

COMMERCIAL FISHERIES REVIEW



A review of developments and news of the fishery industries prepared in the BRANCH OF COMMERCIAL FISHERIES

A. W. Anderson, Editor F. F. Johnson, Associate Editor J. Pileggi and J. J. O'Brien, Assistant Editors

Mailed free to members of the fishery and allied industries. Address correspondence and requests to the: Director, Fish and Wildlife Service, U. S. Department of the Interior, Washington 25, D. C.

Publication of material from sources outside the Service is not an endorsement. The Service is not responsible for the accuracy of facts, views, or opinions contained in material from outside sources.

Although the contents of this publication have not been copyrighted and may be reprinted freely, reference to the source will be appreciated.

The printing of this publication has been approved by the Director of the Bureau of the Budget, November 5, 1952.

CONTENTS

COVER: Deep-sea (offshore) otter trawler operating in the North Atlantic groundfish and ocean perch fisheries. At Massachusetts ports in 1953 a total of 232 of these otter trawlers (70 large, 162 medium) landed 5,231 trips with a total catch of 277 million pounds, mostly haddock, ocean perch, and cod. The Service's experimental vessel <u>Delaware</u> is a large trawler converted to freeze the catch at sea (see page 1 of this issue).

	Page
Freezing Fish at SeaNew England: Part 8 - Some Factors Affecting the Salt (Sodium Chloride) Content of	
Haddock During Brine-Freezing and Water-Thawing, by J. Holston and S. R. Pottinger	1

	* * * * *
	Page . Pag
RESEARCH IN SERVICE LABORATORIES:	12 TRENDS AND DEVELOPMENTS (Contd.):
Fishery Technological Research Program	12 South Carolina:
Progress on Fiscal Year 1954 Fishery Research	Menhaden Industry Needs Development 35
Projects	12 U. S. Canned Packs of Selected Fishery Products,
Reports by the Technological Section during Fiscal	1953: 37
Year 1954	20 Fish Roe and Caviar, 1953
Research Program for Fiscal Year 1955	U. S. Production of Selected Byproducts, 1953:
TRENDS AND DEVELOPMENTS:	27 Fresh-Water Mussel-Shell Products 38
Additions to the Fleet of U.S. Fishing Vessels	
Alaska:	Edible Fishery Products, April 1954 38
Salmon Restoration Program Launched	
California:	ucts Increase in 1954
More Yellowtail Tagged by Yellowfin (Cruise	Wholesale Prices, June 1954
54-Y-5)	28 FOREIGN:
CansShipments for Fishery Products, January-	International:
April 1954	28 International Pacific Salmon Fisheries Com-
Cooperative Federal-State Striped Bass Research.	29 mission:
Great Lakes Fishery Investigations:	Fraser River Sockeye Salmon 1954 Regula-
Trawl Fishing for Chubs Tested in Lake Michigan	tions 42
by Cisco (Cruises I and II)	29 North Pacific Fisheries Commission:
Gulf Exploratory Fishery Program:	Biology and Research Committee Meets in
Yellowfin Tuna Discovered in Gulf by Oregon	Tokyo
(Cruise 23)	30 Northwest Atlantic Fisheries Commission:
North Pacific Exploratory Fishing Program:	Fourth Annual Meeting Scheduled 43
Summer Commercial Fishing Exploration in	Trade Agreements:
Prince William Sound by John N. Cobb (Cruise	Norwegian-Argentine Agreement Includes
20)	32 Dried Cod
Pacific Oceanic Fishery Investigations:	Food and Agriculture Organization:
Halibut Vessels Fish for Tuna Near Equator	32 Fish Marketing Training Center in Hong Kong 44
Good Tuna Fishing Reported and New Long-Line	Turkey Becomes Member of Mediterranean
Gear Tested in Line Islands Area by John R.	Fisheries Council
Manning (Cruise 20)	32 International Pacific Halibut Commission:
Tuna Schools Plentiful in Hawaiian Area Reports	Areas 3A and 3B Closed July 12 61
Hugh M. Smith (Cruise 26)	33 Belgium:
Two-Vessel Expedition Catches 107 Tons of Tuna	Canned Fish Imports, 1953 44
in Central Pacific Area (North American and	Canada:
Alrita, 2nd Concurrent Cruises)	Shrimp Held in Refrigerated Sea Water 45
Research on Poisonous Fish	35 Shrimp Held in Refrigerated Sea Water 45

