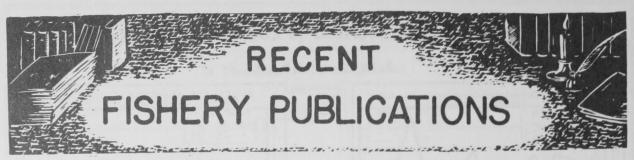
COMMERCIAL FISHERIES REVIEW

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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

Number

- AND ALASKA. FL FISHERY LEAFLETS, SL BRANCH OF STATISTICS LISTS OF DEALERS IN AND PRODUCERS OF FISHERY PRODUCTS AND BYPRODUCTS. SSR. FISH. SPECIAL SCIENTIFIC REPORTS -- FISHERIES (LIMITED DISTRIBUTION). SEP. SEPARATES (REPRINTS) FROM <u>COMMERCIAL FISHERIES</u>
- REVIEW.

Title

CFS-2246	-	Massachusetts Landings, 1959 Annual	ndings, 1959 Annual
		Summary, 16 pp.	
CES-2250	-	Florido Londinga 1959 Annual Summa	1050 Annual Summa

- Florida Landings, 1959 Annual Summa F 2-770 ry, 10 pp.
- CFS-2256 Maine Landings, 1959 Annual Summary, 11 pp.
- CFS-2268 Frozen Fish Report, March 1960, 8 pp.
- CFS-2289 Alabama Landings, 1959 Annual Summary, 3 pp.
- CFS-2292 New York Landings, February 1960, 4 pp.
- CFS-2294 Texas Landings, February 1960, 3 pp.
- CFS-2295 Louisiana Landings, November 1959, 2 pp.
- CFS-2296 Louisiana Landings, December 1959, 2 pp.
- CFS-2297 Virginia Landings, March 1960, 3 pp.
- CFS-2298 Maryland Landings, March 1960, 3 pp.
- CFS-2300 Massachusetts Landings, January 1960, 4 pp.
- CFS-2302 Louisiana Landings, January 1960, 2 pp.
- CFS-2307 Georgia Landings, March 1960, 2 pp.
- CFS-2311 Florida Landings, March 1960, 6 pp.
- CFS-2313 New York Landings, March 1960, 4 pp.
- FL-393 Fisheries of the United States, 1959 (A Preliminary Review), by E. A. Power, 52 pp., illus., revised April 1960. A preliminary review of commercial fishery activities in 1959, well illustrated with graphs and charts In addition to data on production, consumption, prices, manufactured fishery products, value of industry and capital investments, and supplies of certain fishery products, this leaflet contains information on fishery imports and exports, and world fisheries.

Wholesale Dealers in Fishery Products, 1959 (Revised):

- SL-7 New Jersey, 1959.
- SL-13 North Carolina, 1959.
- SL-14 South Carolina, 1959.
- SL-15 Georgia, 1959.
- SL-17 Alabama (Coastal Area), 1959.

- SL-18 Mississippi (Coastal Area), 1959.
- SL-26 Illinois (Great Lakes Area), 1959.
- SL-27 Indiana (Great Lakes Area), 1959.
- Firms Canning, 1959 (Revised):
- SL-102 Maine Sardines (Including Sea Herring).
- SL-102A Pacific Sardines.
- SL-104 Mackerel.
- SL-111 Clam Products.
- SL-116 Food for Animals, From Marine-Animal Products.

Firms Manufacturing, 1959 (Revised):

