

PUBLICATIONS

FISH AND WILDLIFE SERVICE

These publications are available free from the Office of Information, U. S. Fish and Wildlife Service, Washington, D. C. 20402. Publications are designated:

- FS -- Current fishery statistics of the United States.
 FL -- Fishery leaflets.
 SEP. -- Separates (reprints) from Commercial Fisheries Review.
 SR. -- Fish. -- Special Scientific Reports -- Fisheries (limited distribution).

Number	Title
CFR4127	--Michigan, Ohio, & Wisconsin Landings, March 1966, 4 pp.
CFR4143	--South Carolina Landings, April 1966, 2 pp.
CFR4155	--Maryland Landings, April 1966, 4 pp.
CFR4156	--Texas Landings, 1965 Annual Summary, 8 pp.
CFR4158	--Massachusetts Landings, 1965 Annual Summary, 13 pp.
CFR4165	--New York Landings, March 1966, 4 pp.
CFR4167	--New York Landings, April 1966, 4 pp.
CFR4170	--Hawaii Fisheries, 1965 Annual Summary, 4 pp.
CFR4173	--New Jersey Landings, May 1966, 3 pp.
CFR4174	--Shrimp Landings, January 1966, 5 pp.
CFR4176	--Georgia Landings, May 1966, 3 pp.
CFR4177	--Mississippi Landings, April 1966, 3 pp.
CFR4178	--Mississippi Landings, May 1966, 3 pp.
CFR4180	--Maryland Landings, May 1966, 4 pp.
CFR4181	--Virginia Landings, May 1966, 4 pp.
CFR4182	--Fish Meal and Oil, May 1966, 2 pp.
CFR4183	--North Carolina Landings, June 1966, 4 pp.
CFR4184	--Florida Landings, May 1966, 8 pp.
CFR4186	--Louisiana Landings, May 1966, 3 pp.
CFR4187	--Massachusetts Landings, January 1966, 5 pp.
CFR4190	--California Landings, April 1966, 4 pp.

CFS-4196--Florida Landings, June 1966, 8 pp.
 CFS-4197--Maine Landings, May 1966, 4 pp.
 CFS-4199--Maryland Landings, June 1966, 4 pp.

Sep. No. 771--An Evaluation of the Air Bubble Curtain as a Barrier to Alewives, by George A. Kupfer and William G. Gordon.

FL-582--The Bait Shrimp Industry of the Gulf of Mexico, by Anthony Inglis and Edward Chin, 13 pp., illus., May 1966. (Also Contribution No. 211, BCF Biological Laboratory, Galveston, Tex.) Describes fishing gear used by shrimp bait fishermen, the methods of operation, and the marketing practices in Texas and Florida.

SSR--Fish. No. 526--Synopsis on the Biology of the Jack Mackerel (Trachurus symmetricus), by John S. MacGregor, 19 pp. illus., April 1966.

SRR--Fish. No. 527--Age and Size Composition of the Menhaden Catch Along the Atlantic Coast of the United States, 1962. With Brief Review of the Commercial Fishery, by William R. Nicholson and Joseph R. Higham, Jr., 28 pp., illus., February 1966.

Annual Report of the Bureau of Commercial Fisheries Technological Laboratory, Gloucester, Mass., for the Fiscal Year Ending June 30, 1964, by Joseph W. Slavin, Circular 241, 34 pp., illus., May 1966. During 1964 the laboratory emphasized methods of improving the quality of fish and fishery products. Report discusses research on freeze denaturation of proteins, preservation and processing, standards and specifications, and radiation pasteurization; also, the laboratory's marine products development irradiator program and aims, and inspection and certification of fishery products. Included are lists of publications by laboratory personnel and papers presented at meetings.

Report of the Bureau of Commercial Fisheries Biological Station, St. Petersburg Beach, Florida, Fiscal Year 1965, by James E. Sykes, Circular 242, 34 pp., illus., April 1966. Discusses estuarine and red-tide investigations, and some results.

