



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

Number	Title
CFS-484	- Maine Landings, by counties, 1948 Annual Summary
CFS-485	- Maine Landings, May 1949
CFS-486	- Fish Meal and Oil, June 1949
CFS-487	- Fisheries of the United States and Alaska, 1946 Annual Summary
CFS-488	- Pacific Coast Fisheries, 1947 Annual Summary
CFS-489	- Frozen Fish Report, Preliminary, August 1949
CFS-489	- Frozen Fish Report, August 1949, Final
CFS-491	- Maine Landings, June 1949
FL-343	- Floating Trawls
FL-345	- Whale and Fish Oils (Iceland)
FL-347	- Growth of South African Fisheries
FL-348	- German Commercial Electrical Fishing Device
FL-349	- Fishing and Fisheries (Brazil)
SL-107 (Revised)	- Firms Canning Miscellaneous Fish and Fish Products, 1948
SL-109 (Revised)	- Firms Canning Caviar and Fish Roe, 1948
SL-115 (Revised)	- Firms Canning Miscellaneous Shellfish and Turtle Products, 1948
SL-116 (Revised)	- Firms Canning Food for Animals from Fishery Products, 1948
SL-119 (Revised)	- Firms Canning Squid, 1948
SL-120 (Revised)	- Firms Canning Anchovies, 1948
SL-155 (Revised)	- Firms Manufacturing Marine Pearl-Shell Buttons, 1948
Sep. 235	- Japanese Methods of Oyster Culture
Sep. 236	- Use of Pyrex Test and Culture Tubes as Solution Cells with Pfaltz and Bauer Photoelectric Fluorophotometer

### MISCELLANEOUS PUBLICATIONS

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

"Age and Length Composition of the Sardine Catch off the Pacific Coast of the United States and Canada in 1948-49," by Frances E. Felin, Julius B. Phillips, and Anita E. Daugherty, article, California Fish and Game, July 1949, vol. 35, no. 3, pp. 165-183, printed, free. Division of Fish and Game, Department of Natural Resources, San Francisco, Calif. This is a third report on age and length composition of the sardine

(Sardinops caerulea) catch off the Pacific Coast of the United States and Canada and covers the 1948-49 season (mostly tables). For inter-season fisheries, data on age and length composition, estimated numbers of fish caught, mean lengths and standard error of the means of each year-class are presented in Tables 1 through 4. For the regular season, Tables 5 through 7 give age and length composition in Oregon; Tables 8 through 10 for California ports, together with the Pacific Northwest summary and a summary for the entire coast. Number of fish, mean length, and standard error of the mean of each year-class in the samples for 1948-49 by region of catch are given in Table 11. Calendar dates for lunar months in the 1948 interseason and 1948-49 season are given in Table 12. Age composition of the catch in terms of numbers of fish caught in the Pacific Northwest and in California appear in Table 13.

Aid to States in Fish Restoration and Management Projects, Senate Report No. 891 (to accompany H. R. 1746), August 11, 1949, 2p., printed. Senate Committee on Interstate and Foreign Commerce, Eighty-First Congress, First Session. A favorable report by the Committee on H. R. 1746, to provide that the United States shall aid the States in fish restoration and management projects, and for other purposes.

Biographies of Florida's Important Food Fish and Their Nutritive Value, 31 p., illus., printed, free. Florida State Board of Conservation, Tallahassee, Fla. This publication presents Florida's more important food fish and a brief narrative of each one. The first part of the booklet discusses the nutritive value of fish and shellfish.

