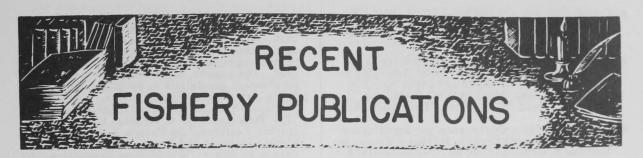
Number



FISH AND WILDLIFE SERVICE PUBLICATIONS

THESE PROCESSED PUBLICATIONS ARE AVAILABLE FREE FROM THE DIVISION OF INFORMATION, U. S. FISH AND WILDLIFE SERV-ICE, WASHINGTON 25, D. C. TYPES OF PUBLICATIONS ARE DESIG-NATED AS FOLLOWS:

- CFS CURRENT FISHERY STATISTICS OF THE UNITED STATES AND ALASKA. - FISHERY LEAFLETS - BRANCH OF STATIS FL
- BRANCH OF STATISTICS LISTS OF DEALERS IN AND PRO-DUCERS OF FISHERY PRODUCTS AND BYPRODUCTS. WILDLIFE LEAFLETS. SL
- SSR.- FISH. SPECIAL SCIENTIFIC REPORTS--FISHERIES (LIMITED DISTRIBUTION).
- SSR. WILDLIFE SPECIAL SCIENTIFIC REPORTS -- WILDLIFE (LIMITED DISTRIBUTION).
- SEP. SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.

Title

- CFS-2240 Fish Meal and Oil, 1959 Annual Summary, 4 pp. CFS-2286 - Fish Meal and Oil, March 1960, 2 pp. CFS-2290 - Frozen Fish Report, April 1960, 8 pp. CFS-2299 - Shrimp Landings, January 1960, 6 pp. CFS-2301 - North Carolina Landings, March 1960,
- 3 pp. CFS-2303 - South Carolina Landings, March 1960, 2 pp.
- CFS-2304 Alabama Landings, January 1960, 2 pp.
- CFS-2305 Mississippi Landings, February 1960,
- 2 pp. CFS-2306 - Fish Sticks and Portions, January-March 1960, 3 pp.
- CFS-2308 Texas Landings, March 1960, 3 pp.
- CFS-2309 Rhode Island Landings, March 1960, 3 pp.
- CFS-2310 California Landings, January 1960, 4 pp.
- CFS-2312 Maine Landings, March 1960, 3 pp.
- CFS-2314 Oregon Landings, 1959 Annual Summary, 2 pp.
- CFS-2316 Alabama Landings, February 1960, 2 pp.
- CFS-2317 Imports and Exports of Fishery Products, 1955-1959 Annual Summaries, 10 pp.
- CFS-2318 Virginia Landings, April 1960, 3 pp.
- CFS-2320 Georgia Landings, April 1960, 2 pp.
- CFS-2321 North Carolina Landings, April 1960, 4 pp.
- CFS-2322 Alabama Landings, March 1960, 2 pp. CFS-2323 Fish Meal and Oil, April 1960, 2 pp.
- CFS-2324 South Carolina Landings, April 1960,
- 2 pp.

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- CFS-2325 Ohio Landings, March 1960, 2 pp.
- CFS-2326 New Jersey Landings, March 1960, 3 3 pp.
- CFS-2331 New Jersey Landings, April 1960, 3 pp.

FL-178 (Revised October 1959) - Partial List of Fishing Boat Builders, 6 pp.

- FL-4781 Canned Fish Consumer Purchases by Family Characteristics (October 1958-September 1959), 62 pp., illus., December 1959. The final report based on a broad marketing research program directed toward improving and expanding the canned tuna, salmon, and sardine markets. It is projected from a nationwide consumer panel of approximately 6,000 families representing 22,000 people. The data represent estimated purchases of canned fish by household consumers only.
- The present report summarizes data on household consumer purchases of canned tuna, salmon, and sardines for the 12 months period October 1958-September 1959. It is developed from data appearing in the series of monthly reports entitled "Canned Fish Consumer Purchases". The data are based on reports covering 52 full weeks, whereas monthly data are derived from reports covering 4-week periods.
- The purpose of this report is to provide additional information concerning buying practices of households as related to regions, city-size locations, and other socio-economic factors.
- FL-481 (Revision of 1-3, April 1941) Some Desirable Aquatic Plants for Use In Fish Ponds and Aquaria, 1 p., February 1959.
- FL-488 Age Determination of Fishes, by Fred E. Lux, 10 pp., illus.
- FL-494 Fish Mycobacteriosis (Tuberculosis), by Thomas J. Parisot, 3 pp., March 1959.
- FL-497 A "Virus" Disease of Chinook Salmon, by A. J. Ross and R. R. Rucker, 3 pp., March 1960.
- WL-414 Selected List of Fish and Wildlife Materials for Conservation Education, 2 pp., January 1960.
- SL-10 Wholesale Dealers in Fishery Products, Maryland, 1959 (Revised).

SL-101 - Firms Canning Salmon, 1959 (Revised).

SSR-Fish. No. 303 - Physical Oceanographic, Biological, and Chemical Data--South Atlantic Coast of the United States, Gill Cruise 8, by William W. Anderson and Jack W. Gehringer, 231 pp., illus., July 1959.

- by George J. Ridgeway and George W. Klontz, 12 pp., January 1960.
- SSR-Fish. No. 332 Mycobacterial Infections in Adult Salmon and Steelhead Trout Returning to the Columbia River Basin and Other Areas in 1957, by A. John Ross, Brian J. Earp, and James W. Wood, 36 pp., illus., December 1959.
- SSR-Fish. No. 333 Occurrence and Significance. of Trimethylamine Oxide in Marine Animals, by Herman S. Groninger, 24 pp., December 1959. Discusses the finding of trimethylamine oxide in invertebrates as well as molluscs, crustaceans, iish, and other animals. The zooplankton are the first animals in the food chain that contain trimethylamine oxide, a substance which may be synthesized in the cells and may be a product of protein metabolism. Its occurence in marine animals is interesting because of its indirect effect on the quality of seafood.
- SSR-Wildlife No. 48 Sea Otter Population and Transplant Studies in Alaska, 1959, by Karl W. Kenyon and David L. Spencer, 32 pp., illus., March 1960. Part I of this report presents details of an aerial survey of the western Aleutian area, 1959, and estimates of the sea otter population of Alaska. Part II discusses the sea otter transplant from Amchitka Island to the Pribilofs in 1959. This was the first successful sea otter transplant ever accomplished.
- Sep. No. 593 Proximate Composition of Southern Oysters--Factors Affecting Variability.
- Sep. No. 594 Processing and Quality Studies Held in Refrigerated Sea Water and Ice: Part 4 - Interchange of the Components in the Shrimp-Refrigerated-Sea-Water System.
- Sep. No. 595 Research in Service Laboratories (July 1960): Contains these articles -- "Technical Note No. 56 - Chemical Composition and Laboratory Fillet Yield of 13 Species of Middle and South Atlantic Fish," and "Seasonal Variation of Physical Characteristics and Chemical Composition of Fish from Middle Atlantic States."
- A Program of Research and Development for the Pacific Coast Tuna Industry, Circular 87, 9 pp., printed. Outlines a program of research and development aid for the Pacific Coast tuna industry. While the legislation authorizing and directing the Bureau to assist the fisheries is broad, the program proposed to aid the tuna fishery stresses those activities that give the most promise of being useful to the industry. The Bureau proposes to assist the tuna fishing industry in three major fields: (1) by helping the domestic fleets find and catch fish more quickly; (2) by helping the fishermen deliver higher quality fish to the canneries and, in turn, help the processors improve their products; and (3) by keeping the domestic industry well informed of activities and developments respecting tuna, both domestic and world-wide, as they may affect production and marketing in the United States, so that the industry can plan its operations intelligently under changing conditions.

