



COMMERCIAL FISHERIES REVIEW



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

Joseph Pileggi, Editor
G. A. Albano and H. Beasley, Assistant Editors

Address correspondence and requests to the: Chief, Fishery Market News Service, U. S. Bureau of Commercial Fisheries, 1815 North Fort Myer Drive, Room 510, Arlington, Va. 22209.

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

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

Use of funds for printing this publication has been approved by the Director of the Bureau of the Budget, May 1, 1963.

5/31/68

CONTENTS

COVER: Joseph & Lucia II, a new steel trawler operating out of Gloucester, Mass., is equipped with a number of safety features: (1) an 8-man inflatable liferaft; (2) skid-resistant surface on deck and on main winch platform; (3) guard rails on deck bollards; (4) forecandle escape hatch; (5) pneumatic controls on trawl winch; (6) level winder for trawl wire; and (7) pilothouse controls for main engine. Those are some of the leading safety features recommended for medium or large otter-trawl vessels. The 96-foot vessel, built early in 1965 by a shipyard in Somerset, Mass., is powered by a 680-horsepower diesel engine.

Page		Page	
1	..Distribution, Abundance, and Size of Sablefish (<u>Anoplopoma fimbria</u>) Found in Deep Water off the Mouth of the Columbia River, by Hiromu Heyamoto and Miles S. Alton		
9	..Shrimp Potential of the Eastern Gulf of Guinea, by Alan R. Longhurst		
Page	TRENDS AND DEVELOPMENTS:	Page	TRENDS AND DEVELOPMENTS (Contd.):
	Alabama:		American Samoa:
13	.. Landings and Fishery Trends, 1964	18	.. Composition of Tuna Fleet Operating from American Samoa
	Alaska:	19	.. Transshipping Tuna to Japan
14	.. King Crab Industry Board Named by Governor		California:
14	.. Foreign Fishing Activity off Alaska, August 1965	19	.. Marine Research Center Being Established by University of Southern California
17	.. 1965 Herring Fishery Down Sharply		Columbia River:
17	.. Salmon Fishing Season About Over	19	.. Columbia Basin Inter-Agency Committee Meets to Discuss Fishery Resources
	Alaska Fishery Investigations:		Federal Purchases of Fishery Products:
17	.. Pink Shrimp Vertical Migrations	20	.. Federal Specification Proposed for Fresh and Frozen Shucked Raw Oysters
17	.. Shrimp Life History Studies		Great Lakes Fisheries Explorations and Gear Development:
18	.. King Crab Study Reveals Unusual "Stacking" Behavior of Juveniles	20	.. Lake Michigan Trawling Studies Continued
18	.. Salmon Earbones Reveal Age in Study of Sockeye Run to Karluk Lake		

Contents continued page II.

CONTENTS (CONTINUED)