"Experiments in Catching Pelagic Fish and Invertebrates in the Seas of the Far East by Electric Light," by P. G. Borisov, article (in Russian) Rybnoe Khosiaistvo, No. 1, 1949, pp. 18-23. The method of catching fish by electric light described in this article consisted in illuminating the surface of the sea with a 1000-watt electric lamp suspended from the deck of the ship. When sufficient number of fish gathered in the illuminated area, all lights above the surface were turned off, while the underwater lamp of the same intensity, lowered to the desired depth, was turned on. A pyramid-shaped net, three meters high and .4 sq. meters at the base, was set below the underwater lamp. As soon as sufficient number of fish gathered above the opening, the net was hauled up. The catch in a single haul varied from 30 to 120 kilos (66 to 264 pounds). Lamps of various colors were used. The depth to which they were lowered varied from 1 to 80 meters. The bulbs could not stand greater depth and all burst below 80 meters. The following fishes were caught in fairly large quantities: Saira (Cololabis saira), Scomber (Pneumatophorus japonicus), anchovy (Engraulis japonicus), Koriushka (Osmerus eperlanus dentex), Ogurechnik (Hypomerus olidus), Kundja (Salvelinus leucomaenis), Krasnoperka (Leuciscus crandti), calmar (Onmastrephes sloani pacificus--a cephalopod) and shrimp (Pandalus latirostris).

-- Dr. P. S. Galtsoff

"General Aspects of the World's Tuna Fisheries," article, Fisheries Bulletin, July-August 1949, vol. II, no. 4, pp. 82-105, processed, 25 cents per issue. Food and Agriculture Organization, Washington, D. C. Some of the more important features of the world's tuna fisheries (including bonito) are briefly outlined in text and tabular form in this number of the Fisheries Bulletin. In view of the importance of these fisheries and the awakening interest now being shown in their expansion, this introductory outline should be of value to all those interested in tuna. Included are data on world landings of tuna, tuna-canning industries, the United States as the major market for canned tuna, tables on landings of tuna, and tables on tuna canning and marketing.

International Convention for the Northwest Atlantic Fisheries, Executive Rept. No. 10, July 25, 1949, 6 p. with map, printed. Senate Committee on Foreign Relations, Eighty-First Congress, First Session. Discusses the purpose, background, advantages, implementation and costs, and benefits of the Convention for the Northwest Atlantic Fisheries. Includes a summary of the main provisions, and committee action and hearing.

Japanese Whaling, 17 p., printed. Foreign Office, Japanese Government, January 1949. This monograph describes the importance of whaling to Japan as a source of meat, oil, and foreign exchange funds, and briefly summarizes the history of Japanese prewar and postwar whaling. The results of the 1946-47 and 1947-48 Antarctic whaling expeditions are set forth in detail. It concludes with an expression of Japan's willingness to adhere at any time to the International Whaling Convention and of Japan's hope that continuance of its Antarctic whaling operations will be approved by all nations concerned.

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, First Session, on various bills, May 12, 13, and 24, 1949), 120 p., printed. Available only from the House Committee on Merchant Marine and Fisheries until exhausted. Includes hearings and statements on H. J. Res. 202 relating to investigation and eradication of predatory sea lampreys of the Great Lakes, and to amend the act of August 8, 1946; H. Res. 174 relating to the study of the effect of imports of fresh and frozen fish on the domestic fishing industry; H. R. 4249 and H. R. 4252 relating to the transfer of the trawlers Alaska and Oregon from the RFC to the Fish and Wildlife Service, H. R. 2501 relating to a continuing study of the shad of the Atlantic Coast by the Fish and Wildlife Service; and various other bills relating to the establishment of rearing ponds and fish hatcheries.

"Notes on the Spawning Grounds and Early Life History of the Pacific Mackerel," by Phil M. Roedel, article, California Fish and Game, July 1949, vol. 35, no. 3, pp. 147-153, illus, printed, free. Division of Fish and Game, Department of Natural Resources, San Francisco, Calif. For a number of years prior to 1942, the California Bureau of Marine Fisheries made a series of surveys along the California and Lower California coast in order to determine the extent of the spawning grounds of the Pacific mackerel (Pneumatophorus diego Ayres). In 1936, two papers were published (Fry 1936 a, b), the first describing the eggs and early larval stages and the second delineating the spawning grounds as they were then known. From 1936 through 1941, a considerable amount of additional data were obtained both as to spawning grounds and early life history. This article presents this material, together with a summary of Fry's findings, as an aid to other workers.



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