

RECENT FISHERY PUBLICATIONS

Recent publications of interest to the commercial fishing industry are listed below.

FISH AND WILDLIFE SERVICE PUBLICATIONS

THESE PROCESSED PUBLICATIONS ARE AVAILABLE FREE FROM THE DIVISION OF INFORMATION, U. S. FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C. TYPES OF PUBLICATIONS ARE DESIGNATED AS FOLLOWS:

CFS - CURRENT FISHERY STATISTICS OF THE UNITED STATES AND ALASKA.
 FL - FISHERY LEAFLETS.
 MDL - MARKET DEVELOPMENT SECTION LISTS OF DEALERS, LOCKER PLANTS, ASSOCIATIONS, ETC.
 SEP.- SEPARATES (REPRINTS) FROM COMMERCIAL FISHERIES REVIEW.
 SSR.-FISH. - SPECIAL SCIENTIFIC REPORTS--FISHERIES (LIMITED DISTRIBUTION).

Number	Title
CFS-588	- Frozen Fish Report, November 1950, 10 p.
CFS-589	- Texas Landings, October 1950, 4 p.
CFS-590	- Maine Landings, September 1950, 4 p.
CFS-591	- Fish Meal and Oil, October 1950, 2 p.
CFS-592	- Massachusetts Landings, July 1950, 14 p.
CFS-593	- New England Fisheries, 1948 Annual Summary, 7 p.
CFS-594	- Alabama Landings, October 1950, 4 p.
CFS-595	- Florida Landings, September 1950, 2 p.
CFS-597	- Frozen Fish Report, December 1950, 10 p.
CFS-598	- Texas Landings, November 1950, 4 p.
CFS-599	- Maine Landings, October 1950, 4 p.
CFS-602	- Alabama Landings, November 1950, 4 p.
CFS-603	- Florida Landings, October 1950, 4 p.
FL-317	- The Japanese Long-Line Fishery for Tunas, 27 p.

Lists By States of Refrigerated Locker Plants (Revised):	
MDL-5 - Georgia, 5 p.	MDL-30- North Carolina, 3 p.
MDL-8 - Montana, 6 p.	MDL-32- New Mexico, 2 p.
MDL-11- New Hampshire, 2 p.	MDL-37- Connecticut, 2 p.
MDL-15- Mississippi, 3 p.	MDL-38- Delaware, 1 p.
MDL-21- New Jersey, 2 p.	MDL-53- Nevada, 1 p.

Sep. 261 - The Technological Section Aids the Fisheries.
 Sep. 262 - Utilization of Salmon Eggs for Production of Cholesterol, Lipide, and Protein.

Number	Title
Sep. 263	- Feeding Studies with the Gum of <u>Gracillaria Confervoides</u> and Carboxymethylcellulose.
Sep. 264	- Studies on Analytical Methods of Extracting Vitamin A and Oil from Fishery Products--Part IV - Experiments on the Extraction of Low-Oil-Content Livers with Acetone, Ethyl Ether, and Petroleum Ether.
Sep. 265	- A Chemical Evaluation of Tuna-Liver and Beef-Liver Meals Prepared by Different Methods.
Sep. 266	- Technical Note No. 5 - "Pink Yeast" Isolated from Oysters Grows at Temperatures Below Freezing.
Sep. 267	- Technical Note No. 6 - Vitamin A Potencies of Liver Oils of Bering Sea Cod and Flounder.
Sep. 268	- Technical Note No. 7 - Results of Some Tests with Frozen Lobsters and Lobster Meat.
Sep. 269	- Feeding Value of Fish Meals.
FL-383	- Oyster Culture in Japan, by A. R. Cahn, 80 p., illus., processed. (See <u>Commercial Fisheries Review</u> , October 1950, p. 83 for abstract.)
SSR-Fish. No. 33	- <u>Results of Encouragement for the Development of Albacore Fishing Grounds in 1939</u> , 175 p., illus., 1950.