Fishery Bulletin, vol. 65, no. 2, January 1966, pp. 299-525, illus., printed. Some articles: "Annual marks on shell and ligament of sea scallop Placopecten magellanicus," by Arthur S. Merrill, Julius A. Posgay, and Fred E. Nichy; "Dynamics of a penaeid shrimp population and management implications," by Joseph H. Kutkuhn; "Study of loss and delay of salmon passing Rock Island Dam, Columbia River, 1954-56," by Robert R. French and Roy L. Wahle; "Occurrence in Tampa Bay, Florida, of immature species dominant in Gulf of Mexico commercial fisheries," by James E. Sykes and John H. Finucane; "Gill net mesh selection curves for Pacific salmon on the high seas," by Alvin E. Peterson; "Life history of the gizzard shad, Dorosoma cepedianum (Le Sueur), in western Lake Erie," by Anthony Bodola; "Migrations and geographic distribution of pink shrimp Penaeus duorarum, of the Tortugas and Sanibel Grounds, Florida," by T. J. Costello and Donald M. Allen; "Time of migration and age group structure of sockeye salmon (Oncorhynchus nerka) spawning populations in the Naknek River system, Alaska," by Richard R. Straty; "Skipjack tuna spawning in the Marquesas Islands and Tuamotu Archipelago," by Howard O. Yoshida; "Food of young-of-the-year wall-eyes in Lake Erie," by David R. Wolfert; and "Effect of the spawning bed environment on reproduction of pink and chum salmon," by William J. McNeil.

Fishery Bulletin, vol. 65, no. 3, 1966, pp. 527-686, illus., printed. Some articles: "Life history of the spiny dogfish," by Albert C. Jensen; "Pygmy whitefish Prosopium coulteri in the Naknek River system," by William R. Heard and Wilbur L. Hartman; "A review of western Atlantic cat sharks, Scyliorhinidae, with descriptions of a new genus and five new species," by Stewart Springer; "Survey of pelagic fishes of the California current area," by Frederick H. Berry and Herbert C. Perkins; and "Rapid method for determining water content in oyster tissue," by Thomas C. Carver, Jr.

The following publications are available only from the specific office mentioned:

California Fishery Market News Monthly Summary, Part I--Fishery Products Production and Market Data, July 1966, 15 pp. (Market News Service, U. S. Fish and

Wildlife Service, Post Office Bldg., San Pedro, Calif. 90731.) California cannery receipts of tuna and tunalike fish and other species used for canning; pack of canned tuna, tunalike fish, mackerel, and anchovies; market fish receipts at San Pedro, Santa Monica, and Eureka areas; California and Arizona imports; canned fish and frozen shrimp prices; ex-vessel prices for cannery fish; prices for fish meal, oil, and solubles; for the month indicated.

California Fishery Market News Monthly Summary, Part II--Fishing Information, July 1966, 14 pp. illus. (U. S. Bureau of Commercial Fisheries, Tuna Resources Laboratory, P. O. Box 271, La Jolla, Calif. 92038). Contains sea-surface temperatures, fishing and research information for July of interest to the West Coast tuna fishing industry and marine scientists.

California Fishery Products and Byproducts Brokers, Importers, and Exporters, 1966, SP List 1 (Revised), 15 pp., August 1966. (Market News Service, U. S. Fish and Wildlife Service, Post Office Bldg., San Pedro, Calif. 90731.)

Available from the Branch of Reports, Bureau of Commercial Fisheries, U. S. Department of the Interior, Washington, D. C. 20240:

Oceanographic Observations, 1963, East Coast of the United States, by Joseph Chas. Data Report 10, 3 microfiche cards, illus. Mar. 1966, distribution limited.

Oceanographic Observations South of Adak Island, Summer 1963, by Craig Van Dyke, Data Report 12, 1 microfiche card, illus., May 1966, distribution limited.

Proximate Composition of Lake Michigan Alewife (Alosa pseudoharengus), by Donald R. Travis, FIR Reprint 33, 3 pp., printed. (Reprinted from Fishery Industrial Research, vol. 3, no. 2, pp. 1-4.) Branch of Reports, U. S. Bureau of Commercial Fisheries, 2725 Montlake Blvd., Seattle, Wash. 98102.