CONTENTS, CONTINUED

Page PREIGN (Contd.): Canada (Contd.): Canada (Contd.): Canada (Contd.): Union of South Africa: Fishery Inspection Standards Considered 46 Fisheries Marketing Operations 46 Exports of Fishery Products for 1953 and Outlook for 1954 47 Review of New Brunswick's Fisheries, 1953 48 Demmark: Marine-Oil Imports and Exports, 1953 50 Ecuador: U. S. Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Berling Sea 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season Netherlands: Fishing Fleet Modernization Planned 56 FOREIGN (Contd.): Union of South Africa: Oyster Culture Experiments Successful 59 United Kingdom: Fish Industry Record-Keeping Regulations 59 Fish Consumption, 1952/53-Correction 59 Fats and Oils Decontrolled 60 Northern Ireland Cans Crab Meat 60 U. S. S. R.: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Ountboard Motors and Diesel Engines 62 India Authorized to Buy Commodities for Fish and Wildlife Survey Team Report Approved 63 Japan: Outlook for Fisheries 62 India Authorized to Buy Commodities for Fish and Wildlife Survey Team Report Approved 63 Fish and Wildlife Service: Notice of Intention to Adopt Amendments to Alaska Commercial Fisheries Regulations 64 White House: President does not Accept Tariff Commission Recommendations on Groundfish Fillets 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: Chart 1 - Fishery Landings for Selected States 68 Chart 2 - Landings for Selected States 68 Chart 2 - Landings for Selected States 68
Fishery Inspection Standards Considered 46 Fisheries Marketing Operations 46 Fisheries Marketing Operations 46 Review of New Brunswick's Fisheries, 1953 48 Demark: Marine-Oil Imports and Exports, 1953 50 Ecuador: U. S. Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Idealand: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna-Tagging Program 54 Tuna-Tagging Program 54 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Berling Sea 54 Sardine Canning Regulations 55 Netherlands: Fisheries Coulodor Fisheries 64 Markicci Whale-Oil Production, 1953/54 56 Netherlands: Governmendations on Groundfish Fillets 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: 68 Chart 1 - Fishery Landings for Selected States 68 Chart 1 - Fishery Landings for Selected States 68
Fishery Inspection Standards Considered 46 Exports of Fishery Products for 1953 and Outlook for 1954 47 Review of New Brunswick's Fisheries, 1953 48 Denmark: Marine-Oil Imports and Exports, 1953 50 Ecuador: U, S, Firm Granted Ten-Year Fishing Rights 51 Finland: Fisheries Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Oyster Culture Experiments Successful 59 United Kingdom: Fish Industry Record-Keeping Regulations 59 Frish Consumption, 1952/53Correction 59 Fats and Oils Decontrolled 60 Northern Ireland Cans Crab Meat 60 U, S, S, R: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Marine Diesel Engines 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Com
Exports of Fishery Products for 1953 and Outlook for 1954
look for 1954 Review of New Brunswick's Fisheries, 1953 Review of New Brunswick's Fisheries, 1953 Bemark: Marine-Oil Imports and Exports, 1953 U, S, Firm Granted Ten-Year Fishing Rights Finland: Fishery Products Consumption, 1952/53 Fishery Products Consumption, 1952/53 Frence: Fisheries Problems Fish Meal and Oil Production, 1953 Foreign Operations Administration: Formosa Authorized to Buy Marine Diesel Engines Formosa Authorized to Buy Outboard Motors and Diesel Engines Indonesia Authorized to Buy Commodities for Fish Meal and Oil Production, 1953 Foreign Operations Administration: Formosa Authorized to Buy Outboard Motors and Diesel Engines Indonesia Authorized to Buy Commodities for Fish and Wildlife Survey Team Reports Alaska Survey Team Report Approved G3 Fish and Wildlife Survey Team Report Approved G3 Fish and Wildlife Service: Appropriations Include Funds for International Fisheries Commissions Alaska Commercial Fisheries Regulations Alaska Commercial Fisheries Regulations Fisheries Commissions Alaska Commercial Fisheries Regulations