ARTICLES BY FISH AND WILDLIFE SERVICE AUTHORS IN OTHER PUBLICATIONS

"An Improved Method of Glazing Fish for Locker Storage," by S. R. Pottinger, Quick Frozen Foods and The Locker Plant, November 1950, vol. XIII, no. 4, pp. 120, 122.

Quick Frozen Foods, 82 Wall Street, New York, N. Y. (This article will be issued by the U. S. Fish and Wildlife Service as a fishery leaflet in the near future.)

MISCELLANEOUS PUBLICATIONS

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

"Air Express Vs. Railway Express (A Comparison of Freshness of Fishery Products)," by William B. Lanham, Jr., article, Air Transportation, August 1950, vol. 17, no. 2, pp. 10-1, 21-4; September 1950, vol. 17, no. 3, pp. 7-8, 30-2; illus., printed. Import Publications, Inc., New York 4, N. Y., annual subscription \$5.00. A report on a number of trial air shipments conducted during December 1946 and February, March, and April 1947 by the U. S. Fish and Wildlife Service in order to determine whether or not the savings in transportation time made possible by using air express would be reflected in the delivery of fresher fish and shellfish. Included in the articles is a discussion of packaging, railway shipping containers, air shipping containers, proper packaging for air shipments; and tables giving temperature and related data for air shipments of fish from Florida to College Park, Md., and degree of difference in freshness of comparable samples of fish as expressed by a taste panel. In his conclusion, the author states that "the ideal solution to the problems of packaging for air transport would seem to be a refrigerated cargo space in the plane to provide temperature control to maintain lower temperature in the product and some type of water-tight container to prevent damage from leakage. Until planes with such equipment are in common usage, however, special packaging seems to be the most satisfactory solution. Also, "there was no discernible difference in the appearance of the fish shipped by air transport and those shipped by railway express. Very few fish had bruises and these were found in both types of shipment. There was no apparent leaching of color of any of the fish," the author concluded.

(Alaska) 1949 Annual Report, Report No. 1, 40 p., printed, illus. Alaska Fisheries Board and Alaska Department of Fisheries, Juneau, Alaska, 1950. This report, the first annual report of the Alaska Fisheries Board (created by the 19th Territorial Legislature and approved March 21, 1949), is a resume of activities of the Department for 1949. The report contains statistics on the number of salmon canneries and pack (1878-1949); comparative values of canned salmon by species (1905-1949); and production (quantity and value) of 25 Alaskan fishery products (1936-47). In addition to a history of the salmon canneries in southeastern Alaska from 1878 through 1949, the report contains the Act creating the Alaska Department of Fisheries, a discussion of inspection and stream improvement, a financial statement, and a discussion of the plans of the Department and its future outlook.

Congres International D'Etude sur Le Role du Poisson dans L'Alimentation (International Study Congress on the Role of Fish in Nutrition)--held at Paris, October 26-28, 1950, 548 p., illus. Institut Oceanographique, 195 Rue Saint-Jacques, Paris, France, 1950. Papers and discussions presented at this meeting were divided into four main subjects:

(1) Nutritional value of fish; (2) Nutritional and industrial use of fish; (3) Fish in the economy of France; and (4) Fish distribution. Among the papers presented under (1) were: Fishery Products and Their Nutritional Value; The Principal Vitamins in Fish; The Mineral Elements in Fish; and The Role of Fish in Dietetics. Under (2) there were, among others, the following papers: Salting, Smoking, and Dehydration of Fish; Evolution and Recent Progress in the Preservation of Fish in France; Refrigeration in the Norwegian Fishery Industry; Composition and Utilization of Fish Solubles; and Fish Meals and Their Utilization in the Animal Nutrition. For (3), some of the papers presented dealt with: Price of Fish; The Role of Fish in the School Lunchrooms; and Fish in Army Nutrition. The papers presented under (4) were concerned with transportation of fish; market development, fish publicity, and increasing the consumption of fish in the various European countries.