(Seattle) Washington and Alaska Receipts and Landings of Fishery Products for Selected Areas and Fisheries, Monthly Summary, July 1966, 9 pp. (Market News Service, U. S. Fish and Wildlife Service, 706 New

General Office Bldg., 909 First Ave., Seattle, Wash. 98104.) Includes July information on landings by the halibut fleet reported by the Seattle Halibut Exchange; season landings reported by primary receivers; landings of halibut reported by International Pacific Halibut Commission; landings and otter-trawl receipts reported by fishermen's Marketing Association of Washington; local landings by independent vessels; coastwise shipments from Alaska scheduled and nonscheduled shipping lines and airways; imports from British Columbia via rail, motor truck, shipping lines, and ex-vessel landings; and imports from other countries through Washington customs district.

Shellfish Situation and Outlook, CEA-S1, 47 pp., June 1966. (U. S. Bureau of Commercial Fisheries, Branch of Current Economic Analysis, 1815 N. Ft. Myer Drive, Arlington, Va. 22209.) First issue of new quarterly directed mainly at assisting fishery management in making short-run and intermediate production, distribution, and pricing decisions. Available pertinent shellfish facts assembled and analyzed to give picture of probable market conditions and price movements in the future.

The following service publication is for sale and is available only from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402:

Pollution-Caused Fish Kills in 1965, Sixth Annual Report, WP-12, 32 pp., illus., printed 1966, 25 cents. Data on pollution-caused fish kills by State, source of pollution, type of water and water body, severity of damage, and related subjects.

MISCELLANEOUS

These publications are not available from the Fish and Wildlife Service, but usually may be obtained from the organization issuing them. Correspondence regarding publications that follow should be addressed to the respective organization or publisher mentioned. Data on prices, if readily available, are shown.

AGAR AGAR:

"Mode of action of an inhibitor from agar on growth and hemagglutination of group A arboviruses," by Julio I. Colón and others, article, Journal of Bacteriology, vol. 90, July 1965, pp. 172-179, printed. Williams & Wilkins Co., 428 East Preston Street, Baltimore, Md. 21202.

ALGAE:

"Utilization of algae as a protein source for humans," by Richard Dam, et al., article, Journal of Nutrition, vol. 86, Aug. 1965, pp. 376-382, printed. Wistar Institute of Anatomy and Biology, 36th Street at Spruce, Philadelphia, Pa. 19104.

ANTIBIOTICS:

Antimycin--A New Fishery Tool, by Robert E. Lennon, 2 pp., illus., printed. (Reprinted from Wisconsin Conservation Bulletin, March-April 1966.) Wisconsin Conservation Department, Box 450, Madison, Wis. 53701.

AUSTRALIA:

Fisheries Australia, Statistical bulletin No. 11-1964-65, 52 pp., illus., processed. Commonwealth Bureau of Census and Statistics, Canberra, Australia. Contains statistics on Australia's marine and fresh-water fisheries, including boats, equipment and persons engaged; production, processing and consumption; and foreign trade.

CANADA:

35th Annual Report 1964, 102 pp., illus., printed, 1966. Department of Fisheries, Ottawa, Canada. (Sold by Queen's Printer and Controller of Stationery, Ottawa, Canada.) Contains such items as inspection service; economics service; industrial development service; fishermen's indemnity plan; Fisheries Prices Support Board; and the fishing industry. Also, statistical tables showing the landings and landed values of fish and shellfish by areas and species, and by areas and provinces; export by types of products; and others.

"The South Bay Fisheries Research Station," by F. P. Maher, article, Ontario Fish and Wildlife Review, vol. 5, no. 1, 1966, pp. 15-20, illus., printed. Department of Lands and Forests, Parliament Buildings, Toronto 5, Ontario, Canada.

These publications are not available from the Fish and Wildlife Service, but usually may be obtained from the organization issuing them.

CEYLON:

Administration Report of the Director of Fisheries for 1963-64, by S. S. H. Silva, Part IV--Education, Science, and Art (L), 105 pp., printed in Sinhalese and English, September 1965. Government Publications Bureau, P.O. Box 500, Secretariat, Colombo.