SSR-Fish, No. 324 - Blood Types in Pacific Salmon, | Tuna Industry Conference Papers, May 1959, Circular 65, 113 pp., illus., processed, November 1959. Selected papers of the Government-Industry Tuna Conference at Scripps Institution of Oceanography, La Jolla, Calif., May 19-21, 1959. The papers, written by both industry and government specialists in various fishery fields, are grouped by categories. Part 1--The World Tuna Resource and Fishery, includes The World Tuna Resource and Fishery, includes "The Tuna Resource in Relation to Oceano-graphic Features," by Vernon E. Brock; "Tuna Fishing Methods and Their Application," by Vernon E. Brock; "World Tuna Production," by Donald R. Johnson; "Status of the Fishery for Tunas of Tropical Waters of the Eastern Pa-cific," by Milner B. Schaefer; "Status of the Eleberry for Tunas of the Temperate Waters of Fishery for Tunas of the Temperate Waters of the Eastern Pacific (Abstract)," by Harold B. Clemens; and "Some Observations on Present and Future Japanese Tuna Fisheries," by Wilvan G. Van Campen. Part 2--The Domestic Tuna-Fishing Industry, contains: "Harvesting the Tuna Resource," by Gerald V. Howard; "Handling and Transporting to the Cannery, Part A," by Clarence J. Carlson; "Handling and Transporting to the Cannery, Part B," by Sven Lassen; "Fisheries Loan and Mortgage Pro-grams," by Lester T. Bradbury; and "Publications of the Bureau of Commercial Fisheries of Interest to the Tuna Industry," by Donald R. Interest to the Tuna Industry," by Donald R. Johnson. Part 3--Processing and Marketing Tuna, consists of: "Sources of Tuna Consumed in the United States," by Victor J. Samson and Anthony D. Sokolich; "The Processing of Tuna," by Maurice E. Stansby; "Marketing Tuna in the Unites States," by Donald Y. Aska; "Marketing Tuna in Foreign Countries," by Arthur M. Sand-berg; and "Trade Agreements and How They are Made "by Arthur M. Sandbarg Made," by Arthur M. Sandberg.

THE FOLLOWING PUBLICATIONS ARE AVAILABLE ONLY FROM THE SPECIFIC OFFICE MENTIONED:

- (Baltimore) Monthly Summary Fishery Products, January 1960, 10 pp. (Market News Service, U. S. Fish and Wildlife Service, 400 E. Lombard St., Baltimore 2, Md.) Receipts at Baltimore by species and by states and provinces for fresh- and salt-water fish and shellfish; total receipts by species and comparisons with previous years; and wholesale prices on the Baltimore market; for the month indicated.
- California Fishery Products Monthly Summary, April 1960, 13 pp. (Market News Service, U. S. Fish and Wildlife Service, Post Office Bldg., San Pedro, Calif.) California cannery receipts of tuna and tunalike mackerel, and anchovies; pack of canned tuna, mackerel, anchovies; market fish receipts at San Pedro, Santa Monica, and Eureka areas; California imports; canned fish and frozen shrimp prices; ex-vessel prices for cannery fish; American Tuna Boat Association auction sales; for the month indicated.
- (Chicago) Monthly Summary of Chicago's Fresh and Frozen Fishery Products Receipts and Wholesale Market Prices, April 1960, 13 pp. (Market News Service, U. S. Fish and Wildlife Service, 565 W. Washington St., Chicago 6, Ill.) Receipts at Chicago by species and by states

and provinces for fresh- and salt-water fish and shellfish; and wholesale prices for fresh and frozen fishery products; for the month indicated.

- Gulf Monthly Landings, Production, and Shipments of Fishery Products, April 1960, 8 pp. (Market News Service, U. S. Fish and Wildlife Service, 609-611 Federal Bldg., New Orleans 12, La.) Gulf States shrimp, oyster, finfish, and blue crab landings; crab meat production; LCL express shipments from New Orleans; wholesale prices of fish and shellfish on the New Orleans French Market; sponge sales; and fishery imports at Port Isabel and Brownsville, Tex., from Mexico; for the month indicated.
- Monthly Summary of Fishery Products Production in Selected Areas of Virginia, North Carolina, and Maryland, May 1960, 4 pp. (Market News Service, U. S. Fish and Wildlife Service, 18 So. King St., Hampton, Va.) Fishery landings and production for the Virginia areas of Hampton Roads, Lower Northern Neck, and Eastern Shore; the Maryland areas of Crisfield, Cambridge, and Ocean City; and the North Carolina areas of Atlantic, Beaufort, and Morehead City; together with cumulative and comparative data; for the month indicated.
- New York City's Wholesale Fishery Trade--Monthly Summary for April 1960, 17 pp. (Market News Service, 155 John St., New York 38, N. Y.) Includes summaries and analyses of receipts and prices on wholesale Fulton Fish Market, imports entered at New York City, primary wholesaler prices for frozen products, and marketing trends; for the month indicated.
- (Seattle) Washington, Oregon, and Alaska Receipts and Landings of Fishery Products for Selected Areas and Fisheries, Monthly Summary, May 1960, 9 pp. (Market News Service, U. S. Fish and Wildlife Service, Pier 42 South, Seattle 4, Wash.) Includes landings and local receipts, with ex-vessel and wholesale prices in some instances, as reported by Seattle and Astoria, (Ore.) wholesale dealers; also Northwest Pacific halibut landings; and Washington shrimp landings; for the month indicated.
- Information and Explanatory Statement for Daily New England Market News Service "Fishery Products Reports" Issued at Boston, 10 pp., June 1960. (Market News Service, U. S. Fish and Wildlife Service, 10 Commonwealth Pier, Boston 10, Mass.) Includes a brief description of the fisheries in the various New England ports, and the trading practices. Meanings and definitions of the various abbreviations and terms used in Market News reports are explained.
- Honolulu Biological Laboratory--Past (1949-1958)-Present (1959)--Future (1960), by V. E. Brock and J. C. Marr, Fish and Wildlife Circular 83, 65 pp., illus., processed. Honolulu Biological Laboratory, U. S. Bureau of Commercial Fisheries, Honolulu, Hawaii, April 1960. Covers results of research during 1949-1958 on ocea-

nography, fishery resources, bait supplements, technology, gear development, and biology and behavior of tunas. The 1959 section covers the exploration program; and information on areas of abundance and relation of stocks, efficiency of capture, and bait supplements. The plans for future investigations are discussed briefly. Also includes a bibliography of the Laboratory's publications and translations for 1949-1958.

THE FOLLOWING MARKET NEWS LEAFLET IS AVAILABLE FROM THE BRANCH OF MARKET NEWS, BUREAU OF COMMERCIAL FISHERIES, U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C.

THE FOLLOWING SERVICE PUBLICATIONS ARE FOR SALE AND <u>ARE</u> <u>AVAILABLE ONLY</u> FROM THE <u>SUPERINTENDENT</u> OF <u>DOCUMENTS</u>, WASH-INGTON 25, D. C.

- Annotated Bibliography on Biology of American <u>Menhaden</u>, by John W. Reintjes, James Y. Christmas, Jr., and Richard A. Collins, Fishery Bulletin 170 (from Fishery Bulletin of the Fish and <u>Wildlife Service</u>, vol. 60), pp. 297-322, printed, 25 cents, 1960.
- Determining Age of Atlantic Menhaden From Their Scales, by Fred C. June and Charles M. Roithmayr, Fishery Bulletin 171 (from Fishery Bulletin of the Fish and Wildlife Service, vol. 60), pp. 323-342, illus., printed, 20 cents, 1960.
- Estimates of Larval Tuna Abundance in the Central Pacific, by Donald W. Strasburg, Fishery Bulletin 167 (from Fishery Bulletin of the Fish and Wildlife Service, vol. 60), pp. 231-255, illus., printed, 25 cents, 1960.
- Oceanography of the East Central Equatorial Pacific as Observed During Expedition Eastropic, by Thomas S. Austin, Fishery Bulletin 168 (from Fishery Bulletin of the Fish and Wildlife Service, vol. 60), pp. 257-282, illus., printed, 35 cents, 1960.
- Statistics of the Alaska Herring Fishery, 1878-1956, by Bernard E. Skud, Henry M. Sakuda, and Gerald M. Reid, Statistical Digest No. 48, 24 pp., illus., printed, 25 cents, 1960. Statistics of the herring fishery in Alaska are summarized for the years 1878 to 1956 insofar as detailed data were available. Catches are recorded by statistical areas in Southeastern Alaska, Prince William Sound, and Kodiak and represent a revision of previously-published figures calculated by converting meal production to pounds of fish. Products of the fishery and the statistics of operation are summarized for all Alaska.
- Systematics and Biology of the Gizzard Shad (DOR-OSOMA CEPEDIANUM) and Related Fishes, by by Robert Rush Miller, Fishery Bulletin 173 (from Fishery Bulletin of the Fish and Wildlife Service, vol. 60), pp. 371-392, illus., printed, 25 cents, 1960.