Page	TRENDS AND DEVELOPMENTS (Contd.):	Page	TRENDS AND DEVELOPMENTS (Contd.):
	Gulf Fishery Investigations:		U. S. Foreign Trade:
22 . .	Shrimp Distribution Studies	38 . .	Imports of Canned Tuna in Brine Under Quota
	Gulf and Atlantic States Marine Fisheries Commissions:		Wholesale Prices:
22 . .	Joint Annual Meeting in Miami, Fla.	38 . .	Edible Fish and Shellfish, September 1965
	Industrial Fishery Products:		FOREIGN:
	U. S. Fish Meal, Oil, and Solubles:		International:
23 . .	Production by Areas, August 1965	40 . .	European Economic Community:
23 . .	Production, July 1965		EUROPECHE Proposals for a Common Fishery Policy
23 . .	Major Indicators for U. S. Supply, July 1965	40 . .	Fish Meal:
	U. S. Fish Meal and Solubles:	40 . .	Production and Exports for Selected Countries, January-June 1965
23 . .	Production and Imports, January-July 1965	41 . .	World Production, June 1965 With Comparisons
	Inland Fisheries Explorations and Gear Development:		International Pacific Halibut Commission:
24 . .	Oahe Reservoir Trawling Studies	41 . .	Closure of Pacific Halibut Fishing in Areas 1, 2, 3A, and 3B South
	Marketing:		International Pacific Salmon Fisheries Commission:
26 . .	Fish 'n' Seafood Parade Michigan:	43 . .	Sockeye and Pink Salmon Fishery Trends in Convention Waters, Early September 1965
26 . .	Changes in Great Lakes Commercial Fishing Regulations Approved		International Labor Organization:
	National Fish and Wildlife Library:	43 . .	Fishermen's Training and Working Conditions to be Reviewed
26 . .	New Reference Service to Aid Research New Jersey:		Marine Oil:
27 . .	Artificial "Seaweed" used in Coastal Erosion-Prevention Tests	43 . .	World Production and Exports, 1960-1964 and Forecast 1965
	North Atlantic Fisheries Explorations and Gear Development:		Salmon:
27 . .	Tuna and Swordfish Distribution Studies in Northwest Atlantic Continued	44 . .	Baltic Sea Conservation Agreement Between Denmark, Sweden, and West Germany
30 . .	Trawl Gear Evaluation Studies Continued		Whaling:
	North Atlantic Fisheries Investigations:	45 . .	5-Nation Tokyo Conference Ends Without Agreement
31 . .	Lobster and Sea Herring Populations and Larvae Studied		Angola:
31 . .	Distribution of Zooplankton and Larval Lobsters in Gulf of Maine Studied	45 . .	Fishery Trends in 1965
	North Atlantic:	45 . .	Fishery Landings Production and Export Trends, 1963-1964
32 . .	Foreign Fishing Activity off Coast, September 1965		Australia:
	Oregon:	46 . .	Tuna Survey Under Way in Northern Waters
32 . .	Young Chinook Salmon Released in Expectation of Willamette River Pollution Improvement	46 . .	Western Australian 1965 Shrimp Landings Down from Previous Season
	Pesticides:	46 . .	Shrimp Survey off New Guinea Shows Commercial Potential
33 . .	Danger of Chemical Pesticides to Marine Life Under Study	47 . .	Shrimp Imports Soar to Meet Home Demand
	Safety at Sea:	47 . .	Imports of Marine Products, 1963/64 and 1964/65
33 . .	Explosive Hazards at Sea	48 . .	Exports and Production of Spiny Lobsters and Trends, Fiscal Year 1964/65
	South Atlantic Fisheries Explorations and Gear Development:	48 . .	Abalone Fishery Trends
34 . .	Calico Scallop and Shrimp Explorations off Florida East Coast		Brazil:
	Tennessee Valley Authority:	49 . .	Spiny Lobster Production and Exports Lower
34 . .	Trawler Purchased for Commercial "Rough Fish" Explorations	49 . .	Mexican Vessels Bought for Fisheries Venture
	Trout:		British Guiana:
36 . .	U. S. Trout Farmers Association Convention, October 6-8, 1965, in Washington, D. C.	49 . .	Shrimp Fishery Trends
	Tuna:		Burma:
36 . .	Pacific Albacore Tuna Fishery Affected by Erratic Water Temperature Changes, July-August 1965	50 . .	Fisheries Trade Placed Under Government Control
	U. S. Fishing Vessels:		Canada:
37 . .	Fisheries Loan Fund and Other Financial Aid for Vessels, July 1-September 30, 1965	50 . .	Department of Fisheries Reorganized
		51 . .	1965 Coho Salmon Grilse Tagging Program at Georgia Strait-Discovery Passage
		51 . .	Salmon Fishway Being Built at Meziabin Falls in British Columbia

CONTENTS (CONTINUED)