COD:

"Noen forsok med 'dobbeltfrysing av torsk' (Some experiments with freezing and re-freezing of codfish), by G. Lorentzen, article, Kulde, vol. 19, no. 4, August 1965, pp. 53-58, illus., printed in Norwegian.

CRAB:

"King crab gets royal treatment from quality-conscious packers," article, Pacific Fisherman, vol. 63, June 1965, pp. 16-22, printed. Pacific Fisherman, Editorial Office, 71 Columbia St., Seattle, Wash. 98104.

DENMARK:

Bulletin Statistique des Pêches Maritimes (Statistical Bulletin for Marine Fisheries), vol. XLVIII (1963), 67 pp., printed in English, January 1966. Conseil Permanent International pour l'Exploration de la Mer, Charlottenlund Slot, Denmark.

EELS:

Sand Eels (AMMODYTIDAE) in the South-Western North Sea; Their Biology and Fishery, by C. T. Macer, Fishery Investigations, series II, vol. XXIV, no. 6, 58 pp., illus., printed, 1966, 19s. (US\$2.66). Fisheries Laboratory, Ministry of Agriculture, Fisheries and Food, Lowestoft, Suffolk, England. (Sold by Her Majesty's Stationery Office, 49 High Holborn, London, W.C.1, England.)

FATTY ACIDS:

"The triglycerides of sablefish (Anaplopoma fimbria). II--Fatty acid distribution in triglyceride fractions as determined with pancreatic lipase," by Ami Dolev and H. S. Olcott, article, Journal of the American Oil Chemists Society, vol. 42, Dec. 1965, pp. 1046-1051, printed. American Chemical Society, 1155 Sixteenth Street NW., Washington, D.C. 20036.

FISH MEAL:

"Fish meal studies. 2--Effects of levels and sources on 'fish flavor' in broiler

meat," by Jack L. Fry, et al, article, Poultry Science, vol. 44, July 1965, pp. 1016-1019, printed. Poultry Science, Texas A M College System, College Station, Tex. 77843.

FISH MUSCLE:

"Fatty acid uptake and esterification by fish muscle," by M. Hamosh, R. Atia, and B. Shapiro, article, Journal of Food Science, vol. 31, Mar.-Apr. 1966, pp. 146-150, printed. The Garrard Press, 510 North Hickory St., Champaign, Ill. 61820.

FISH PROTEIN CONCENTRATE:

"Fish flour: FDA approval likely on improved product," by Jane Ayres, article, Science, vol. 152, May 6, 1966, pp. 738-739, American Association for the Advancement of Science, 1515 Massachusetts Ave. NW., Washington, D. C. 20005.

"Supplementation of bread with fish flour and amino acids--A comparison of evaluation methods," by G. R. Jansen, C. F. Hutchison, and M. E. Zanetti, article, Food Technology, vol. 20, Mar. 1966, pp. 91-94, printed. Institute of Food Technologists, Special Services Office, 510 North Hickory St., Champaign, Ill. 60611.

FISH PUMP:

"Fish pump's gentle touch is kind to profit," article, Fishing Gazette, vol. 82, Sept. 1965, pp. 17, 23, printed. Fishing Gazette Publishing Corp., 461 Eighth Ave., New York, N. Y. 10001.

FRANCE:

Cahiers O.R.S.T.O.M.-Océanographie, vol. III, no. 1, 1965, 105 pp., illus., printed in French, a single issue 20 francs (US\$4.00) plus postage. Office de la Recherche Scientifique et Technique Outre-Mer, 24, rue Bayard, Paris 8^e, France. (Sold by Service Central de Documentation, 80, route d'Aulnay, Bondy, Seine.) Includes article on: "Note d'information sur les prospections de fonds chalutables effectuées par le centre d'oceanographie et des peches (ORSTOM) de Pointe-Noire dans l'est du Golfe de Guinee" (Information note on explorations of trawlable bottoms by Le Centre d'Océanographie et des Pêches (ORSTOM) de Pointe-Noire in the eastern Gulf of Guinea), pp. 71-72; "Etude de

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clques caracteres de *Sardinella eba* (C et V) de Cote D'Ivoire" (Some characteristics of *Sardinella eba* (C et V) of the Ivory Coast), by E. Marchal, pp. 87-94; "Note sur deux caracteres de *Sardinella aurita* (C et V) de Cote D'Ivoire" (Note on the characteristics of *Sardinella aurita* (C et V) of the Ivory Coast), by E. Marchal, pp. 95-99.