(ECA) Ninth Report to Congress of the Economic Cooperation Administration (For the Quarter Ended June 30, 1950), 167 p., printed, 40 cents. Economic Cooperation Administration, Washington, D. C., November 1950. (For sale by Superintendent of Documents, Washington 25, D. C.) Reports on the activities under the Economic Cooperation Act of 1948 as well as the programs of economic aid to Korea and the general area of China. Edible fishery products are specifically listed as a group in some of the tables contained in this publication.

Food Consumption Trends in Birmingham, Ala., 1935, 1946, & 1948, (1948 Food Consumption Surveys, Special Report No. 1), 19 p., processed. Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, U. S. Department of Agriculture, Washington, D. C., October 1950. This report presents some of the findings of a comparison of a food consumption (including fishery products) study made in 1948 by the Bureau of Human Nutrition and Home Economics with income and expenditure studies made in Birmingham by the Bureau of Labor Statistics. The comparison covers estimates of one week's food consumption in the winters of 1935, 1946, and 1948. In analyzing the data collected on fishery products, the report points out that "in 1935 fresh and canned fish were less expensive than poultry and most meats and represented about one-tenth of total consumption. By 1946, when most of these items were no longer cheap substitutes for meat and poultry, consumption was lower than in 1935. However, by 1948, with prices of so many meats above those of some sea foods, more fish and other sea food items were used than in either 1935 or 1946."

"Food Poisoning," by Victor C. Vaughan, The Scientific Monthly, vol. LXXI, No. 3, pp. 155-61, printed. American Association for the Advancement of Science, Washington 5, D. C., single copies 75 cents. This article briefly discusses the various aspects of

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food poisoning. The subjects covered include mussel poisoning, fish poisoning, meat poisoning, milk poisoning, and a general review of canned foods.

France--Directory of Importers, ECA Financed Commodities, 114 p., printed. Economic Cooperation Administration - Special Mission to France (Available from Office of Information, Economic Cooperation Administration, Washington 25, D. C., August 1950). This directory contains the names and addresses of firms which have been given licenses by the French Government to import commodities financed by the Economic Cooperation Administration during the period September 1949-March 1950. Firms are listed by type of commodities purchased. Among the categories of commodities included are food, feed, and fertilizers.

(International Commission on Whaling) First Report of the Commission (Covering the first fiscal year 1st June, 1949 to 31st May, 1950), 31 p., printed, International Whaling Commission, London, England, 1950. This is the first report of the Commission and includes a list of its members; the text of the International Convention for the Regulation of Whaling (1946); the Schedule to the Convention as amended at the Commission's first meeting; list of commissioners, etc., attending the first meeting; agenda for the first meeting; rules of procedure; resolutions passed at the first meeting; amendments to Schedule made at first meeting; and income and expenditure account for the year ended May 31, 1950.

International Whaling Statistics (XXIII), 65 p., printed, kr. 2.00 (approx. 30 cents). The Committee for Whaling Statistics, Oslo, Norway, 1950. Statistics for the Antarctic season 1947-48 and for the whaling on other grounds in 1948 are shown in this publication. Except for the U.S.S.R. floating factory Aleut and the whale oil production of two Brazilian shore stations, complete information about all whaling activities in Antarctic waters during the season 1947-48 and on other grounds in 1948 are included. Also included are tables giving the whaling results of the various countries separately.

Packaging in Germany During the Period 1939-1945, by Miss A. E. Wiegand, B. I. O. S. Surveys, Report No. 31, 61 p., illus., 2s. Od. net (approx. 30 cents). Published for the British Intelligence Objectives Sub-Committee by His Majesty's Stationery Office, P. O. Box 569, London, S. E. 1, England, 1950. Included in this report is a discussion of paper, board, parchment, films, foils, and plastics used for packaging in Germany; and metal and glass containers. In addition, textiles, adhesives, and adhesive tapes for containers; rot- and fire-proofing, and corrosion prevention; food packaging; and filling machinery are additional subjects covered by the report. Metal containers used to pack fishery products are mentioned in several instances.