Page	FOREIGN (Contd.):	Page	FOREIGN (Contd.):
	Canada (Contd.):		Japan (Contd.):
52 ..	Salmon Fishing License Changes Proposed to Reduce Fishing Pressure	66 ..	Mackerel Pack and Market Trends
52 ..	New Atlantic Salmon Rearing Station Planned for Nova Scotia	66 ..	Exports of Fresh and Frozen Marine Products, 1964
52 ..	Salmon Sales to South Africa Increasing	66 ..	Two Firms to Build Large Stern Trawlers for Northwest Atlantic Fisheries
	Denmark:	67 ..	Fishing Vessel Construction, 1960-64
53 ..	Ex-Vessel Price Trends for Selected Species, January-April 1965 With Comparisons	67 ..	Fishing Vessel Construction Loans Are Up
54 ..	Cod Fillets and Fish Blocks Production Short of Export Demand	67 ..	Fisheries Agency Requested to Study International Fisheries Problems
54 ..	Imports of Fishery Products, 1964 and January-June 1965	67 ..	Soviet Union-Japan Pollock Price Negotiation Deadlocked
56 ..	Quality Controls Strict for Imports of Fresh Fish	67 ..	Application for Importation of Soviet-Produced Kelp
56 ..	Very Light Fiber for Fishing Gear Developed		Republic of Korea:
	Ecuador:	68 ..	Plans to Build 572 Fishing Vessels
56 ..	New Processing Plant to be Built in Guayaquil		Mexico:
	France:	68 ..	Shrimp Exports to Europe and Asia Granted Tax Advantage
57 ..	Tuna and Sardine Price and Landings Trends, 1964		Norway:
	Ghana:	68 ..	Canned Fish Exports, January 1-May 22, With Comparisons
58 ..	Japanese Firm Offers Technical Fishery Assistance to Ghana	69 ..	Fisheries Fair Emphasizes Modern Techniques
	Greenland:	70 ..	Folding Anchor Produced in Norway
58 ..	Atlantic Salmon Fishery in Offshore Waters		Peru:
	Hong Kong:	70 ..	Fish Meal Situation, Late August 1965
58 ..	Shrimp Industry and Foreign Trade, 1963-1964	70 ..	Fish Oil Exports, January-June 1965
	Iceland:		Senegal:
59 ..	Export Stocks of Principal Fishery Products, July 31 and June 30, 1965	70 ..	Nine New Tuna Vessels
59 ..	Exports of Fishery Products, January-June 1965		South Africa Republic:
60 ..	Fishery Landings by Principal Species, January-April 1965	70 ..	Pelagic Shoal Fish Catch, January-May 1965
60 ..	Utilization of Fishery Landings, January-April 1965	71 ..	Fish Oil Production, January-May 1965
60 ..	Canning Industry Development Trends	71 ..	Fiberglass Vessels for Shoal Fishery Prove Popular
	Japan:		South-West Africa:
60 ..	Frozen Tuna Exports to U. S. and Puerto Rico, June-July 1965	71 ..	New Fisheries Venture Involves Spiny Lobster and White Fish
61 ..	Tuna Export Conference in New York City		U. S. S. R.:
61 ..	Tuna Fleet Activities and Landings	72 ..	Tuna Fishing Trends in the Indian Ocean, Mid-1965
62 ..	Tuna Landings at Yaizu, August 1965	72 ..	Expedition Sent to Explore for Tuna, Sardines, and Mackerel in the Eastern Pacific
62 ..	Tuna Vessels Operating in Atlantic	72 ..	Far East Fisheries Developments
62 ..	Interest Increases in Pole-and-Line Tuna Fishery	72 ..	Exploratory Cruise to the Tropical Atlantic and the Antarctic
63 ..	Tuna Canners Adopt Measures to Overcome Drop in Export Sales	73 ..	Average Annual Catch of Large Refrigerator-Trawlers
63 ..	Tuna Packers Seek Cut in Storage Fees	73 ..	Factoryships Built in West Germany for Soviets
63 ..	Sales of Canned Red Salmon Reported Good	73 ..	Freezer-Trawler Gletcher Delivered to Soviets by Danish Shipyard
63 ..	King Crab Pot Fishing Test in Bristol Bay		United Kingdom:
63 ..	Bristol Bay King Crab Factoryship Production	74 ..	Atlantic Trawler Catch Rate Decline Forecast
64 ..	Trawler Ends Gulf of Alaska Operation	74 ..	New Anglo-Arabian Shrimp Fishing Venture in Middle East
64 ..	Factoryship Ends Bering Sea Bottomfish Operation	74 ..	Extended British Fishing Limits Stir Protests Among French Herring Fishermen
64 ..	Two Firms to Conduct Test Fishing off South America	74 ..	Marine Fish Farming Experiments in Scottish Bays
64 ..	Three Bottomfish Fleets Operating in Okhotsk Sea	75 ..	Small Vessel Design Recommendations for Stability and Economy
65 ..	Canned Crab Meat Exports, May-June 1964-1965	75 ..	Lightweight Plastic Fish Boxes to be Produced
65 ..	Exports of Frozen Rainbow Trout, July 1965	76 ..	Oceanographic Cruise to Use "Sound Pictures" to Study Plankton
65 ..	Canned Mackerel Export Prices		