- SL-154 Seaweed Products.
- SL-160 Menhaden Products.
- SSR-Fish. No. 292 North Pacific and Bering Sea Oceanography, 1957, by Felix Favorite and Glenn M. Pedersen, 110 pp., illus., May 1959.
- SSR-Fish. No. 312 North Pacific and Bering Sea Oceanography, 1958, by Felix Favorite and Glenn Pedersen, 333 pp., illus., November 1959.
- SSR-Fish. No. 327 Herring of the North European Basin and Adjacent Seas (Translations from Russian), edited by Leslie W. Scattergood, 286 pp., illus., November 1959. Includes arti-cles on "The Fundamental Stage of the Life-Cycle of Atlantic-Scandinavian Herring." by Y. Y. Marti; "Chart of Consonant Currents in the Norwegian and Greenland Seas," by A. P. Alekseev and B. V. Istoshin; "Plankton as an Indicator of Waters of Different Origins," by V. D. Abramova; "Seasonal Changes in Plankton and Feeding Migrations of Herring," by E. A. Pavshtiks; "Data on the Food of the At-lantic Herring," by V. A. Rudokova; "Investigation into the Life-Cycle of Summer-Spawn-ing Herring of Iceland," by K. A. Liamin; "The Ovogenesis and Ecology of the Sexual Cycle of the Murmansk Herring (<u>Clupea harengus haren-</u> gus L.)," by V. M. Naumov; "Experimental Tagging of Herring in Kandalaksha Bay in 1953-1954," by A. P. Vilson; and "The Biological Foundation of the Fishery of the White Sea Herring," by B. M. Tambovtsev.
- SSR-Fish. No. 328 Sardine Eggs and Larvae and Other Fish Larvae, Pacific Coast, 1957, by Elbert Ahlstrom, 104 pp., illus., December 1959.
- Annual Report of the Biological Laboratory, Woods Hole, Mass. (for the Year Ending June 30, 1959), Circular 80, 55 pp., illus., processed. This report, constituting part of the annual report of the Branch of Fishery Biology, presents a summary of research activities in the Northwest Atlantic Fishery Investigations program and a description of vessels and shore facili-

ties. As in past years, the research program was directed primarily toward problems associated with the offshore groundfish and sea scallops upon which the New England fishing industry is mainly dependent. The major groundfish species concerned are cod, haddock, ocean perch, whiting, and the species taken by the industrial trawl fishery.

Annual Report of the Fish and Wildlife Service, Bureau of Commercial Fisheries, Bureau of Sport Fisheries and Wildlife, for the Fiscal Year 1959, 46 pp., illus., printed. (Reprinted from the <u>Annual Report of the Secretary of the</u> Interior, for the Fiscal Year Ended June 30, 1959.) Summarizes the various activities of the Service. Describes the activities of the Bureau of Commercial Fisheries; Industrial Research and Services; Columbia River Fisheries Program; Pribilof Islands fur-seal industry; and biological research (shellfish anadromous, inland, and marine fisheries). Bureau of Sport Fisheries and Wildlife activities discussed include Federal aid to the states for the restoration of fish and wildlife, fish hatcheries; fishery management services; and river basin studies.

National Wildlife Refuges in the Northeast (Region 5), 4 pp., illus, February 1960.

Report of the Secretary of the Interior to the President and the Congress on Fresh, Frozen, and Processed Shrimp, 112 pp., processed April 1960. A comprehensive report on the fresh, frozen, and processed shrimp industries prepared for the President and Congress in compliance with Section 9(b) of Public Law 1024, 84th Congress, the Fish and Wildlife Act of 1956 (70 Stat, 1119), enacted August 8, 1956. The investigation upon which this report is based was conducted at the request of a national shrimp organization whose members have accounted for over 70 percent of the U. S. production of shrimp. The request was prompted by a growing apprehension in the shrimp industry over its economic future. As important elements contributing to their concern, shrimp producers have cited (1) an increase in the total U. S. supply resulting mainly from high import volumes in 1958 and 1959, (2) a decrease since 1953 in the average annual catches of individual shrimp trawlers, (3) an increase in production costs during the 1950's, (4) record-high cold-storage holdings of shrimp in 1959, and (5) a sharp downturn in prices paid to shrimp fishermen during 1959. The shrimp industry is composed of many segments, such as trawler owners, fishermen, shore-plant operators, processors, shipbuilders and provisioners, importers, brokers, and distributors. Each group is affected differently by changing conditions in total supply, prices, production costs, and imports. This report is concerned principally with the factors affecting the producing segments of the domestic shrimp industry. Other factors, such as the impact of the present shrimp situation on the consumer, on U. S. trade interests, and on other matters of public interest, have not been considered.

Sep. No. 590 - Exploratory Fishing in Lake Erie, September 1958-November 1959.

- Sep. No. 591 Research in Service Laboratories (June 1960): Contained this article--"Fish Flour is Primarily a Protein Concentrate--Not a Substitute for Grain Flour."
- Sep. No. 592 Equipment Note No. 4 A Method of Making Electrical Trawl Cable Terminations and Connections.

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

Number <u>Title</u> <u>MNL-17</u> - Italian Fishing Industry, 1959. MNL-19 - Japanese Investments in Overseas Fishery Enterprises.