Production and Yield of the Oyster Canning Industry of South Carolina, by Robert Lunz, Contributions from Bears Bluff Laboratories No. 9, 14 p., printed,

illus. Bears Bluff Laboratories, Wadmalaw Island, S. C., May 1950. Oyster production by the three major canning factories in South Carolina for the past 23 years is analyzed in this report. The author reports that oyster production by these canneries has gradually increased from slightly less than 250,000 bushels in 1926-27, to a high of 650,000 bushels in 1939-40, dropped to an almost all-time low in 1944-45, and again increased in 1948-49 to a point somewhat above the average production for the 23 years. However, the yield of meat in ounces from a bushel of oysters has more or less steadily declined, reaching in the 1948-49 season an all-time low of 27.9 ounces per bushel. Included is a discussion of production; economic conditions affecting the fluctuations in oyster harvests; the decline in oyster yields; causes for the decline; shell planting; depletion; and oyster diseases.

"The Sardine Season of 1950," article, Trade News, October 1950, vol. 3, no. 4, pp. 9-11, illus., processed. Department of Fisheries, Ottawa, Canada. A report on the Canadian east coast sardine season for 1950.

Seals of the Canadian East Coast, by H. D. Fisher, General Series, No. 18, 4 p., illus., printed. Atlantic Biological Station, Fisheries Research Board of Canada, St. Andrews, N. B., Canada, September 1950. The resident and migratory species of seals found on the Canadian east coast are described in this leaflet.

Some Aspects of Food Refrigeration and Freezing, FAO Agricultural Studies No. 12, 215 p., illus., printed, \$2.00. Food and Agriculture Organization of the United Nations, Washington, D. C., November 1950. This book is a comprehensive outline of current knowledge in various fields of field refrigeration and freezing (including fishery products), which has particular application in Europe, and which is in general applicable to all parts of the world. Recognizing the importance of refrigeration in the preservation of fruit, vegetables, dairy, fishery products, and other food products, and the interest of many European countries in further developments in this field, FAO held a meeting in Copenhagen, Denmark, October 11-23, 1948, to which all European countries were invited to send their specialists in food refrigeration and freezing to exchange information on new developments in these fields. Approximately 100 workers attended from 13 countries. Papers presented at that meeting have been used as the main source of material for this publication. Included in the publication are discussions of the principles of refrigeration; production and use of ice; household refrigerators, home freezers, and locker plants; construction of cold storage plants; refrigerating machinery; methods and apparatus for commercial freezing; packaging materials and machinery; judging flavor, color, and texture of food; plant sanitation; chilled and frozen foods; transportation of chilled and frozen foods in Europe; and marketing frozen foods in Europe. Under the discussion of chilled and frozen foods, fishery products are specifically mentioned. Sections dealing with chilled and frozen lean fish, fatty fish, and

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frozen shellfish are included. These sections review the chilling, freezing, and practical freezing problems; rancidity in frozen herring; fundamental characteristics of herring oil; the effect of catalysts, common salt, glazing, and drying; and the freezing of shrimp, lobster, mussels, and oysters.

Statutory Net-Content Marking Requirements for Packages (Undefined) and Packages of Foods, Drugs, and Cosmetics, NBS Circular 503, by Kathryn M. Schwarz and Ralph W. Smith, 8 p., printed, 5 cents. National Bureau of Standards, U. S. Department of Commerce, Washington, D. C. (For sale by Superintendent of Documents, Washington 25, D. C.). Presented in this pamphlet is a summary and tabulation of statutory requirements for net-content declarations on packages in general and on packages of foods, drugs, and cosmetics in particular. It is based upon the latest available statutes of the United States and of the States, Territories, District of Columbia, and organized island possessions of the United States. Requirements of city ordinances are not included.

Supplement for 1949 to Consumption of Food in the United States, 1909-48, 41 p., processed. Bureau of Agricultural Economics, U. S. Department of Agriculture, Washington, D. C. (September 1950). This supplement contains revisions for the tables published in the Consumption of Food in the United States, 1909-48, Miscellaneous Publication No. 691, as well as comparable data for 1949. In general, only the revised data are carried in the tables found in this supplement. Fishery products, broken down into various separate categories, are included among the many food items covered.