CONTENTS (CONTINUED)

Page		Page	
	FOREIGN (Contd.):		FEDERAL ACTIONS (Contd.):
	Uruguay:		Department of the Interior:
76 . .	Fisheries Project Proposed by Bulgaria		Fish and Wildlife Service:
	Venezuela:		Bureau of Commercial Fisheries:
76 . .	Japan Reduces Holding in Joint Tuna Enter- prise	78 . .	Fishery Loan Application Received for Purchase of Salmon Vessel
76 . .	Shrimp Industry Opposes Entry of Florida Firm	78 . .	Hearings on Applications for Fishing Vessel Construction Differential Subsidy
	FEDERAL ACTIONS:	79 . .	Contract Awarded for Research to Im- prove Processing Techniques for Alaska Seal Skins
	Department of Commerce:		Department of Labor:
78 . .	Area Redevelopment Administration Suc- ceeded by the Economic Development Ad- ministration		Wage and Hour and Public Contracts Divisions:
	Department of Health, Education, and Welfare:	79 . .	Fish Farming Entitled to Agricultural Exemption Under Fair Labor Standards Act
	Food and Drug Administration:	80 . .	Eighty-Ninth Congress (First Session)
78 . .	Proposal to Use Sodium Nitrite as a Pre- servative and Color Fixative in Canned Crab Meat		RECENT FISHERY PUBLICATIONS:
		85 . .	Fish and Wildlife Service Publications
		86 . .	Miscellaneous Publications



PACIFIC COAST WHALE-MARKING PROGRAM

Data collected by the U. S. Bureau of Commercial Fisheries during the 1964/65 whale-marking program off the Pacific Coast was in the process of being analyzed earlier this year by scientists of the Bureau's Tuna Resources Laboratory, La Jolla, Calif. The whale-marking program is conducted annually between December and March by the Bureau.

Bureau biologists "mark" the whales by firing a 10-inch projectile of stainless steel tubing into the thickest part of the blubber. The numbered projectile is harmless to the whale and provides much valuable information if the marine mammal is caught by whalers. The whale-marking program has permitted scientists to study many factors in the life cycle of various whale species, including population, migration, longevity, and mortality.



Editorial Assistants: Ruth V. Keefe and Jean Zalevsky

Sr. Compositor: Alma Greene

Jr. Compositors: Mary Andrews and Mary Donaldson

Photograph Credits: 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.

P. 15 (fig. 2)--W. Haskell; p. 16 (fig. 5)--U. S. Coast Guard and (fig. 8)--R. C. Naab; p. 30 (fig. 1)--E. Hoffman and (fig. 2)--R. C. Wilson; p. 41--J. Pileggi; p. 46--Robert W. Tyson; pp. 49 & 50--R. S. Croker; p. 57--France Pêche, Lorient, France; p. 65--Consulate General of Japan, N. Y.; p. 69 (fig. 1)--Oksavik, Norway; p. 70--Arnie Swendsen, Norway; p. 73--Burmeister & Wain, Denmark; p. 77--Shrimp Association of the Americas.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.
Price 60 cents (single copy). Subscription Price: \$6.50 a year; \$2 additional for foreign mailing.