Essais d'Ostreiculture dans les Marais Salés (Oyster Culture Tests in the Saline Marshes), by Marie-José Corneille, Science et Pêche, no. 148, May 1966, pp., illus., printed in French. L'Institut Scientifique et Technique des Pêches Maritimes, 59 Avenue Raymond-Poincaré, Paris 16^e, France.

FREEZING

"Experimental study of freezing fish by liquid nitrogen," by A. Kaneko, article, Refrigeration, vol. 40, no. 456, October 1965, pp. 28-30, illus., printed. Nickerson & Collins Co., 433 North Waller Ave., Chicago, Ill., 60644.

FREEZING AT SEA:

"Frysinger med frysing ombord" (Experiences with freezing at sea), by P. Hysing-Jensen, article, Kulde, vol. 19, no. 4, August 1965, pp. 49-52, printed in Norwegian.

FRESH-WATER FISHERIES:

"The productivity of lakes and rivers," by Roberto Tonolli and Julian Rzóška, article, Scientist, vol. 30, no. 491, April 14, 1966, pp. 119-121, illus., printed. Cromwell House, Fulwood Place, High Holborn, London WC1, England. How much fish can we expect to harvest from their inland waters? Author believes the answer to this question is to be sought in many places in many climates, on the basis of thorough measurements of aquatic ecological systems under the International Biological Programme.

GENERAL:

McClane's Standard Fishing Encyclopedia and International Angling Guide, edited by Robert J. McClane, 1,088 pp., illus., printed, 1965. Holt, Rinehart, and Winston, Inc., 100 Madison Ave., New York N.Y., 10017. Contributions from 141 scientists and angling experts. Detailed information on the world's fishing areas, chapters on fly fish-

ing, spinning, trolling, and surf casting. Instructions on rod-building; mounting and preserving specimens in the field; scuba diving; smoking, freezing, storing, and cooking fish; fly-tying; choosing best fishing craft for any type water; understanding aquatic and marine biology; first aid and protection against dangerous marine organisms; raising bait fish. Water pollution and thermal stratification of lakes. Each fish is cross-referenced with common, and local names, anatomy, size, color, spawning habits, food, growth, age, young, etc. Lengthy chapter on preparation and cooking fish, with recipes covering methods, sauces, and other pertinent details.

HERRING:

Herring Stock Record Data, 1964, Statistical News Letters, no. 27, 77 pp., illus., printed, May 1966. International Council for the Exploration of the Sea, Charlottenlund Slot, Denmark.

INDIA:

"The fishing industry in India (targets for production)," article, Seafood Trade Journal, vol. 1, no. 7, July 1966, pp. 21-23, printed. The Seafood Cannery and Freezers' Association of India, Cochin, India.

IOWA:

Quarterly Biology Reports, vol. XVII, no. 1, Jan., Feb., Mar. 1966, 48 pp., illus. Biology Section, Fish and Game Division, State Conservation Commission, East 7th and Court Sts., Des Moines, Iowa 50309. Section on fisheries contains: "West Okoboji Lake walleye study--1964-65," by Terry Jennings; "A description of the Wapsipinicon River drainage with reference to the fishes of the proposed Central City reservoir," by Robert Schacht; "Missouri River Ox-Bow Lake fishery--Part 2: Walleye and sauger," by Bill Welker; and "Evaluation of the utilization of 1½-inch and 3-inch bar measure buffalo nets on Des Moines River," by Gary L. Ackerman.