THE FOLLOWING ENGLISH TRANSLATIONS OF FOREIGN LANGUAGE ARTICLES ARE AVAILABLE ONLY FROM THE U. S. FISH AND WILD-LIFE SERVICE, BUREAU OF COMMERCIAL FISHERIES, P. Q. BOX 3830, HONOLULU, HAWAII.

- Average Year's Fishing Condition of Tuna Long-Line Fisheries, 1958 Edition, edited by Nankai Regional Fisheries Research Laboratory, 44 pp., processed. (Translated from Tokyo Federation of Japan Tuna Fishermen's Co-Operative Associations, 1959, text volume, pp. 1-27.)
- Culturing of a Copepoda, SINOCALANUS TENEL-LUS, by Chikayoshi Matsudaira, 6 pp., processed. (Translated from Information Bulletin on Planktology in Japan, no. 5, 1957, pp. 1-6.)
- <u>Noise of Creatures in Sea in Region of Ultrasound,</u> by Tomiju Hashimoto and Yoshinobu Maniwa, 15 pp., illus., processed. (Translated from <u>Technical Report of Fishing Boat No. 12</u>, 1958, pp. 99-114.)
- On the Gill-Rakers of SARDINIA MELANOSTICTA (Temminck & Schlegel), by Noboru Sako, 2 pp., processed. (Translated from Bulletin of the Japanese Society of Scientific Fisheries, no. 7, 1938, pp. 237-238.)
- The Study of Finding the Reasons Why the Bonito Does Not Take to the Angling-Baits, by Yasou Suyehiro, 12 pp., processed. (Translated from Journal of the Imperial Fisheries Experimental Station (Tokyo), no. 9, 1938, pp. 87-102.)

THE FOLLOWING ENGLISH TRANSLATION OF A FOREIGN LANGUAGE ARTICLE IS NOT FOR GENERAL DISTRIBUTION BUT IS AVAILABLE FOR REFERENCE ONLY FROM THE U. S. FISH AND WILDLIFE SERVICE, BUREAU OF COMMERCIAL FISHERIES, P. 0. BOX 3830, HONOLULU, HAWAII.

Offshore Distribution of Plankton Produced in Coastal Water, by Masataka Kitou, 3 pp., processed. (Translated from Information Bulletin on Planktology in Japan, no. 5, 1957, pp. 7-8.)

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

California Fishery Products Monthly Summary March 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 fish; mackerel, and anchovies; pack of canned tuna, mackerel; and 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, March 1960, 12 pp. (Market News Service, U. S. Fish and Wildlife Service, 565 W. Washington St., Chicago 6, 11.) 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, March 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, April 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 England Fisheries--Annual Summary, 1959, by John J. O'Brien, 51 pp., processed. (Available free from the Market News Service, U. S. Fish and Wildlife Service, 10 Commonwealth Pier, Boston 10, Mass.) Reviews the fish marketing trends and conditions at the principal New England fishery ports, and highlights of fisheries in other nearby areas. Presents foodfish landings by ports and species; industrialfish landings and ex-vessel prices; imports; cold-storage stocks of fishery products in New England warehouses; fishery landings and exvessel prices by months for ports in Massachusetts (Boston, Gloucester, New Bedford, Prov-incetown, and Woods Hole), Maine (Portland and Rockland), Rhode Island (Point Judith), and Connecticut (Stonington); frozen fishery products prices to primary wholesalers at Boston, Gloucester, and New Bedford; and monthly landings and ex-vessel prices for fares landed at the Boston Fish Pier and sold through the New England Fish Exchange.
- New England Fisheries -- Monthly Summary, March, and April 1960, 22 pp. each. (Market News Service, U. S. Fish and Wildlife Service, 10 Commonwealth Pier, Boston 10, Mass.) Reviews the principal New England fishery ports, and presents food fish landings by ports and species; indus-

trial fish landings and ex-vessel prices; imports; cold-storage stocks of fishery products in New England warehouses; fishery landings and exvessel prices for ports in Massachusetts (Boston, Gloucester, New Bedford, Provincetown, and Woods Hole), Maine (Portland and Rockland), Rhode Island (Point Judith), and Connecticut (Stonington); frozen fishery products prices to primary wholesalers at Boston, Gloucester, and New Bedford; and landings and ex-vessel prices for fares landed at the Boston Fish Pier and sold through the New England Fish Exchange; for the months indicated.