Trieste Importers, 16 p., printed. Office of Information, Economic Cooperation Administration, Washington, D. C., 1950. Trieste importers and the commodities in which they specialize are listed in this publication. Included are importers of canned foodstuffs, fishing tools, sponges, and stockfish.

United States Import Duties (1950), (Including Special and Administrative Provisions of the Tariff Act, as Amended), Miscellaneous Series, TC 1. 10: Im 7/4/950, 372 p., \$2.00. U. S. Tariff Commission, Washington, D. C. (For sale by Superintendent of Documents, Washington 25, D. C.). This publication contains schedules of articles subject to duty and of articles free of duty as of July 1, 1950, and special and administrative provisions of the Tariff Act, as amended as of July 1, 1950. Section I represents a restatement of the dutiable and the free lists of the Tariff

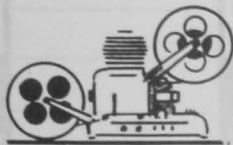
Act showing rates of ordinary customs duties (including free rates and import-tax rates) in tabular schedule form, and information as to special and additional duties and special exemptions which are provided for elsewhere than in the dutiable or free lists of the Tariff Act. Many of the rates specified in the Tariff Act of 1930 and many of the import-tax rates subsequently imposed have been changed by Presidential proclamations and a few by direct Congressional amendments. Changes by the former method were made either under section 336 of the Tariff Act (the so-called flexible-tariff provisions), or in pursuance of reciprocal trade agreements entered into under the Trade Agreements Act enacted on June 12, 1934, and thereafter amended at various times. These changes in duties are reflected in Section I. In Section II are set forth the special and administrative provisions of the Tariff Act, as amended up to the date of this publication, and includes all the amendments made by the Customs Administrative Act of 1938 and other Congressional enactments.

Supplement 1 to United States Import Duties (1950) 46 p., processed. U. S. Tariff Commission, Washington, D. C., December 1950. This is the first supplement to United States Import Duties (1950), bringing that publication up to date. The original document, released in August 1950, showed all United States import duties in effect on July 1, 1950. Most of changes in duty since that date result from the withdrawal (effective December 11, 1950) of certain tariff concessions originally negotiated with China in the General Agreement on Tariffs and Trade and from the termination (effective at the close of December 31, 1950) of the trade agreement between the United States and Mexico. (This supplement is free to persons who have already purchased or to new purchasers of the original document.)

Trade Lists

The Commercial Intelligence Branch, Office of International Trade, U. S. Department of Commerce, has published the following mimeographed trade list. Copies of this list may be obtained by firms in the United States from that office or from Department of Commerce field offices at \$1.00 per list.

Oils (Animal, Fish, and Vegetable)--Importers, Dealers, Producers, Refiners, and Exporters--Chile, 8 p., (November 1950); lists the name and address (and products handled) of Chilean importers, dealers, producers, refiners, and exporters of animal, fish, and vegetable oils.



MOTION PICTURE

The following motion picture is available only from the source given in listing.