IRRADIATION PRESERVATION:

"Food irradiation approaches commercialization," article, Processing and Freezing, vol. 38, July 1965, pp. 8-9, printed. Ginn-Schrock Publishing Company, 612 N. Michigan Ave., Chicago, Ill. 60611.

These publications are not available from the Fish and Wildlife Service, but usually may be obtained from the organization issuing them.

JAPAN:

Bulletin of the Japanese Society of the Scientific Fisheries, vol. 31, no. 12, December 1965, pp. 955-1080, illus., printed in Japanese and English. Japanese Society of Scientific Fisheries, Shiba-Kaigandori 6, Minato-ku, Tokyo, Japan. Includes articles on: "The reproduction situation of Pacific salmon (*Oncorhynchus* sp.) in Alaska - I. Pink salmon (*O. gorbuscha*)," by Kisaburo Taguchi, pp. 957-963; "The reproduction situation of Pacific salmon (*Oncorhynchus* sp.) in Alaska. II. Chum salmon (*O. keta*)," by Kisaburo Taguchi, pp. 964-970; "Bathymetric change of daily hauls per boat in relation to daily catch by the Danish seiners of a fish-meal fleet fishing in the Bering Sea," by Shiro Minami, pp. 971-976; "The discrimination of races of 52 and 63 aged sockeye salmon and their distributions in the northern Pacific," by Hiroshi Hirose and Ryuhei Sato, pp. 1,006-1,018; "Distribution pattern of groundfishes hooked along a row of setline in the shallower part of the Continental Slope in the Bering Sea - IV. Distribution on a very easy slope," by Hiroshi Maeda, pp. 1,019-1,025; "Studies on the effects of marine products on cholesterol metabolism in rats - V. The effects of edible seaweeds (supplement)," by Takashi Kaneda, Pentula V. Kamasastri and Setsuko Tokuda, pp. 1,026-1,029; "Studies on the biological formation of formaldehyde and dimethylamine in fish and shellfish - VII. Effect of methylene blue on the enzymatic formation of formaldehyde and dimethylamine from trimethylamine oxide," by Kinjiro Yamada and Keishi Amano, pp. 1,030-1,037; "On the behavior of fish to fishing nets (review)," by Chihiro Miyazaki, pp. 1,049-1,080.

KENYA:

Report on Kenya Fisheries 1964, 30 pp., illus., printed, 1966, 3s. (42 U.S. cents). Republic of Kenya, Nairobi, Kenya. Reports on the inland fisheries of Western and Nyanza provinces; Lake Victoria fishery; fisheries of Lakes Naivasha and Baringo; trout hatchery and fisheries; fish culture farm, Sagana station; Turkana fishery at Ferguson's Gulf, Lake Rudolf; inland fisheries of Coast Province; sea fisheries; plus fishery statistical tables on production, imports and exports, catch analysis, etc.

MEDITERRANEAN:

Studies and Reviews, processed. General Fisheries Council for the Mediterranean Secretariat, Food and Agriculture Organization of the United Nations, Rome, Italy.

No. 27--Labour-Saving Methods on Board Mediterranean Trawlers, 32 pp., illus., November 1965.

No. 28--Preliminary Report on Fish Distribution and Marketing in Sicily, 28 pp., illus., November 1965.

No. 29--Sanitary Regulations for Molluscs, 19 pp., December 1965.

No. 30--The Raising of Brown Trout and Rainbow Trout in Water at High Temperatures, 54 pp., illus., December 1965.

MEXICO:

Educacion Pesquera en Noruega (Fishery Education in Norway), Trabajos de Divulgacion, vol. X, no. 92, 15 pp., processed in Spanish, Oct. 1964. Instituto Nacional de Investigaciones Biologico-Pesqueras, Direccion General de Pesca e Industrias Conexas, Secretaria de Industria y Comercio, Mexico D.F., Mexico.

MICRONESIA:

Fishes of the Marshall and Marianas Islands by Leonard P. Schultz, Earl S. Herald, Ernest A. Lachner, Arthur D. Welander, and Loren P. Woods, U. S. National Museum Bulletin 202, vol. 1, 717 pp., illus., printed 1953, \$2.75. Smithsonian Institution, Washington, D. C. (Sold by Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.)