- New York City's Wholesale Fishery Trade--Monthly Summary for January and March 1960, 16 and 22 pp. respectively. (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 months indicated.
- (New York) List of Primary Brokers and Importers of Fishery Products and Byproducts, New York City, 1959-1960, 16 pp. (Market News Service, U. S. Fish and Wildlife Service, 155 John St., New York 38, N. Y.)
- (Seattle) Washington, Oregon, and Alaska Receipts and Landings of Fishery Products for Selected Areas and Fisheries, Monthly Summary, April 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.

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.

BRAZIL:

Pesca 1958 (Fisheries 1958), 16 pp., processed in Portuguese. Ministerio da Agricultura, Servico de Estatistica da Producao, Rio de Janerio, Brazil, December 1959.

CALIFORNIA:

California Fish and Game, vol. 46, no. 2, April 1960, 124 pp., illus., printed. Department of Fish and Game, 722 Capitol Ave., Sacramento 14, Calif. Includes, among others, these articles: "Exploratory Longline Fishing for Tunas in the Eastern Tropical Pacific, September 1955 to March 1956," by Kenneth F. Mais and Tom Jow; "Observations on the Growth Rate of the Spiny Lobster," by John Backus; "Age Composition of the Southern California Catch of Pacific Mackerel, Pneumatophorus diego for the 1957-1958 Season," by Harold Hyatt; "Age and Length Composition of the Sardine Catch off the Pacific Coast of the United States and Mexico in 1957-58," by Anita Daugherty and Robert S. Wolf; "Notes on Four Specimens of the Pacific Sardine Taken in August 1957 off British Columbia and Oregon," by Charles F. Reid; and "An Economic Evaluation of California's Sport Fisheries," by John Mahoney.

- Digest of Commercial Fish Laws, 1959-61, 28 pp., illus., printed. California Department of Fish and Game, 722 Capitol Ave., Sacramento 14, Calif., 1959. A booklet explaining the California commercial fishing laws. This booklet is not intended to replace the Fish and Game Code but to explain the Code to the fishing industry. It contains information on license provisions, species covered, the commercial fishing districts, provisions of the Code affecting the commercial fisheries, calendar of the seasons, and use or possession of nets in certain districts. Laws governing the catch of fish and shellfish are restrictive; those governing fishing gear are permissive.
- <u>A Field Guide to Some Common Ocean Sport</u> <u>Fishes of California</u>, Pt. 1, by Daniel J. Miller, 40 pp., illus., printed. California Department of Fish and Game, Marine Resources Operations, Sacramento, Calif., 1960.
- CANADA:

The Canadian Fish Culturist, no. 26, March 1960, 34 pp., illus., printed. The Queen's Printer and Controller of Stationery, Ottawa, Canada. Includes the following articles: "Homing Behavior in Spawning Lake Trout," by N. V. Martin; "Further Observations on the Survival of Yearling Lake Trout Planted in South Bay, Lake Huron," by J. C. Budd and F. E. J. Fry; "Comparative Tagging Returns Employing Three Different Anaesthetics," by R. A. Ryder; "A Possible Source of Error in Assessing the Survival of Pacific Salmon Eggs by Redd Sampling," by J. G. McDonald; and "A Modified Roller Press for Scale Impressions," by M. H. Baker and H. H. Brohm.

- CEYLON:
 - Administration Report of the Director of Fisheries for 1958, 80 pp., printed in Singhalese and English. Government Publications Bureau, Colombo, Ceylon. February 1960.
- CONNECTICUT:
- A Fishery Survey of the Lakes and Ponds of Connecticut, 395 pp., illus., printed. State Board of Fisheries and Game, Lake and Pond Survey Unit, Hartford, Conn., 1959.
- CONSERVATION:

The Exploitation and Conservation of the Resources of the Sea: A Study of Contemporary International Law, by Francisco V. Garcia Amador, second and enlarged edition, 226 pp., printed, Fl 26.75 (about US\$7.09). A. W. Sijthoff, Leiden, Netherlands, 1959. Presents a discussion of the work of the first United Nations Conference on the Law of the Sea held in Geneva in the spring of 1958. The author believes that the recent advances in exploration and exploitation of the riches of the sea and the rise of new national needs and interests necessitate the making of adjustments in traditional international law. The emerging new system must recognize and secure "the legitimate interest of all in the rational utilization of the resources of the sea." The author discusses recent developments with regard to the continental shelf, territorial sea, contiguous zones, and the new baseline technique. He states the view that the plan adopted at Geneva in 1958 properly recognizes the rights and interests of both the coastal states and the nations traditionally fishing on the high seas.