Appropriations Include Funds for International Fisheries Commissions Appropriations Formosa Authorized to Buy Marine Diesel Indonesia Authorized to Buy Commodities for Fisheries Development Alaska Survey Team Report Approved Alaska Commercial Fisheries Regulations Department of State: Appropriations Include Funds for International Fisheries Commissions Appropriations Include Funds for International Fisheries Commissions Accept Tariff Commission Recommendations on Groundfish Fillets Appropriations Formosa Authorized to Buy Marine Diesel Engines Alaska Survey Team Report Approved Alaska Commercial Fisheries Regulations Alaska Commercial Fisheries Regulations Alaska Commercial Fisheries Regulations Alaska Commercial Fisheries Regulations Alaska Commercial Fisheri
Review of New Brunswick's Fisheries, 1953
Review of New Brunswick's Fisheries, 1953 48 Denmark: Marine-Oil Imports and Exports, 1953 50 Ecuador: U. S., Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 51 Coultook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Camery 54 Tuna-Tagging Program 54 Tuna-Tagging Program 54 Tuna-Tagging Program 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season Netherlands: Fish Consumption, 1952/53-Correction 59 Fats and Oils Decontrolled 60 Northern Ireland Cans Crab Meat U. S. S. R.: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Marine Diesel Engines 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Lakaka Survey Team Report Approved 63 Fish and Wildlife Survey Team Report Appr
Marine-Oil Imports and Exports, 1953. 50 Ecuador: U. S., Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna-Tagging Program 55 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Berlng Sea 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season 56 Netherlands: Fats and Oils Decontrolled 60 Northern Ireland Cans Crab Meat 60 U. S. S. R.: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: 62 Foreign Operations Administration: Formosa Authorized to Buy Outboard Motors and Diesel Engines 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Alaska Survey Team Report Approved 63 Fish and Wildlife Service: Notice of Intention to Adopt Amendments to Alaska Commercial Fisheries Regulations 63 Department of State: Appropriations Include Funds for International Fisheries Commission 64 White House: President does not Accept Tariff Commission Recommendations on Groundfish Fillets 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: 68
Northern Ireland Cans Crab Meat 60 Ecuador: U. S. Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna Mothership Returns from Indian Ocean 54 Tuna Mothership Returns from Indian Ocean 54 Sardine Canning Regulations 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season 56 Netherlands: Northern Ireland Cans Crab Meat 60 U. S. S. R.: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Octobroized to Buy Commodities for Fisheries Commoditi
Ecuador: U. S. Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 51 France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna-Tagging Program 54 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Berling Sea 54 Sardine Canning Regulations 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season 56 Netherlands: U. S. S. R.: Trawlers Fish on Grand Banks 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Overlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Overlopment 54 Indonesia Authorized to Buy Commodities for Fish and Wildlife Survey Team Reports 62 Indonesia Authorized to Buy Commodities for Fisheries Overlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Overlopment 54 Indonesia Authorized to Buy Commodities for Fish and Wildlife Survey Team Report Approved 63 Indonesia Authorized to Buy Commodities for Fisheries Overlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 54 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 62 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 62 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 62 Indonesia Authorized to Buy Commodities for Fisheries Coverlopment 62 Indonesia