MISCELLANEOUS

PUBLICATIONS

THESE PUBLICATIONS ARE NOT AVAILABLE FROM THE FISH AND WILDLIFE SERVICE, BUT USUALLY MAY BE OBTAINED FROM THE OR-GANIZATION ISSUING THEM. CORRESPONDENCE REGARDING PUBLICA-TIONS THAT FOLLOW SHOULD BE ADDRESSED TO THE RESPECTIVE OR-GANIZATION OR PUBLISHER MENTIONED. DATA ON PRICES, IF READ-ILY AVAILABLE, ARE SHOWN.

ADEN:

A Report on the Fisheries of Aden Colony, The Western Aden Protectorate, and The Eastern Aden Protectorate, 1947-1958, 28 pp., illus., printed, 1s 5d (about 20 U.S.cents). The Fisheries Department, Aden, Aden Protectorate. The first report of the Fisheries Department of Aden, summarizing the fishery activities under a program launched in 1947 to assess the fishery possibilities in not only the Aden Protectorate but the Gulf of Aden area generally. It also includes accounts of activities carried out by the Department since its establishment in 1949 and up to the end of December 1958. Contains, among others, sections on the history of the fisheries, mechanization of the fishing fleet, and the use of improved fishing gear. Also contains information on vitamin A fish oils, nonvitamin A fish oils, the canning of fishery products, a potential offshore rock fishery along the Western Aden Protectorate coast, and colloquial and scientific nomenclature of the more common fishes found in the Gulf of Aden.

ANCHOVIES:

Estudio Biologico Pesquero de la Anchoita (ENGRAULIS ANCHOITA) de Mar del Plata--Analisis de los caracteres merísticos (Fishery Biological Study of the Anchovy (Engraulis anchoita) of Mar del Plata--Analysis of Their Meristic Characters), by Maria Luisa Fuster de Plaza and Enrique E. Boschi, no. 7, 55 pp., illus., printed in Spanish with English summary. Secretaria de Agricultura y Ganaderia, Departamento de Investigaciones Pesqueras, Buenos Aires, Argentina, 1958.

ANTIBIOTICS:

The Penetration of Chlortetracycline into Tissues of Sockeye Salmon on CTC-Dip Treatment and its Destruction on Heating," by Tetuo Tomiyama, Yasuo Yone and Kunio Kobayashi, article, Bulletin of the Japanese Society of Scientific Fisheries, vol. 24, no. 12, 1959, pp. 1012-1018, printed in Japanese with English abstracts. Japanese Society of Scientific Fisheries, c/o Tokyo University of Fisheries, Shiba-kaigandori 6-chome, Tokyo, Japan.

"Use of Aureomycin-Ice for the Preservation of Squid," by Kokichi Oshima, article, <u>Hokusuishi</u> <u>Geppo</u>, vol. 16, 1959, pp. 106-117, printed in Japanese. Hokusuishi Geppo, Hokkaido Fisheries Scientific Institute, Yoichi, Hokkaido, Japan.

ARGENTINA:

Recursos Icticos del Sector Antartico Argentino--Aspectos Sobre su Aprovechamiento en Giorgias del Sur (Fishery Resources of the Argentine Antarctic Region--Aspects of Their Development in South Georgia), by Italo Santiago Carrara, 23 pp., illus., processed in Spanish. Universisad Nacional de la Plata, La Plata, Argentina, 1955.

BARENTS SEA:

Results of the Marking of Demersal Fishes of the Barents Sea During the Period 1946-1955, by K.G. Konstantinov, 13 pp., processed. (Translated from Pinro, vol. X, 1957, pp. 78-87). Mininstry of Agriculture, Fisheries and Food, Fisheries Laboratory, Lowestoft, England, 1959.

BIOCHEMISTRY:

Distribution of a Lipase Enzyme in Lingcod Fillets and the Effect of Low Temperature Storage on its Activity," by J.D. Wood, article, Journal of the Fisheries Research Board of Canada, vol. 16, October 1959, pp. 755-757, printed. Journal of the Fisheries Research Board of Canada, Queen's Printer & Controller of Stationery, Ottawa, Canada.

"Electrophoretic Analysis of Fluids Obtained from Mechanically Disrupted and Frozen Fish Muscle," by Harry L. Seagran, article, Food Research, vol. 24, November-December 1959, pp. 681-687, printed. Food Research, Department of Food Technology, University of California, Davis, Calif.

BIOLOGY:

Fresh-Water Biology, second edition, 1,264 pp., illus., printed. John Wiley & Sons, 440 Fourth Ave., New York 16, N.Y., 1959.

BROOK TROUT:

The Sea-Run or "Salter" Brook Trout (SALVELI-NUS FONTINALIS) Fishery of the Coastal Streams of Cape Cod, Massachusetts, by James W. Mullan, Bulletin No. 17, 25 pp., illus., printed. Massachusetts Division of Fisheries and Game, 73 Tremont St., Boston, Mass., May 1958.

CALIFORNIA:

The Marine Fish Catch of California (For the Years 1957 and 1958), Fish Bulletin No. 108, 74 pp., illus., printed. Department of Fish and Game, Sacramento, Calif., 1960. Tables in this bulletin summarize in various ways the final 1957 and 1958 landings of fish, mollusks, and crustaceans in California by commercial fishing vessels or shipped into California for processing. Statistical data cover annual landings and shipments, 1916-1958; landings and shipments of leading species by pounds and value; licensed commercial fishermen; number of fishing boats by length; origin of shipments, 1957 and 1958; origin of commercial fish landings, 1957 and 1958; monthly landings and shipments, 1957 and 1958 -- statewide and by areas; value and poundage, annual landings by areas, 1957 and 1958; value of landings by ports and areas, 1957 and 1958; sport catch, 1949-1958; and live-bait catch, 1954-1958. Also contains list of common and scientific names of fish, crustacean, and mollusks.

CANADA:

The Boat Building Industry, 1958, by Dominion Bureau of Statistics, March 1960, 11 pp., illus., printed, 50 Canadian cents. The Queen's Printer and Controller of Stationery, Ottawa, Canada.