- CUBA:
 - Mar y Pesca, vol. 3, nos. 4, 5, and 6, January-March 1960, 50 pp., illus., printed in Spanish. Departamento de Pesca del I. N. R. A., Noveno Piso, Plaza Civica, Havana, Cuba. In-cludes, among others, these articles: "Industrializacion de la Pesca de Agua Dulce" (Commercial Development of the Fresh-Water Fishery), by Federico Gomez de la Maza; "Los Alimentos Marinos en su Aspecto Medicinal" (Seafood and Its Medicinal Potentiality); "Ano del Pescado" (Seafood Year); "Adelantos Pesqueros en Jamaica" (Progress in Jamaica's Fisheries); "Probabilidad Comercial de la Sardina en Cuba" (Comercial Possiblilties of the Cuban Sardine), by Armando Perez Gattini; "Cooperativas de Pescadores" (Fish-erman's Cooperatives); "Visitando los Fondos de los Abismos Marinos" (Exploring the Depths of the Oceans); and "La Industria de la Pesca en Rusia" (The Russian Fishery Indus-try), by Fidel de Varona C.
- DIRECTORIES:
 - Amendments to a Directory of White Fish Exporters in the United Kingdom, 4 pp., printed. White Fish Authority, Lincoln's Inn Chambers, 2-3 Cursitor St., London EC4, England.

ECHO-SOUNDING DEVICES:

Fishing with Sound," by Yu. A. Shemanskiy, article, Priroda, no. 2, pp. 104-105, printed in Russian. Priroda, Akademiya Nauk SSSR, M. Khariton'yevski per. 4, Moscow, U.S.S.R., 1958.

EELS:

The Atlantic Eel Problem," by C. L. Deelder and Denys W. Tucker, article, <u>Nature</u>, vol. 185, no. 4713, February 27, 1960, pp. 589-592, printed. Nature, MacMillan & Co., Ltd., St. Martin's St., London WC2, England.

ELECTRICAL FISHING:

The Development and Evaluation of Interrupted Direct Current Electro-Fishing Equipment, by Max Dean Rollefson, Cooperative Research Project No. 1, 123 pp., illus., processed. Colorado Cooperative Fisheries Research Unit, 243 Forestry Bldg., Colorado State University, Fort Collins, Colo., May 1958. This project was conducted jointly by the Colorado

State University, Wyoming Game and Fish Commission, and Colorado Game and Fish Department. Quantitative evidence of electrofishing success under field conditions with direct current, alternating current, and pulsed direct current was compared. In addition, electrocution experiments were performed to ascertain the approximate minimum lethal exposure periods of carp to electric fields of several conditions of alternating current voltage and current density.

"A Direct-Current Electrofishing Apparatus Using Separate Excitation," by A. R. Murray, article, <u>The Canadian Fish Culturist</u>, no. 23, pp. 27-32, printed. The Canadian Fish Culturist, Department of Fisheries, Ottawa, Canada, 1958.

EUROPEAN ECONOMIC COOPERATION:

Seefischerei und AuBenhandel mit Fischen und Fischwaren der OEEC-Lander im Hinblick auf die Europaische Wirtschaftsgemeinschaft (Gemeinsamer Markt) und den Europaischen Freihandelsbund (Marine Fisheries and Foreign Trade in Fish and Fishery Products of the OEEC Countries with Special Reference to the European Common Market and the European Free Trade Area), by Wilhelm Blanke, 156 pp., processed in German. Forschungsstelle fur Fischereiwirtschaft, Bremer Ausschuss fur Wirtschaftsforschung, Parkstrasse 50, Bremen, Germany, 1959.

FISH POPULATIONS:

Estimation of Fish Populations," by J. A. Timmermans, Travaux de Station de Recherches, Series D. Hydrobiologie, No. 21, 84 pp., printed in French. Groenendael Station de Recherches, Jette, Belgium.