U. S. Firm Granted Ten-Year Fishing Rights 51 Finland: Fishery Products Consumption, 1952/53 . 51 France: Fisheries Problems . 51 French Morocco: Fish Meal and Oil Production, 1953 . 52 Greenland: New Construction at Faringehavn Fisheries Harbor . 53 Iceland: Outlook for Fisheries . 53 Japan: More Tuna Vessels Fish for American Samoa Cannery . 54 Tuna-Tagging Program . 54 Tuna Mothership Returns from Indian Ocean . 54 Research Expedition to Investigate Bottom Fish in Eastern Bering Sea . 54 Sardine Canning Regulations . 54 Antarctic Whale-Oil Production, 1953/54 . 56 Mexico: Spiny Lobsters May be Sold During Closed Season Netherlands: 51 Trawlers Fish on Grand Banks . 61 FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Marine Diesel Engines . 62 India Authorized to Buy Commodities for Fisheries Development . 62 Indonesia Authorized to Buy Commodities for Fisheries Development . 62 Alaska Survey Team Report Approved . 63 Fish and Wildlife Service: Notice of Intention to Adopt Amendments to Alaska Commercial Fisheries Regulations . 63 Department of State: Appropriations Include Funds for International Fisheries Commissions . 64 Mitte House: President does not Accept Tariff Commission Recommendations on Groundfish Fillets . 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: . 68
Finland: Fishery Products Consumption, 1952/53 . 51 France: Fisheries Problems . 51 French Morocco: Fish Meal and Oil Production, 1953 . 52 Greenland: New Construction at Faringehavn Fisheries Harbor . 53 Iceland: Outlook for Fisheries . 53 Japan: More Tuna Vessels Fish for American Samoa Cannery . 54 Tuna-Tagging Program . 54 Tuna Mothership Returns from Indian Ocean . 54 Tuna Mothership Returns from Indian Ocean . 54 Sardine Canning Regulations . 54 Antarctic Whale-Oil Production, 1953/54 . 56 Mexico: Spiny Lobsters May be Sold During Closed Season Netherlands: FEDERAL ACTIONS: Foreign Operations Administration: Formosa Authorized to Buy Outboard Motors and Diesel Engines . 62 India Authorized to Buy Commodities for Fisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Commodities for Pisheries Development . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Diesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Piesel Engines . 62 Indonesia Authorized to Buy Outboard Motors and Piesel Engines . 62 Indonesia Authorized to Buy Outboard Mo
France: France: France: Fisheries Problems Fish Meal and Oil Production, 1953 Greenland: New Construction at Faringehavn Fisheries Harbor Iceland: Outlook for Fisheries More Tuna Vessels Fish for American Samoa Cannery Tuna-Tagging Program Cannery Tuna Mothership Returns from Indian Ocean Research Expedition to Investigate Bottom Fish in Eastern Berling Sea Sardine Canning Regulations Antarctic Whale-Oil Production, 1953/54 Mexico: Spiny Lobsters May be Sold During Closed Season Netherlands: Foreign Operations Administration: Formosa Authorized to Buy Marine Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 Indonesia Authorized to Buy Commodities for Fisheries Development 63 Alaska Survey Team Report Approved 63 Alaska Commercial Fisheries Regulations 63 Department of State: Appropriations Include Funds for International Fisheries Commission Recommendations on Groundfish Fillets 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: 68 Chart 1 - Fishery Landings for Selected States 68
France: Fisheries Problems 51 French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Bering Sea 54 Sardine Canning Regulations 55 Mexico: Spiny Lobsters May be Sold During Closed Season 56 Netherlands: Formosa Authorized to Buy Marine Diesel Engines 62 India Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 Antarcrized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Outboard Motors and Diesel Fisheries Development 62 India Authorized to Buy Outboard Motors and Diesel Fisheries Development 62 India Authorized to Buy Outboard Motors and Diesel Fisheries Development 62 India Authorized to Buy Outboard Motors and Diesel Fisheries Development 62 India Authorized to Buy Outboard Motors and Diesel Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Development 62 India Authorized to Buy Commodities for Fisheries Ceanding Authorized to Buy Commodities for Fisheries Ceandines and thorized to Buy Commodities for Fisheries Ceandines for Fisheries Ceandines for Fisheries Ceandines for Fisheries Ceandines for Season 62 India Authorized to Buy Commodities for Fisheries Ceandines for Fisheries