- Canada (Saskatchewan): An Act Respecting Co-Operative Fisheries Limited, Food and Agricultural Legislation, vol. VIII, no. 3, XVIII. 2/59.1, 15 pp., printed, \$1. Food and Agriculture Organization of the United Nations, Rome, Italy, 1959. (For sale by Columbia University Press, International Documents Service, 2960 Broadway, New York 27, N.Y.)
- Canadian Shellfish for Everyday Meals, Consumer Bulletin No. 6, 16 pp., printed. Queen's Printer, Ottawa, Canada.
- Fisheries Statistics of British Columbia, 1959 (preliminary), 14 pp., illus., processed. Can Canadian Department of Fisheries, Vancouver, Canada, April 1960.
- Journal of the Fisheries Research Board of Canada, vol. 16, no. 5, October 1959, 197 pp., illus., printed. Queen's Printer and Controller of Stationery, Ottawa, Canada. Includes, among oth-ers, articles on "Proximate Analysis of Pacific Herring (Clupea pallasii) and an Evaluation of Tester's 'Fat Factor'," by J.R. McBride, R.A. MacLeod, and D.R. Idler; "Homing of Rainbow MacLeod, and D.R. Idler; Homing of Rainbow Trout to Inlet and Outlet Spawning Streams at Loon Lake, British Columbia," by C.C. Lindsey, T.G. Northcote, and G.F. Hartman; "A Concept of Growth in Fishes," by Robert R. Parker and Peter A. Larkin; "The Effect of Sodium Chloride on Proteolysis and on the Fate of Amino Acids Present in the Muscle of Codfish (Gadus callarias)," by E. Bilinski and H. Fougere; and "Distribution of a Lipase Enzyme in Lingcod Fillets and the Effect of Low Temperature Storage on its Activity," by J.D. Wood.
- Journal of the Fisheries Research Board of Canada, vol. 17, no. 2, March 1960, 167 pp., illus., printed. Queen's Printer and Controller of Stationery, Ottawa, Canada. Contains, among others, these articles: "International Passamaquoddy Fisheries Board Fisheries Investigations 1956-59. Introductory Account," by J.L. Hart and D.L. McKernan; "Herring Fishery in Southand D.L. McKernan; "Herring Fishery in So ern New Brunswick," by R.A. McKenzie and S.N. Tibbo; "Predicted Effects of Proposed Tidal Power Structures on Groundfish Catches in Charlotte County, N.B.," by W. R. Martin; "Stud-ies of Haddock in the Passamaquoddy Bay Region," by F.D. McCracken; "Critical Size and Maximum Yield for Chinook Salmon (Oncorhyn-chus tshawytscha)," by Robert R. Parker; "Seasonal Distribution of Some Epipelagic Fishes in the Gulf of Alaska Region," by Ferris Neave and M.G. Hanavan; "The Food of the Redfish Sebastes marinus (L.) in the Newfoundland A-rea," by D.G. Lambert; and "Description of Young Ammocoetes Belonging to Two Species of Lampreys: <u>Petromyzon marinus</u> and <u>Entos-</u> <u>phenus lamottenii</u>," by Vadim D. Vladykov.
- "Passamaquoddy Fisheries Investigations," by S.N. Tibbo and L.R. Day, article, <u>Trade News</u>, vol. 12, no. 8, February 1960, pp. <u>3-8</u>, illus., processed. Information and Educational Service, Department of Fisheries, Ottawa, Canada. Discusses the economic feasibility of the Passamaquoddy Tidal Power Project. Since 1956,

Canadian and American scientists have been investigating the power potential in the tidal waters of Passamaquoddy Bay, on the U.S.-Canadi an border adjacent to New Brunswick's Bay of Fundy. Oceanographic and biological studies were conducted to determine possible effects of the power project on the prosperous herring and groundfish fisheries. Findings showed that the general abundance of herring in the Bay of Fundy and the Gulf of Maine is unlikely to be affected.

Temperatures in Frozen Fish Shipped by Road in Refrigerated Trailers, by C.P. Lentz and E.A. Rooke, 3 pp., Illus., printed, limited distribution. (Reprinted from Canadian Food Industries, February 1960.) Canadian Scientific Liaison Office, 1907 K St., N.W., Rm. 403, Washington 6, D.C.

CHILE:

Informaciones Estadisticas Sobre Pesca-Produccion Por Especies Comparadas Entre Los Anos 1944 a 1951 en Toneladas (Statistical Information on Fisheries -- Comparisons of Production by Species Between 1944 and 1951 in Tons), 57 pp., illus., printed in Spanish. Departamento de Fomento de Pesca Y Caza, Valparaiso, Chile, 1953.

COALFISH:

Behavior of the Young of Coalfish with Respect to a Moving Net Trap (Aquarium Experiments)," by D.V. Radakov and D.S. Nikolaev, article, Zoologicheskii Zhurnal, vol. 38, no. 7, 1959, pp. 1103-1108, printed in Russian with English summary. Akademiia Nauk SSSR, Redaksiia Zoologicheskogo Zhurnala, Podsosenskii per. d. 21, Moscow B-64, U.S.S.R.

COD:

"Caracteristicas de Bacalhan com Falta de Sal" (Characteristics of Cod Low in Salt), by J. Frei-xo, article, Conservas de Peixe, vol. 13, no. 152, November 1958, pp. 18-19, printed in Portuguese. Conservas de Peixe, Regueirao dos Anjos, 68, Lisbon, Portugal.

COMPOSITION:

"Proximate Analysis of Pacific Herring (Clupea pallasii) and an Evaluation of Tester's 'Fat Factor'," by J.R. McBride, R.A. MacLeod, and D.R. Idler, article, Journal of the Fisheries Research Board of Canada, vol. 16, October 1959, pp. 679-684, printed. Journal of the Fish-eries Research Board of Canada, Queen's Printer & Controller of Stationery, Ottawa, Canada.

CRAB MEAT:

Studies on the 'Browning' of Canned Crab Meat. IV--Soaking of the Raw Material in Water and Heating," by Yoshio Nagasawa, article, Bulletin of the Japanese Society of Scientific Fisheries, vol. 24, no. 12, 1959, pp. 971-975, printed in English. Japanese Society of Scientific Fisheries, c/o Tokyo University of Fisheries, Shibakaigandori 6-chome Tokyo, Japan.

CRABS:

The Migrations of Adult Female Blue Crabs, CALLINECTES SAPIDUS Rathbun, in Chinco-

teague Bay and the Adjacent Waters, by D.G. Cargo, Contribution No. 121, 12 pp., illus., printed. (Reprinted from Sears Foundation: Journal of Marine Research, vol. 16, no. 3, October 15, 1958, pp. 180-191.) Department of Research and Education, Chesapeake Biological Laboratory, Solomons, Md.

CROAKERS:

Disappearance of Young Atlantic Croakers from the York River, Virginia, by William H. Massmann and Anthony L. Pacheco, 6 pp., illus., printed. (Reprinted from Transactions American Fisheries Society, vol. 89, no. 2, 1960, pp. 154-159.) Virginia Fisheries Laboratory, Gloucester Point, Va.

DELAWARE RIVER:

Information Bulletin--Delaware River Basin <u>Study</u>, 41 pp., illus., printed. U.S. Army Engineer District, Philadelphia, Pa., 1960. Presents a brief summary of Delaware River Basin water needs and a tentative plan of development. The water control plan is a guide to the development of the basin's water resources so that these water resources will meet the increasing requirements of the continually expanding Delaware basin community. The plan presented is tentatively under consideration and is not necessarily the final plan to be recommended to the Congress on completion of the survey. Benefits of the plan, including increased possibilities for fishing, are discussed briefly.

EAST AFRICA:

East African Fisheries Research Organization Annual Report, 1959, 48 pp., printed. East African Fisheries Research Organization, P.O. Box 343, Jinja, Uganda. Describes scientific work accomplished in the study of Lake Victoria fisheries, experimental fishing, growth of fish under controlled conditions, fish in ponds, identification of tilapia, fish parasites, food of fishes, control of snails, and related subjects. Also includes a bibliography of recent publications on East African fisheries and related subjects, and appendices of research papers on fisheries.

EELS:

Migration of the European River Eel (Anguilla anguilla (L.)) in Atlantic Waters," by V.D. Lebedev, article, <u>Nauchnye</u> Doklady Vyssei Shkoly; <u>Biologicheskie</u> Nauki, no. 3, 1959, pp. 43-53, printed in Russian. Gosudarstvennoe Izdatel'stvo "Vysshaia Shkola," Podsosenskii per. 20, Moscow B-62, U.S.S.R.

EXPORTS:

United States Exports of Domestic and Foreign Merchandise (Commodity by Country of Destination), Calendar Year 1959, Report No. FT 410, processed, Part I, 172 pp., \$1.25; Part II, 302 pp., \$2. U.S. Department of Commerce, Bureau of the Census, Washington, D.C., March 1960. (For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.) The statistics in Part I cover United States exports of domestic and foreign merchandise (including fishery products and byproducts) under group 00 through group 5, Part II covers merchandise under groups 6 through 9 (some items of interest to the fishery and allied industries are included). Data are shown by commodity by country of destination.

United States Exports of Domestic and Foreign Merchandise (Country of Destination by Subgroup), Calendar Year 1959, Report No. FT 420, 83 pp., processed, 50 cents. U. S. Department of Commerce, Bureau of the Census, Washington, D.C., March 1960. (For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.) The statistics in this report cover United States exports of domestic and foreign merchandise (including fishery products and byproducts) under approximately 100 subgroups by country of destination by subgroup.