FISH PROCESSING INDUSTRIES:

- 1958 Census of Manufactures--Cured Fish Industry, Industry and Product Reports No. MC(P)-20C-1, 4 pp., processed, 10 cents. Bureau of the Census, U. S. Department of Commerce, Washington 25, D. C., February 1960. Advance information on industries and products covered in the 1958 Census of Manufactures, to be superseded by a final report which will be included in vol. II, <u>Industry Statistics</u>. Describes firms reporting, value of production, general statistics, and publication program and background for this census. Statistical tables are included on employment in the cured fish industry, 1958 and 1954, and quantity and value of cured fish produced by all producers in the United States for the same period.
- FISH SILAGE:

Ensilado de Pescado, Variaciones en la Fuente Energetica (Fish Silage, Variations in the Source of Energy), by Victor H. Bertullo and Fernando Perez Hettich, 12 pp., illus., printed in Spanish with brief English summary. (Reprinted from <u>Anales de la Facultad de Veterinaria</u>, vol. 8, no. 6, August 1959, pp. 121-132.) Facultad de Veterinaria, Montevideo, Uruguay.

FLORIDA:

Notes on the Marine Flora of the Marquesas Keys, Florida, by Ronald C. Phillips, Contribution No. 35, 8 pp., illus., printed. State Board of Conservation, Marine Laboratory, St. Petersburg, Fla., 1959.

FOOD AND AGRICULTURE ORGANIZATION:

Approved Budget 1960-61 as Approved by the Conference at Its 10th Session, 63 pp., printed. Food and Agriculture Organization of the United Nations, Vialle delle Terme di Caracalla, Rome, Italy, 1960.

FRANCE:

"La Campagne du <u>President-Theodore-Tissier</u> a l'Ouest et au Nord-Ouest des Iles Britannique" (The Cruise of the <u>President Theodore</u> <u>Tissier</u> to the West and Northwest of the British Isles), article, La Peche Maritime, vol. 39, no. 985, April 1960, pp. 220-222, Illus., printed in French. La Peche Maritime, 190 Boulevard Haussmann, Paris, France.

FRESH-WATER FISH:

Survival and Migration of Fresh-Water Fishes in Salt Water, by William C. Renfro, Contribution No. 44, 9 pp., illus., printed. (Reprinted from The Texas Journal of Science, vol. 11, no. 2, June 1959, pp. 172-180.) Texas Game and Fish Commission, Seabrook, Tex.

"The Tolerance of Some Fresh-Water Fish for Sea Water," by D. W. M. Herbert and H. T. Mann, article, <u>The Salmon and Trout Magazine</u>, no. 153, pp. 99-101, printed. The Salmon and Trout Association, Fishmongers' Hall, London Bridge, London EC4, England, 1958.

FROZEN FISH:

Comercio y Consumo de Pescado Congelado en los Paises de la O.E.C.E." (Trade and Consumption of Frozen Fish in the O.E.E.C. Countries), article, <u>Industrias Pesqueras</u>, vol. 34, no. 790, March 15, 1960, pp. 90-91, printed in Spanish. Industrias Pesqueras, Policarpo Sanz, 21-2°, Vigo, Spain.

GEAR:

Relative Selectivity of Freshwater Commercial Fishing Devices Used in Louisiana, by James Davis and Lloyd Posey, Jr., 27 pp., illus., printed. Fisheries Section, Wild Life and Fisheries Commission, Wildlife and Fisheries Bldg., 400 Royal St., New Orleans, La., 1959.

GENERAL:

Journal du Conseil, vol. 25, no. 1, October 1959, 106 pp., illus., printed. Conseil Permanent International pour l'Exploration de la Mer, Charlottenlund Slot, Denmark. Includes, among others, these articles: "The Multiplane Kite-Otter as a Depressor for High-Speed Plankton Samplers," by John B. Colton, Jr.; "A Quantitative Multiple Opening-and-Closing Plankton Sampler for Vertical Towing," by Allan W. H. Be, M. Ewing, and L. W. Linton; "The Scientific Name of the Common Cod," by Daniel M. Cohen; "How the Tag Return Rate is Affected by the Condition of Fish When Tagged," by R. J. H. Beverton, J. A. Gulland, and A. R. Margetts; "A Method of Analysis of Some Tagged Haddock Returns," by R. Jones; "Fecundities of Winter-Spring and Summer-Autumn Herring Spawners," by I. G. Baxter; "Otolith Types Amongst Summer-Autumn Spawning Herring in the Northern North Sea," by B. B. Parrish and D. P. Sharman; and "Temperature and Growth--The Pacific Razor Clam," by Clyde C. Taylor.

"Some Simple Mathematical Models as Aids in Interpreting the Effect of Fishing," by Kenneth D. Carlander, article, <u>Iowa State College Journal</u> of <u>Science</u>, vol. 32, no. 3, pp. 395-417, printed. <u>Iowa State College</u>, Ames, Iowa, 1958.