OCEANOGRAPHY:

Marine Sciences Instrumentation, by William C. Knopf and Herbert A. Cook, vol. 3, 295 pp., illus., printed, \$12.50. Plenum Press Proceedings of the Third National Marine Sciences Symposium (Miami, Fla. 1965); papers range from evaluation of the jet nozzle and aspects of expandable instrumentation to discussion of sensors for the observation of wave height and wind direction.

"Oceanography: PSAC (President's Science Advisory Committee) panel calls for setting

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new agency," article, Science, vol. 153, 13734, July 22, 1966, pp. 391-393, printed single copy 35 cents. American Association for the Advancement of Science, 16 Massachusetts Ave. NW., Washington, D. C. 20005.

OYSTERS:

Temperature and Intensity of Setting of the Oyster, (PSSOSTREA VIRGINICA, in Long Island Sound, by Victor L. Loosanoff, 17 pp., illus., printed. (Reprinted from Biological Bulletin, vol. 130, no. 2, April 1966, pp. 211-227.) The Marine Biological Laboratory, Woods Hole, Mass.

POLAND:

Technika i Gospodarka Morska (Marine Technology and Economics), vol. 16, no. 4, 120-162 pp., illus., with Bulletin (Biułyn Techniczny), no. 4(20), pp. 79-84, processed in Polish with Polish, Russian, and English contents, April 1966. P. P. Wydawnictwo Morskie, Al Waszyngtona 34, Gdynia, Poland. Contains, among others, articles on: "U.S. deep-sea fisheries in North-Atlantic waters," "Repair workshops in fishing enterprises," by K. Jaworski; "Operational merits of vessels of B-512 (Kolejarz) type," by J. Milobedzki; "Safety of life at sea conference," by J. Kon.

SALMON:

Effects of Log Driving on the Salmon and about Populations in the Stellako River, by Technical Staffs of the Canada Department of Fisheries and the International Pacific Salmon Fisheries Commission in Collaboration with the Fish and Wildlife Branch, U.S. Dept. of Recreation and Conservation, International Pacific Salmon Fisheries Commission Progress Report No. 14, 100 pp., illus., processed, 1966. International Pacific Salmon Fisheries Commission, P. O. Box 1120, New Westminster, B.C., Canada.

SEA WATER:

"Algae in sea water," by Lela M. Jeffery, article, Journal of the American Oil Chemists' Society, vol. 43, Apr. 1966, pp. 211-214, printed. The American Oil Chemists' Society, 33 East Wacker Drive, Chicago, Ill. 60601.

SPAIN:

"La exportacion Gallega de conservas en 1965" (Galicia's exports of canned fishery products in 1965), by Mareiro, pp. 123-124; "Las industrias de la pesca en Galicia durante el ano 1965" (The fishing industry in Galicia during 1965), pp. 129-130; articles, Industria Conservera, vol. XXXII, no. 323, May 1966, printed in Spanish, single copy 25 ptas. (about US\$0.40). Union de Fabricantes de Conservas de Galicia, Marques de Valladares, 41, Vigo, Spain.

SWEDEN:

"Förändringar hos fiskmuskelproteiner vid nedfrysningen och deras inhibering med hjälp av fostfater" (Changes in fish proteins in freezing and their inhibition with phosphates), by T. Kuusi, O. E. Nikkila, and R. Kytokangas, article, Kulde, vol. 19, no. 4, August 1965, pp. 128-130, illus., printed in Swedish.

TUNA:

"Studies on the retention of colour of frozen tuna. II. Effect of storage temperature on preventing discoloration of tuna meat during freezing storage"; III. "The discoloration of tuna meat during the storage at temperature near the freezing point," by M. Bito, article, Bulletin of the Japanese Society of Scientific Fisheries, vol. 31, no. 7, July 1965, pp. 534-539 and pp. 540-545, illus., printed in Japanese. Japanese Society of Scientific Fisheries, Shiba-Kaigandori 6, Minato-ku, Tokyo, Japan.