FAUNA:

Corixid Insects as Part of the Offshore Fauna of the Sea, by GordonGunter and J. Y. Christmas, 2 pp., illus., printed. (Reprinted from Ecology, vol. 40, no. 4, October 1959, pp. 724-725.) Gulf Coast Research Laboratory, Ocean Springs, Miss.

FEDERAL TRADE COMMISSION:

Guides for Advertising Allowances and Other Merchandising Payments and Services; Compli-ance with Sections 2 (d) and 2 (e) of the Clayton Act, as Amended by the Robinson-Patman Act, 10 pp., printed. Federal Trade Commission, Washington 25, D.C., May 19, 1960. A pamphlet for businessmen on guides for advertising allowances and other merchandising payments and services. This pamphlet can be of value in complying with the laws against giving or receiving improper promotional allowances, including advertising or special services, for promoting products. It will make possible a better understanding of the obligations of sellers and their customers in joint promotional activities. These guides are designed to be both practical and understandable. They contain carefully considered suggestions, or general rules of thumb, which business will find very useful in preventing unintentional violations. They highlight the requirements of law and offer means for complying with it. Also included in the pamphlet is the full text of the Robinson-Patman Act, and what the law covers generally.

FISH MEAL:

The Carbonate Content of Some Fish and Shellfish Meals," by Claude E. Thurston and Patricia P. MacMaster, article, Journal of the Association of Official Agricultural Chemists, vol. 42, November 1959, pp. 699-702, printed. Association of Official Agricultural Chemists, Box 540, Benjamin Franklin Station, Washington 4, D.C.

"Spontaneous Heating of Fish Meal--II," by C.J. H. Van den Broek, article, Food Manufacture, vol. 34, October 1959, pp. 387-390, printed. Food Manufacture, Leonard Hill, Ltd., Stratford House, 9 Eden St., London NW1, England.

FISH OIL:

"Preparation of Quaternary Ammonium Salts from Fish Oil and Their Antibiotic Action," by Masamichi Toyomizy, Noriyuki Enomoto, and Yukio Tomiyasu, article, <u>Bulletin of the Japa-</u> nese Society of Scientific Fisheries, vol. 24, no. 9, 1959, pp. 743-748, printed in Japanese with English abstracts. Japanese Society of Scientific Fisheries, c/o Tokyo University of Fisheries, Shiba-kaigandori 6-chome, Tokyo, Japan.

FISH SOLUBLES:

Condensed Fish Solubles. A Review of Its Prep-aration and Properties," by Robert A. MacLeod, article, Journal of the Fisheries Research Board of Canada, vol. 16, no. 5, October 1959, pp. 685-694, printed. Queen's Printer and Controller of Stationery, Ottawa, Canada. Describes the method of preparing condensed solubles by concentrating stickwater after first treating it with acid or enzymes to remove or destroy unwanted proteins. The amino acid and vitamin content of condensed solubles is discussed with particular reference to factors such as freshness of the fish, degree of spoilage of the stickwater, and methods of processing the solubles which cause variations in the levels of these nutrients. The composition of the solubles is also determined by the species of fish used, the age and extent of maturation of the fish, and by the type of material (whether whole fish or scraps) from which it is prepared. The use of condensed fish solubles as a feed supplement is discussed. The need for using solubles of known history both in formulating rations and in nutrition studies is stressed.

FISHERY RESOURCES:

Can We Manage Our Coastal Fishery Resources?, by J.L.McHugh, 6 pp., printed. (Reprinted from Transactions of the American Fisheries Society, vol. 88, 1959, pp. 105-110.) Virginia Fisheries Laboratory, Gloucester, Va. In sum-mary, the author states that "A fresh approach to coastal fisheries problems is needed; one including more biological and educational work and investigation of economic, social, and political factors which are potent influences in the interaction of fisheries resources and man. The conventional approach, by methods designed to foster management for optimum sustained yield for each important species, holds little promise for management of migratory fish in inshore waters of the Atlantic Coast. More consideration should be given to management of the biomass of the entire resource. Some statistics of the Atlantic Coast fisheries are given and promising approaches for bettering management discussed.

FLOUNDERS:

- Flounders and Their Cousins Unique Fish, by C. M. Bearden, Education Release 177, 5 pp., illus., printed. (Reprinted from <u>South Carolina</u> <u>Wildlife, 1960.</u>) Bears Bluff Laboratories, Wadmalaw Island, S. C.
- FOOD AND AGRICULTURE ORGANIZATION: Catalogue of FAO Fisheries Publications, October 1959, compiled by Patricia M. Andrews,

FAO/59/10/7400, 17 pp., processed. Food and Agriculture Organization of the United Nations, Viale delle Terme di Caracalla, Rome, Italy.

- Current Bibliography for Aquatic Sciences and Fisheries, vol. 2, no. 10, December 1959, 232 pp., processed. Food and Agriculture Organization of the United Nations, Viale delle Terme di Caracalla, Rome, Italy.
- Indo-Pacific Fisheries Council Proceedings, 8th Session, Colombo, Ceylon, December 6-22, 1958, Section I, 193 pp., printed, US\$1. IPFC Secre-tariat, FAO Regional Office for Asia and the Far East, Bangkok, Thailand, 1958. (For sale by Publications Section, Food and Agriculture Organization of the United Nations, Rome, Italy). The full proceedings of this meeting consist of three sections of which the first, a report of the proceedings of the 8th Session, is contained in this issue. Section II, the technical papers presented at the meeting by delegations, and Section III, papers read at a symposium on fish behavior, are combined as a separate issue. The present report contains chapters on the Council procedure, resources, technology and economics, publications, technical assistance, recommendations, and a report on the status of the industry. Member governments of the Indo-Pacific Fisheries Council include Australia, Ceylon, France, India, Japan, Korea, Fed-eration of Malaya, Netherlands, Thailand, United Kingdom, the United States, and Vietnam.
- Mediterranean Trawling (Fourth Report -- Malta, August 1959), by J. Scharfe, GFCM Studies and Reviews No. 10, 23 pp., illus., processed. Gen-eral Fisheries Council for the Mediterranean Secretariat, Food and Agriculture Organization of the United Nations, Rome, Italy, March 1960. This report covers a rational study of Mediterranean-type trawls and considerations concerning utilization of engine, variable pitch propel-ler, and winch. These experiments were mainly devoted to collecting comparative perfor mance data for the conventional Italian-type bottom trawl, the modified sand-eel trawl, and a high opening sprat trawl, the latter two representing northern European designs made of machine-braided nylon webbing, cut to shape. Furthermore, an elliptical-type otter board of Russian design was tested again. Present results indicate that even with bottom fish only the northern European designs, particularly the sand-eel trawl, can compete with the Italian-type trawl under Mediterranean fishing conditions. Recommendations for future trawl studies are included.
- Progress Achieved by the Non-Self-Governing Territories in Pursuance of Chapter XI of the Charter-Fisheries in the Non-Self-Governing Territories, United Nations General Assembly, 14th Session, 21 pp., processed. Food and Agriculture Organization of the United Nations, Viale delle Terme di Caracalla, Rome, Italy, June 23, 1959.

FRESH-WATER FISH:

["]Biology of Commercial Fishes in Lakes of Northern Kazakhstan," by V. I. Ereshchenko, article, <u>Akademiia Nauk Kazakhskoi SSR</u>, <u>Institut Zoologii</u>, no. 2, 1959, p. 208, printed in Russian. Akademiia Nauk Kazakhskoi SSR, Institut Zoologii, Alma-Ata, U.S.S.R.

FROZEN FISH:

A New Technique for the Measurement of Texture Changes in Fish Muscle, and Its Application in Assessing the Quality of Cold-Stored Material," by R. M. Love, article, <u>Bulletin de L'</u> <u>Institut International du Froid</u>, vol. 39, 1959, p. 868, printed. International Institute of Refrigeration, 177 Boulevard Malesherbes, Paris 17, France.

"Preliminary Investigations on the Use of Gunny Sack as a Simple and Economical Means for Storing Quick-Frozen Pomfrets with Special Reference to Protection Against Yellow Discoloration During Storage," Indian Fisheries Bulletin, vol. 5, no. 1, January 1958, pp. 19-20, printed In English. Ministry of Food and Agriculture, Government of India, New Delhi, India.