GREECE:

"Alarma en Grecia ante la Competencia Pesquera Japonesa" (Greek Concern over Japanese Fishery Competition), by E. Simos, article, <u>Puntal</u>, vol. 7, no. 70, January 1960, p. 20, printed in Spanish. Puntal, Ramon y Cajal, 3, Apartado 316, Alicante, Spain.

HONG KONG:

Hong Kong Annual Departmental Reports by the Director of Agriculture, Fisheries & Forestry (for the Financial Year 1958/59), 102 pp., illus., printed, HK\$4 (about 70 U. S. cents). Government Press, Java Road, Hong Kong. Contains the annual reports of the various divisions of the Department of Agriculture, Fisheries, and Forestry. Included in the report of the Fisheries Division is a review of its activities during the year, which were directed chiefly to the marine fisheries and mechanization of the fleet, fishery investigations, fisheries education, fresh-water fisheries, loans to fish farmers, and oyster and pearl culture. Statistical data are included on mechanization of new vessels during 1958/59, landings and value of fish landed in Hong Kong, and other pertinent information.

Hong Kong Annual Departmental Reports by the Registrar of Co-Operatives and Director of Marketing (for the Financial Year 1958/59), 47 pp., illus., printed, HK\$3,50 (about 61 U. S. cents). Government Press, Java Road, Hong Kong. Discusses the cooperative societies, credit facilities, and marketing organizations provided in the Colony for the fishermen and farmers. The section covering the Governmentsponsored Fish Marketing Organization includes information on legislation; species of fish marketed and exported; the mechanized fishing fleet; wholesale markets; the marketing of shrimp; transportation of fish; education of fishermen and their children; and financial assistance to fishermen.

IMPORTS:

United States Imports of Merchandise for Consumption (Commodity by Country of Origin), Calendar Year 1959, Report No. FT 110, 193 pp., processed, \$1. Bureau of the Census, U. S. Department of Commerce, Washington, D. C., April 1960. (For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.) The import statistics include government as well as nongovernment shipments of merchandise (including fish, shellfish, and fishery byproducts) from foreign countries.

ISRAEL:

Fishermen's Bulletin, vol. 3, no. 3 (23), March 1960, 36 pp., illus., printed in Hebrew with English abstracts. Fishermen's Bulletin, Ministry of Agriculture, Division of Fisheries, Sea Fisheries Research Station, P. O. B. 699, Haifa, Israel. Contains, among others, articles on "Exploratory Trawling in the Neighborhood of Cyprus," by A. Ben-Tuvia, O. H. Oren, and M. Ben-Yami; "Sardinella Fishery During the Year 1959 and the Forecast for the Year 1960," by A. Ben-Tuvia; "Underwater Television and Fisheries," by E. Gottlieb; "A Motor-Boat for Sardine Fishing," by J. Bejerano; and "The Kishon Fishing Harbour," by Z. Fried.

ITALY:

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 - The following processed reports are available from the United Nations, New York, N. Y., distribution limited:
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 - A/CONF.19/C.1/L.2., Mexico: proposal to the Committee of the Whole, 4 pp., March 21, 1960.
 - A/CONF.19/C.1/L.3., USA: proposal to the Committee of the Whole, 4 pp., March 23, 1960.
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- "Notes on the Food of the Young of Three Species of Pacific Salmon in the Sea," by Murvel E. Annan, article, The Canadian Fish <u>Culturist</u>, no. 23, pp. 23-25, printed. The Canadian Fish Culturist, Department of Fisheries, Ottawa, Canada.
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- "Variations in the Plasma-Level of Chloride in Hatchery-Reared Yearling Atlantic Salmon

During Parr-Smolt Transformation and Following Transfer into Sea-Water," by Arthur H. Houston, article, <u>Nature</u>, vol. 185, no. 4713, February 27, 1960, pp. 632-633, illus., printed. Nature, MacMillan & Co., Ltd., St. Martin's St., London WC2, England. This study tends to support the conclusions of Koch, Evans, and Bergstrom based upon sodium regulation in Atlantic salmon parr and smolt. A loss of regulatory capacity occurs while the fish become transformed from the fresh-water adapted parr stage to the potentially marine smolt stage, while adaptation to seawater appears to be dependent upon both size and stage.

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