TURKEY:

Balik ve Balıkçılık, vol. XIV, no. 5, May 1966, 31 pp., illus. printed in Turkish. Et ve Balık Kurumu G.M., Balıkçılık, Müdürlüğü, Besiktas, Istanbul, Turkey. Includes articles on: "Deniz yosunlarından kırmızı algler (Kırmızı su Yosunları) (Kisim V)" (The red algae--Part V), by Hikmet Akgunes, pp. 9-13; "Soğuk ve balıkçılık I. Dünya denizlerinde hızlı dondurma tatbikatı (Kisim II)" (Cold storage and fishing, application of quick freezing on board (Part II), by Mak. Y. Müh. Erol Ertas, EBK Tesisat Müdürlüğü.

U.S.S.R.:

"La piscicultura en Rusia" (Fish culture in Russia), article, Industrias Pesqueras, vol. 39, no. 919, August 1965, illus., printed in

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Spanish, single copy 50 ptas. (about US\$0.85). Industrias Pesqueras, Apartado 35, Policarpo Sanz, 21-2, Vigo, Spain.

UNITED KINGDOM:

The Cod and Cod Fishery at Faroe, by B. W. Jones, article, Fishery Investigations, series II, vol. XXIV, no. 5, 36 pp., illus, printed, single copy 11s. 5d. (US\$2.20), Ministry of Agriculture Fisheries and Food, London, England. (For sale by British Information Services, 845 3rd Avenue, New York, N. Y. 10022.)

"Spotlight on Torry," article, Modern Refrigeration, vol. 68, no. 808, July 1965, pp. 659-660, illus., printed. Refrigeration Press Ltd., Maclaren House, 131 Great Suffolk Street, London, S.E.1, England. A description of the work of the Torry Research Station.

VESSELS:

"Steel crab boat features outstanding seakindliness," article, Fish Boat, vol. 11, Mar. 1966, pp. 26-27, printed. H. L. Peace Publications, 624 Gravier St., New Orleans, La. 70150.

WHALES:

Catalog of Living Whales, by Philip Hershkovitz, Bulletin 246, 267 pp., printed, 1966, \$1.00. Smithsonian Institution, U. S. Na-

tional Museum, Washington, D. C. 20560. (Sold by Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.)

YUGOSLAVIA:

Morsko Ribarstvo, vol. 17, no. 10, September-October 1965, printed in Serbo-croatian; Morsko Ribarstvo, V. Bogota 3, P.O. Box 185, Rijeka, Yugoslavia. Contains these articles: "Simpozij: Riblje meso u našoj prehrani" (Symposium: The role of fish in our nutrition), pp. 162-164; "Bioekologija tunja: migracije tunja" (Bio-ecology of tunas: tuna migrations), by D. Morovic, pp. 165-171; "Organoleptička svojstva kao faktor ocjene kvalitete i higijenske ispravnosti tune" (Organoleptic characteristics as a factor in the evaluation of the quality and hygienics of tuna products), by R. Celebrini, pp. 172-173; "Ubrzani porast potrošnje ribe u Jugoslaviji--kategorički imperativ ekonomskog razvoja" (Rapid increase of fishery consumption in Yugoslavia is imperative for economic development), by B. Jurić, pp. 174-176; "Oslić, Merlucius merlucius L." (European hake Merlucius merluçius L.), by J. Basiolo, pp. 182-184; "Naši ribarski brodovi su brodovi Jugoslavenske trgovačke mornarice posebne namjene" (Our fishing vessels are vessels of the Yugoslav Merchant Marine used for special purposes), by L. Kos, pp. 190-191.



Created in 1849, the Department of the Interior--a department of conservation--is concerned with the management, conservation, and development of the Nation's water, fish, wildlife, mineral, forest, and park and recreational resources. It also has major responsibilities for Indian and Territorial affairs.

As the Nation's principal conservation agency, the Department works to assure that nonrenewable resources are developed and used wisely, that park and recreational resources are conserved for the future, and that renewable resources make their full contribution to the progress, prosperity, and security of the United States--now and in the future.