FUNGI:

Occurrence of Lignicolous Fungi in Northern Atlantic and Pacific Marine Localities, contribution no. 252, by S. P. Myers and E. S. Reynolds, 10 pp., illus., printed. (Reprinted from Canadian Journal of Botany, vol. 38, 1960, pp. 217-226.) The Marine Laboratory, University of Miami, No. 1 Rickenbacker Causeway, Miami 49, Fla.

FUR SEALS:

'North Pacific Fur Seal Commission Meets in Moscow," article, <u>Trade News</u>, vol. 12, no. 8, February 1960, p. 21, processed. Information and Educational Service, Department of Fisheries, Ottawa, Canada.

GEAR:

A New Fishing Method for Increasing the Production of Prime Fish in the Coastal Fishery," by G. Predel, article, <u>Deutsche Fischerei Zeitung</u>, vol. 5, no. 7, July 1958, p. 200, printed. Deutsche Fischerei Zeitung, Berlin-Friedrichshagen, Muggelseedamm 310, East Berlin, Germany

Selectivity of Gill Nets for Lake Whitefish, <u>COREGONUS CLUPEAFORMIS</u>, by A. M. Mc-Combie and F. E. J. Fry, 9 pp., illus., printed. (Reprinted from <u>Transaction American Fisheries Society</u>, vol. 89, no. 2, 1960, pp. 176-184.) Division of Research, Ontario Department of Lands and Forests, Toronto, Ontario, Canada.

"State of Development and Working Conditions of Floating Trawls," by G. Kajewski, article, Fischereiforsching, vol. 1, no. 1, August 1958, p. 1, printed in German, Fischereiforsching, Institut fur Hochseefischerei und Fischverarbeitung, Rostock-Marienehe, E. Germany.

GENERAL:

Fish Saving (A History of Fish Processing from Ancient to Modern Times), by Charles L. Cutting, 385 pp., illus., printed, 42s. (about US\$5.88). Leonard Hill Limited, 9 Eden St., N.W. 1, London, England, 1955. The author of this book, who is trained in the field of fisheries technology, gives a very good account of the "methods evolved by man down through the ages for keeping fish in an edible condition." The contents range from the preservation practices of primitive peoples on through the pre-industrial era, the development of the vast fisheries off Newfoundland, the early history of the fish-canning industry, and on down to the present era. Although the book concentrates on the historical aspects of fish preservation as food, the volume contains many references to the role that salting, drying, and smoking of fishery products played in the development of trade between Europe and the North American colonies. This volume is nontechnical and can be recommended to anyone who wants a background knowledge of a subject for which the material is often scattered and inaccessible. The reference material at the end of each chapter is excellent and besides a general index, is also indexed by species, names, and places.

--H. M. Bearse

GERMANY:

Berichte der Deutschen Wissenschaftlichen Kommission fur Meeresforschung, Neue Folge, Ban XV, Heft 4, 1959, 121 pp., illus., printed in German with English summaries. Berichte der Deutschen Wissenschaftlichen Kommission fur Meeresforschung, E. Schweizerbart'sche Verlagsbuchhandlung (Na**ge**le u. Obermiller), Stuttgart W., Germany. Includes these articles: "Unterschungen uber die Biologie des Wittlings Merlangius merlangus (L.) in der Nordsee (Biological Research on the Whiting, Merlangius merlangus (L.), of the North Sea), by Joachim Messtorff; "Untersuchungen uber den Anteil Untermassiger Wittlinge in den Fangen der Deutschen Heringsschleppnetzfischerei in der Nordsee" (Investigations of the Share of Undersized Haddock in the Catches of the Herring Trawl Fishery of the North Sea), by Dietrich Sahrhage; and "Die Vertikalverteilung Plank-tischer Copepoden in der Kieler Bucht" (Vertical Distribution of Plankton Copepods in the Bay of Kiel), by Karl Banse.

HALIBUT:

Pacific Halibut Fishery Regulations (Effective March 24, 1960), 12 pp., printed. International Pacific Halibut Commission Fisheries Hall No. 2, University of Washington, Seattle 5, Wash., March 1960. These regulations were published inconformity with the Pacific Halibut Fishery Convention between the United States and Canada, signed March 2, 1953. They are based on biological and statistical investigations, designed to show what catch can be taken from the stocks each year. The 1960 regulations are similar to those for 1959, except that fishing grounds in the Cape Scott-Goose Islands region and in the channels of southeastern Alaska which were closed to halibut fishing during the second fishing season in Area 2, Willapa Bay to Cape Spencer in 1959, will be open in 1960.

HERRING:

The Herring Fishery of the Northwest Atlantic, by Leslie W. Scattergood and S. N. Tibbo, printed, 75 Canadian cents, The Fisheries Research Board of Canada, Ottawa, Canada. (For sale by the Queen's Printer and Controller of Stationery, Ottawa, Canada.) A general account of the history of the Northwest Atlantic herring fishery from aboriginal days to the present. This booklet also describes the catch and its seasonal nature, gear used, utilization of the catch, and the possibility for expansion.

HYDROGRAPHY:

Some Relations Between Air Temperatures and the Surface Water Temperatures of Lakes, by A. M. McCombie, 7 pp., illus., printed. (Reprinted from Limnology and Oceanography, vol. 4, no. 3, July 1959, pp. 252-258.) Ontario Department of Lands and Forests, Division of Research, Maple, Ontario, Canada.

INDIA:

- The Development of a Fisheries Extension Service in India, by Charles B. Wade, 41 pp., processed. Government of India, New Delhi, India, January 1959.
- Fisheries of Bombay State, 1957, 32 pp., illus., printed. Department of Fisheries, Government of Bombay, Bombay, India.
- "Fishing Methods for the Indian Shad <u>Hilsa</u> ilisha (Hamilton) in the Indian Region, Part II, "by S. Jones, article, <u>Journal of the Bombay</u> Natural History Society, vol. 56, no. 3, December 1959, pp. 423-448, illus., printed, Rs. 15 (about US\$3.15). Bombay Natural History Society 91 Walkeshwar Rd., Bombay 6, India. The methods of fishing for the Indian shad in India, Pakistan, and Burma are described in considerable detail. Some of the nets described are specially designed for landing <u>Hilsa</u> while others are multipurpose nets in which this fish is one of several species caught. In all, about 102 nets are classified, with most of the important ones illustrated. A glossary of local names of fishing gear and tackle with explanations is included.
- JAPAN:
 - Bulletin of the Hokkaido Regional Fisheries Research Laboratory no. 21, February 1960, 61 pp., illus., printed in Japanese with English summaries. Hokkaido Regional Fisheries Research Laboratory, Yoichi, Hokkaido, Japan. Includes, among others, these articles: "Studies on the Sterilization of Fishmeal and the Improvement of its Quality," by H. Oshima, M. Sasajima, and T. Kanzaki; and "Studies on Freezing of 'Surimi' (Fish Paste) and its Application (II): On Freezing of Alaska Pollack 'Surimi' for the Material of Sausage (1)," by K. Nishiya and others.
 - Bulletin of Tokai Regional Fisheries Research Laboratory, no. 25, August 1959, 79 pp., illus., printed in Japanese with English Summaries. Tokai Regional Fisheries Research Laboratory, Tuskishima, Chuo-ku, Tokyo, Japan. Contains,

among others, these articles: "On Separation of Natural and Fishing Mortality from Total Mortality by Use of an Analogue Computer," by T. Doi; "Vitamin A in Fish Flesh," by S. Hirao, J. Yamada, and R. Kikuchi; and "Vitamin B Contents of Tissues of Red Salmon (<u>Oncorhynchus nerka</u>)," by S. Murayama, M. Yanase, and K. Tabei.

The Tohoku Journal of Agricultural Research, vol. 10, no. 1, March 1959, 156 pp., illus., printed. Tohoku Journal of Agricultural Research, The Faculty of Agriculture, Tohoku University, Sendai, Japan. Includes, among others, the following articles: "The Moisture Distribution in Frozen Meat of Swordfish During Cold Storage," by Y. Tsuchiya and S. Uchimi; and "The Use of Probability Paper for the Graphical Analysis of Percentage Compositions of Chum Salmon with Different Scale Characteristics," by R. Sato.