French Morocco: Fish Meal and Oil Production, 1953 52 Greenland: New Construction at Faringehavn Fisheries Harbor 53 Iceland: Outlook for Fisheries 53 Japan: More Tuna Vessels Fish for American Samoa Cannery 54 Tuna-Tagging Program 54 Tuna Mothership Returns from Indian Ocean 54 Research Expedition to Investigate Bottom Fish in Eastern Bering Sea 54 Sardine Canning Regulations 54 Antarctic Whale-Oil Production, 1953/54 56 Mexico: Spiny Lobsters May be Sold During Closed Season 56 Netherlands: Engines 1 India Authorized to Buy Outboard Motors and Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 And Diesel Engines 62 India Authorized to Buy Commodities for Fisheries Development 62 And Wildlife Survey Team Report Approved 63 Fish and Wildlife Service: Notice of Intention to Adopt Amendments to Alaska Commercial Fisheries Regulations 63 Department of State: Appropriations Include Funds for International Fisheries Commissions 64 White House: President does not Accept Tariff Commission Recommendations on Groundfish Fillets 64 Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS: 68 Chart 1 - Fishery Landings for Selected States 68
French Morocco: Fish Meal and Oil Production, 1953
Fish Meal and Oil Production, 1953
Indonesia Authorized to Buy Commodities for Fisheries Department of the Interior: Sample
New Construction at Faringehavn Fisheries Harbor
Harbor
Iceland: Outlook for Fisheries
Outlook for Fisheries
Japan: More Tuna Vessels Fish for American Samoa Cannery
More Tuna Vessels Fish for American Samoa Cannery
Cannery
Tuna-Tagging Program
Tuna Mothership Returns from Indian Ocean
Research Expedition to Investigate Bottom Fish in Eastern Bering Sea
in Eastern Bering Sea
Sardine Canning Regulations
Antarctic Whale-Oil Production, 1953/54
Mexico: Eighty-Third Congress (Second Session), July 1954 65 Spiny Lobsters May be Sold During Closed Season 56 Netherlands: Eighty-Third Congress (Second Session), July 1954 65 FISHERY INDICATORS:
Spiny Lobsters May be Sold During Closed Season 56 Netherlands: FISHERY INDICATORS:
Netherlands: Chart 1 - Fishery Landings for Selected States 68
Fishing Fleet Modernization Planned 56 Chart 2 - Landings for Selected Fisheries 69
Poland: Chart 3 - Cold-Storage Holdings and Freezings of
New Liver-Oil Plant and Fish Cannery 56 Fishery Products 70
Portugal: Chart 4 - Receipts and Cold-Storage Holdings of
Marine-Oil Industry, 1953 57 Fishery Products at Principal Distribution Centers 71
South-West Africa: Chart 5 - Fish Meal and Oil Production - U. S.
Fisheries Trends 57 and Alaska
Spanish Morocco: Chart 6 - Canned Packs of Selected Fishery
Fishery Trends, 1953
Tunisia: Chart 7 - U. S. Fishery Products Imports 73
Sponge Production, 1953
Union of South Africa and South-West Africa: Fish and Wildlife Service Publications 74
Fish Meal and Oil Production, 1953 58 Miscellaneous Publications



Editorial Assistant -- Ruth V. Keefe

Illustrator -- Gustaf T. Sundstrom

Compositors--Jean Zalevsky, Betty Coakley, and Kathlyn Brophy

* * * * *

<u>Photograph</u> <u>Credits</u>: Page by page, the following list gives the source or photographer for each photograph in this issue. Photographs on pages not mentioned were obtained from the Service's file and the photographers are unknown.

Pp. 1, 4, 9, and 14--Staff of Fishery Technological Laboratory, U. S. Fish and Wildlife Service, Boston, Mass.; p. 16--J. A. Dassow; pp. 17 and 19--R. G. Schmidt; p. 44--T. Goraydowski and Assistants, Agriculture, Fisheries and Forestry Department, Kowloon, Hong Kong; p. 51--Food and Agriculture Organization, Rome, Italy; p. 61--E. P. Haddon; p. 82--Gustaf T. Sundstrom.