx. \$2.80). British-Continental Trade Press Ltd., 222 Strand, London, England, 1950. This book consists of two main parts. The first part contains articles on various subjects of interest to the fisheries and fish-processing industries and trades. The second half of the book is a directory that lists names; addresses, and other particulars of firms in eight branches of the industry, grouped by countries (includes about 5,000 firms in 68 countries). Includes exporters, curers, quick freezers, trawler owners; importers and wholesalers; fish canners and preservers; firms manufacturing and handling machinery and equipment for processing, refrigeration, packing; firms handling packing materials; ship-builders and repairers; firms handling nets and cordage, instruments, etc.; producers of fish byproducts--meal, oil, vitamins, etc.; and cold storage and transport companies. It also gives a list of trade marks and names; and a buyers' guide (classified list of advertisements). Some of the articles included are: Progress in Quick-Freezing; Sales Promotion in America; The Work of the International Council for the Exploration of the Sea; Arctic Fishery Research; The Echo-Sounder and Fishing; Sardine Canning Methods; Trends in Fish Oil Technology; Processing of Fish (Interesting New Machinery Developments); Fishing Vessel Construction; Radio Equipment for Fishing Vessels; Airborne Seafoods; as well as articles on the fisheries of specific countries. This book also contains a list of fish species on the markets; organizations and trade associations; trade journals of interest to the fish trade; and a dictionary of fish names in English, French, German, Norwegian, Danish, Swedish and Dutch, with scientific names.

World Outlook and State of Food and Agriculture--1950, 81 p., processed. Food and Agriculture Organization of the United Nations, Washington, D. C., October 1950. In line with recommendations of the Fifth Session of the FAO Conference, this report brings together information on the general world economic outlook; the outlook for individual farm, forestry, and fisheries commodities; the changing patterns of world trade; the changes in international investment; and the general state of food and agriculture. The section on fisheries products discusses 1949 production and marketing trends for fresh and frozen, salted, and canned fish, and oils and meals.

Trade Lists

The Commercial Intelligence Branch, Office of International Trade, U. S. Department of Commerce, has published the following mimeographed trade list. Copies of this list may be obtained by firms in the United States from that office or from Department of Commerce

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field offices at \$1.00 per list.

Feedstuffs - Importers, Dealers, Manufacturers and Exporters--Union of South Africa, 10 p. (October 1950). This list gives the names,

addresses, and products handled by importers, dealers, manufacturers and exporters of feedstuffs. Includes those handling fish meal and oil, crayfish meal, and whale bone meal.



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Illustrator-- Gustaf T. Sundstrom

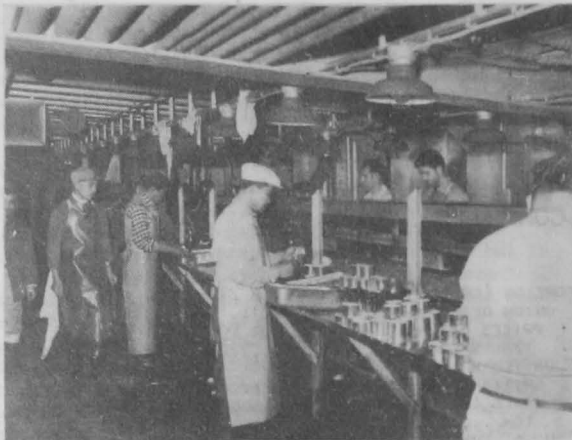
Compositors-- Jean Zalevsky, Carolyn Wood, Betty Coakley

"S.S. PACIFIC EXPLORER"

PART V - 1948 OPERATIONS IN THE NORTH PACIFIC AND BERING SEA

Fishery Leaflet 361, S. S. Pacific Explorer, Part V--1948 Operations in the North Pacific and Bering Sea, reports on the crab canning, fish filleting, and waste reduction operations conducted aboard the American factory ship Pacific Explorer in 1948. This ship was a development resulting from the need for additional sources of protein foods during wartime.

This 161-page publication discusses in detail the fishing operations, crab-processing and fish-processing activities, and the reduction of fish aboard the vessel. Included is a general description of the activities of the whole operation in the North Pacific and Bering Sea, general operating requirements, working agreements, and personnel facilities. Several appendixes contain a summary of the charter agreement, description of the fishing gear, fishing technique, crab-processing formula, abundance and condition of king crabs and fish in the various localities fished, and individual tow records for the otter trawl and the tangle net. There are also a number of tables which include season landings of the Pacific Explorer fishing fleet (by vessel and month), daily landings aboard the Pacific Explorer, fish filleting recovery aboard the factory ship, productivity per man-hour, crab-line production data, and other detailed information.



PACKING TABLE ABOARD THE S. S. PACIFIC EXPLORER

In addition to the operations in the North Pacific and Bering Sea, the Pacific Explorer fished for tuna during part of 1947 in the waters off Central and South America. Four reports were published describing this operation. Part I, giving

the factors considered in the conversion of the ship and a general description of the arrangement of the vessel, was published in the January 1947 Commercial Fisheries Review and has been reprinted as Separate No. 161. Part II, on suggestions for operators of tuna-receiving ships, was issued as Fishery Leaflet 301. Part III, on the structure of the ship and the refrigeration system, was issued as Fishery Leaflet 316. Part IV, describing the movement of the catch through the various handling places on the ship, the transfer of supplies to the fishing vessels, and the personnel involved, was issued as Fishery Leaflet 326. Copies of all or any of these publications are obtainable free upon request from the U. S. Fish and Wildlife Service, Washington 25, D. C.

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