LAKE TROUT:

- Homing Behaviour in Spawning Lake Trout, by N. V. Martin, 4 pp., illus., printed. (Reprinted from <u>The Canadian Fish Culturist</u>, no. 26, March 1960, pp. 3-6.) The Queen's Printer and Controller of Stationery, Ottawa, Canada, 1960.
- LAW OF THE SEA CONFERENCE: 2nd United Nations Conference on the Law of the Sea. United Nations, New York, N. Y.
 - The following processed reports are available from the United Nations, New York, N. Y., distribution limited:
 - A/CONF. 19/BUR/L. 1., Closing date of the Conference. Note by the Secretariat to the General Committee, 1 p., April 7, 1960
 - A/CONF. 19/C. 1/L. 2/ (Rev. 1.), Ethiopia, Ghana, Guinea, Indonesia, Iraq, Iran, Jordan, Lebanon, Libya, Mexico, Morocco, Philippines, Saudi Arabia, Sudan, Tunisia, United Arab Republic, Venezuela and Yemen; revised proposal to the Committee of the Whole, agenda item 9(II), 2 pp., April 11, 1960
 - A/CONF. 19/C. 1/L. 2/Rev. 1/Corr. 1., revised proposal to the Committee of the Whole, Russian only, April 11, 1960.
 - A/CONF. 19/C. 1/L. 5., Philippines: Amendment to the proposals of the USSR (A/CONF. 19/C.1/L-1), Mexico (A/CONF. 19/C. 1/L. 2), USA (A/CONF. 19/C. 1/L. 3), and Canada(A/CONF.-19/C. 1/L. 4) to the Committee of the Whole, agenda item 9 (II), 2 pp., April 1, 1960.
 - A/CONF. 19/C. 1/L. 6., Iran, Indonesia, Philippines, Iraq, Saudi Arabia, Jordan, Lebanon, United Arab Republic, Libya, Tunisia, Morocco, Ghana, Guinea, Sudan, Ethiopia, Yemen: proposal to the Committee of the Whole, agenda item 9 (II), 1 p., April 6, 1960.
 - A/CONF. 19/C. 1/L. 7., Iceland: proposal to the Committee of the Whole, agenda item 9 (II), 2 pp., April 6, 1960.

A/CONF. 19/C. 1/L. 7/ Rev. 1/Corr. 1., revised proposal to the Committee of the Whole, 1 p., Russian only, April 12, 1960.

- A/CONF. 19/C. 1/L. 8., Peru: proposal to the Committee of the Whole, agenda item 9 (II), 2 pp., April 8, 1960.
- A/CONF. 19/C. 1/L. 9., Cuba: proposal to the Committee of the Whole, agenda item 9 (II), 2 pp., April 8, 1960.
- A/CONF. 19/C. 1/L. 10., Canada and USA: proposal to the Committee of the Whole, agenda item 9 (II), 1 p., April 8, 1960.
- A/CONF. 19/C. 1/L. 12., Guatemala: amendment to the joint Canada-USA proposal (A/CONF. 19/C. 1/L. 10.,) to the Committee of the Whole, agenda item 9 (II), 1 p., April 12, 1960.
- A/CONF. 19/L. 3., Mexico: draft resolution, 1 p., April 8, 1960.
- A/CONF. 19/L. 4., Report of the Committee of the Whole, 8 pp., including annex, April 14, 1960.
- A/CONF. 19/L. 4/Corr. 1., 1 p., April 19, 1960.
- A/CONF. 19/L. 4/Corr. 2., 1 p., English only April 19, 1960.
- A/CONF. 19/L. 5., Peru: proposal, agenda item 9 (II), 2 pp., April 8, 1960.
- A/CONF. 19/L. 6., Cuba: proposal, agenda item 9 (II), 2 pp., April 8, 1960.
- The following processed reports are available from the International Documents Service, Columbia University Press, 2960 Broadway, New York 27, N. Y.:
- A/CONF. 19/5/Add. 1., Addendum to the Supplement to Laws and Regulations on the Regime of the Territorial Sea (UN Legislative Series), Indonesia: Act no. 4 of February 18, 1960, 12 pp., including annex, April 4, 1960.
- A/CONF. 19/5/Add. 2., Addendum to the Supplement to Laws and Regulations on the Regime of the Territorial Sea (UN Legislative Series), Netherlands: Netherlands New Guinea, Ordiance of February 17, 1959, amending the Territorial Sea and Maritime Districts Ordinance 1939, 6 pp., April 8, 1960.
- A/CONF. 19/6/ Add. 1., 2nd UN Conference on the Law of the Sea, Addendum to the Supplement to the Bibliographical Guide to the Law of the Sea (A/CONF. 13/17), 7 pp., text in English, French, and Spanish, March 28, 1960.

MADAGASCAR:

La Peche au Piege ou . . . 'Vovomora' dans les Pangalances-Est" (The Trap Fishery for "Vovomora" on the Eastern Coast of Madagascar), by A. Keiner, article, <u>Bulletin de Madagascar</u>, vol. 10, no. 167, April 1960, pp. 309-314, illus., printed in French. Bulletin de Madagascar, M. le Directeur de l'Imprimerie Officielle, Tananarive, Madagascar. MANAGEMENT AIDS:

Responsibility Accounting Can Pay Dividends, by Martin N. Kellogg, Management Aids for Small Manufacturers No. 142, 4 pp., illus., printed. Small Business Administration, Washington 25, D.C., March 1960. Describes the role of responsibility accounting in the management of small manufacturing plants. "Responsibility Accounting" is a relatively new term but it does represent a well-established accounting concept. It increases management vitality in the financial reporting system of a business by providing separate accounting reports of individual executives' operating preformances. Thus the executives' responsibility is more clearly established, too. But perhaps the major benefits from a responsibility accounting system are the profit-and-loss thinking and the exercise of initiative that it brings to a management team. This concept, entailing submission of each executive's budget recommendation as well as his regular operating reports, might also be termed "Responsibility Reporting."

MICHIGAN:

Laws Relating to Fishing--1959, 84 pp., printed. Michigan Department of Conservation, Lansing, Mich. Laws pertaining to commercial, inland, and sports fishing in Michigan as well as miscellaneous fishing laws. The section on commercial fishing relates to commercial fishing licenses; special provisions regulating fishing in bays and harbors; fishing regulations for Fort Gratiot Light (Lake Huron), Northport Harbor, and Whaiska Bay; and laws for private fish ponds.

MISCELLANEOUS:

- Association of Island Marine Laboratories (Second Meeting, September 17-21, 1958), 28 pp., illus., processed. Bermuda Biological Station, Bermuda, B.W.I.
- The First Filling of the Swim Bladder in Salmonoids, by J. S. Tait, 10 pp., illus., printed. (Reprinted from Canadian Journal of Zoology, vol. 38, 1960, pp. 179-187.) Laboratory for Experimental Limnology, Department of Zoology, University of Toronto, Toronto, Canada.
- A Modified Roller Press for Scale Impressions, by M. H. Baker and H. H. Brohm, 4 pp., illus., printed. (Reprinted from The Canadian Fish Culturist, no. 26, March 1960, pp. 31-34.) The Queen's Printer and Controller of Stationery, Ottawa, Canada.

MOLLUSKS:

Marine Mollusca of Point Barrow, Alaska, by Nettie Macginitie, 203 pp., illus., printed. (Reprinted from Proceedings of the United States National Museum, vol. 109, no. 3412, 1959, pp. 59-208). Smithsonian Institution, United States National Museum, Washington, D. C.

NETHERLANDS:

Onderzoek Naar de Bedrijfsresultaten van de Binnenvisserij--Zonder Riviervisserij--in de Seizoenen 1955/56 en 1956/57 (Research on the Accomplishments of Business Units in Inland

Fisheries--Without River Fisheries--in the Seasons 1955/56 and 1956/57), Report No. 259, 52 pp., illus., processed in Dutch. Landbouw-Economisch Instituut, Conradkade 175, The Hague, Netherlands, May 6, 1958.