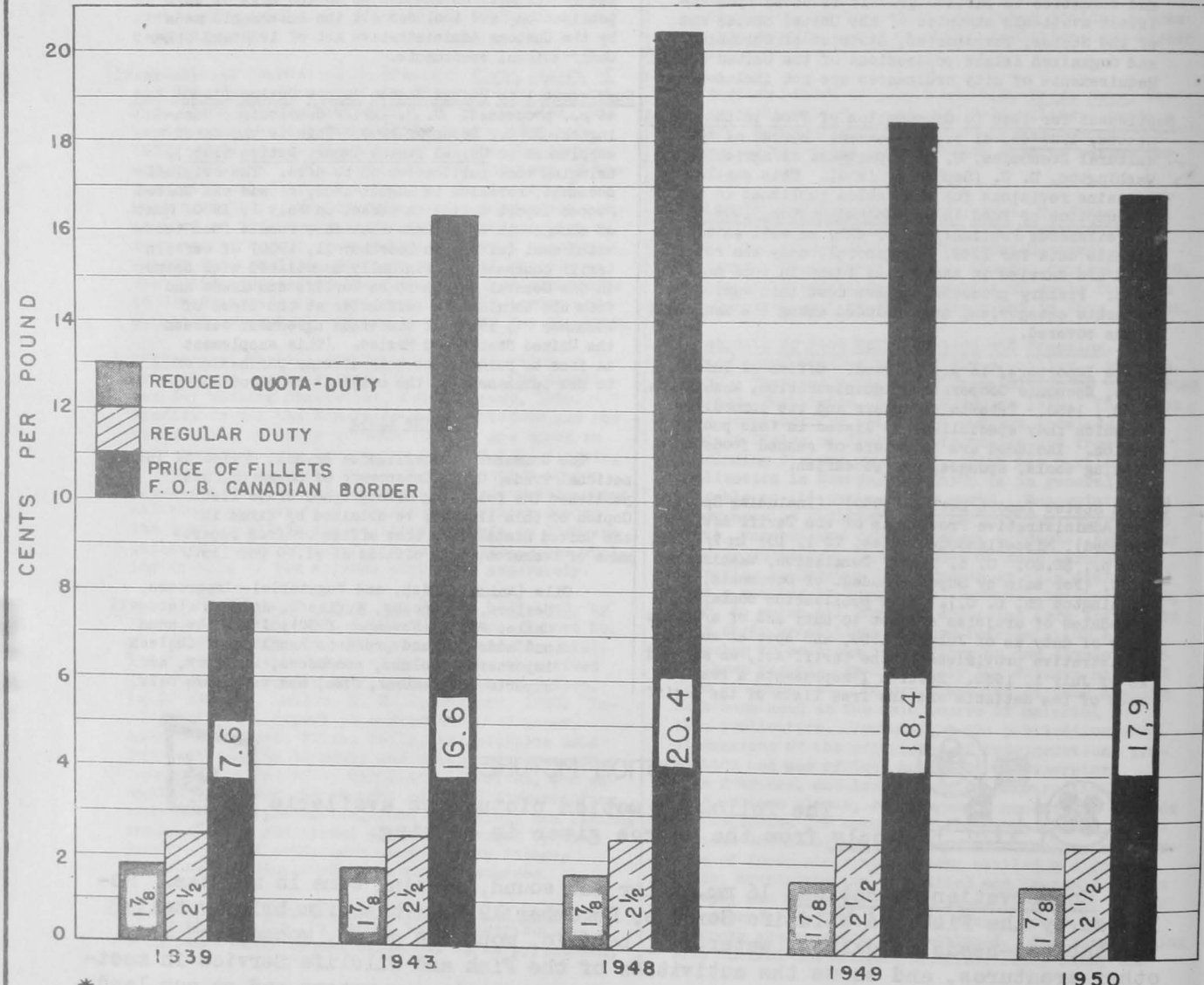


Conservation in Action, 16 mm. color and sound, running time 15 minutes. Released by the Fish and Wildlife Service, December 1950. This film briefly tells the habitat-needs of salmon, waterfowl, buffalo, mountain goats, moose, and many other creatures, and shows the activities of the Fish and Wildlife Service in meeting these needs and managing the renewable resources in our waters and on our lands. Application for bookings should be made to the DIVISION OF INFORMATION, FISH AND WILDLIFE SERVICE, WASHINGTON 25, D. C. Requests for booking the film should be made

as far in advance as possible. Requests will be handled in order of receipt. Each request should indicate clearly the address to which the shipment is to be made. Shipments are usually made by express, the borrower paying transportation charges both ways, but there is no charge for the use of the film.



RELATIONSHIP OF DUTIES AND IMPORT PRICES OF FRESH AND FROZEN FILLETS, 1939, 1943, 1948, 1949, 1950*



* Based on 9 months.