NORWAY:

- Rapport om Fiseforsøk Etter al i Herøy-Distriktet, Helgeland, Høsten 1959" (Report on Eel Fishery Research in the Heroy District, Helgeland, Fall 1959), by M. Halas, article, Fiskets Gang, vol. 46, no. 14, April 7, 1960, pp. 208-210, printed in Norwegian. Fiskets Gang, Postgiro nr. 691 81, Bergen, Norway.
- "Rapport over Fiskeforsøk og Merkeeksperimenter på Makrell, Piggha, og Habrann i Nordsjøem og Områdene Vest av Hebridene-Shetland med F/S G. O. Sars, 5-26/11-59" (Report on Fishery Research and Tagging Experiments on Mackerel and Sharks in North Sea and West of Hebrides-Shetlands on Cruise of G, O. Sars, November 5-26, 1959), article, Fiskets Gang, vol. 46, no. 13, March 31, 1960, pp. 193-195, illus., printed in Norwegian. Fiskets Gang, Postgiro nr. 691 81, Bergen Norway.
- "Rapport over Sildeinnsiget 1960" (Report on Herring Outlook for 1960), by Finn Devold, article, <u>Fiskets Gang</u>, vol. 46, no. 16, April 21, 1960, pp. 232-236, illus., printed in Norwegian. Fiskets Gang, Postgiro nr. 619 81, Bergen, Norway.
- "Smatralernes Lonnsomhet i 1958" (Small Trawler Earnings in 1958), by Arthur Holm, article, Fiskets Gang, vol. 46, no. 17, April 28, 1960, pp. 244-250, printed in Norwegian, Fiskets Gang, Postgiro nr. 691 81, Bergen, Norway.

NUTRITION:

"The Nutritional Factor," by L. E. Ousterhout, article, <u>Seafood Merchandising</u> (Annual Review Number), vol. 19, November 30, 1959, pp. 13, 52-53, printed. Seafood Merchandising, H. L. Peace Publications, 624 Gravier St., New Orleans 9, La.

OCEANOGRAPHY:

Proceedings of the UNESCO Symposium of Physical Oceanography, 1955, Tokyo, 292 pp., illus., printed in English. Japanese Society for the Promotion of Science, Ueno Park, Tokyo, Japan, 1957.

OKLAHOMA:

Commercial Fisheries Catch in Oklahoma, 1957, by Ronald E. Elkin, Jr., Contribution No. 70, 8 pp., illus., printed. (Reprinted from Proceedings of the Oklahoma Academy of Science for 1958, vol. 39, 1959, pp. 183-190.) Oklahoma Fishery Research Laboratory, Department of Wildlife Conservation, Tulsa, Okla. According to the author, "The history of commercial fishing in Oklahoma waters has been one of continuous controversy between sports fishing interests and the commercial fisherman." This paper reports the 1957 commercial fish catch in Oklahoma waters in order to dispel some prevalent misconceptions about the commercial fishing industry, and to provide a sound basis for a future commercial fishing program. Includes a summary of the commercial fisheries landings in Oklahoma in 1957; commercial landings by months for Grand, Fort Gibson, and Tenkiller Lakes in 1957; and a chart on the monthly aggregate weights of buffalofish, carp, and flathead catfish from Grand, Fort Gibson, and Tenkiller Lakes in 1957.

OYSTERS:

- An Abnormal Virginia Oyster with a Bifurcated <u>Muscle</u>, by Gordon Gunter, 2 pp., printed. (Reprinted from <u>Proceedings of the National Shell-</u> fisheries Association, vol. 48, 1958, pp. 152-153.) Gulf Coast Research Laboratory, Ocean Springs, Miss.
- Effects of Pea Crabs PINNOTHERS OSTREUM On Oysters CRASSOSTREA VIRGINICA, by Dexter Haven, 10 pp., illus., printed, (Reprinted from Proceedings of the National Shellfisheries Association, vol. 49, 1959.) Virginia Fisheries Laboratory, Gloucester Point, Va.
- <u>Fresh-Water Kill of Oysters (CRASSOSTREA</u> <u>VIRGINICA) In James River, Virginia, 1958</u>, by Jay D. Andrews, Dexter Haven, and D. B. Quayle, 21 pp., illus., printed. (Reprinted from <u>Proceedings of the National Shellfisheries As-</u> <u>sociation</u>, vol. 49, 1959, pp. 29-49.) Virginia Fisheries Laboratory, Gloucester Point, Va.
- "Hydroclimate on the Bar Grounds," by Carl N. Shuster, Jr., article, <u>Estuarine</u> <u>Bulletin</u>, vol. 5, no. 1, March 1960, pp. 7-11, illus., printed. Estuarine Bulletin, Department of Biological Sciences, University of Delaware, Marine Laboratories, Newark, Del.
- "James River Seed Oysters are Self-Replenishing Gold Mine," by James Wharton, article, The Commonwealth, vol. 27, no 5, May 1960, pp. 26-28, illus., printed. Virginia State Chamber of Commerce, 111 No. Fifth St., Richmond 19, Va.
- <u>Observations on Distribution and Elimination of</u> <u>Spores of NEMATOPSIS OSTREARUM in Oysters</u>, by Sung Yen Feng, 12 pp., printed. (Reprinted from <u>Proceedings of the National Shellfisheries</u> <u>Association</u>, vol. 48, 1958, pp. 162-173.) Virginia Fisheries Laboratory, Gloucester Point, Va.
- "Oyster Seed Production on Cape May's Tidal Flats," by Thurlow C. Nelson, article, <u>Estuarine Bulletin</u>, vol. 5, no. 1, March 1960, pp. 3-6, illus., printed. Estuarine Bulletin, Department of Biological Sciences, University of Delaware, Marine Laboratories, Newark, Del.

PAKISTAN:

<u>Proceedings of the Conference of Fishery Offi</u> <u>cers of the Government of East Pakistan held</u> <u>at Dacca from the 11th to the 15th February</u> <u>1958, 95 pp., illus., printed. East Pakistan</u> Government Press, Dacca, Pakistan, 1958.

POISONOUS FISH:

"Sensitivity of Fish to Feeds Containing Poisonous Substances," by F. M. Sukhoverkhov, arti-

cle, <u>Veterinariia</u>, vol. 36, no. 6, 1959, p. 63, printed in Russian. Minsel'skogo Khoziaistva SSSR, Orlikov Pereulok d. 1/11, Moscow, USSR.

PORTUGAL:

"Estudo Economico da Producao de Farinhas e Oleos de Peixe em Angola" (Economic Study of Fish Meal and Oil Production in Angola), by Jose de Brito Guterres and Eugenio Antunes Tropa, article, <u>Boletim da Pesca</u>, no. 65, December 1959, pp. 73-79, illus., printed in Portuguese. Boletim da Pesca, Avenida da Liberdade, 211-4, Lisbon, Portugal.

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"American Manufacturer's Protest--Tuna Fish, Packed in Brine -- Fish, Prepared or Preserved-Presidential Proclamation-Trade Agreements Act of 1934," (C.A.D. 728), article, <u>Treasury</u> <u>Decisions</u>, vol. 95, no. 7, February 18, 1960, pp. 50-64, printed, 20 cents. U. S. Treasury Department, Washington, D. C. (For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.) This is a decision of the United States Court of Customs and Patent Appeals, involving Star-Kist Foods, Inc. v. United States (Bruno Scheidt, Inc., Party in Interest). The appellant claimed (1) the Trade Agreements Act of 1934 was invalid as an uncon-stitutional delegation of legislative power by Congress to the President; (2) that the trade agree ment with Iceland is a treaty and therefore invalid since it was neither negotiated with the advice and consent of the Senate, nor did two-thirds of the Senate concur in its execution as required by the Constitution; and (3) that the proclamation of the President made pursuant to with this trade agreement is null and void. The appeal arose out of a protest filed by Star-Kist Foods, Inc., an American producer of canned tuna packed in oil and tuna packed in distilled water (a "dietetic pack"). The court in part ruled: "We, therefore, hold that the trade agreement with Iceland and the accompanying proclamation are valid. In view of the above analysis of the issues herein and our conclusions with respect thereto, we af-firm the judgment of the Customs Court."

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