UNITED STATES PARTMENT OF THE INTERIOR STEWART L. UDALL, SECRETARY

FISH AND WILDLIFE AND PARKS STANLEY A. CAIN, ASST. SECRETARY

e

FISH AND WILDLIFE SERVICE CLARENCE F. PAUTZKE, COMMISSIONER

BUREAU OF COMMERCIAL FISHERIES DONALD L. MCKERNAN, DIRECTOR





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: Fishery Market News Service, U. S. Bureau of Comercial 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 sponsible 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, ference to the source is appreciated.

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

5/31/68

CONTENTS

COVER: Shows cod end of 52-foot (headrope) trawl with alewife catch of over 6,000 pounds. The catch was made in a 15-minute drag inside Chicago Harbor by the U. S. Bureau of Commercial Fisheries exploratory fishing vessel Kaho. (See page 29, M/V Kaho Cruise 32.)

The Industrial F	Tisheries of	TomorrowCha	rting the C	ourse, by	Donald	L.	McKernan
------------------	--------------	-------------	-------------	-----------	--------	----	----------

. .Third Technical Meeting on Fishing Boats, by Edward A. Schaefers and Thomas Pross

. .Heat Inactivation of Thiaminase in Whole Fish, by R. H. Gnaedinger and R. A. Krzeczkowski

£ Se	e	Page
.5	TRENDS AND DEVELOPMENTS: Alaska Fisheries Explorations and Gear De- velopment: Shrimp Resources in Southeastern Waters	TRENDS AND DEVELOPMENTS (Contd.): Central Pacific Fisheries Investigations: 22 . Tuna Behavior and Hearing Ability Studies 23 . Oceanographic Research Project Conducted South of the Hawaiian Islands
17	Surveyed California:	Columbia River:
1	•• Various Species of Fish Collected for Bio- logical Studies	25 Shad Netting Activities during 1966 Season 26 Federal Grant to Aid Oyster Industry
18	Survey of Shrimp Resources in Coastal Wa- ters Continued	Federal Aid for Sport Fish and Wildlife Res- toration:
18	Oceanographic Studies in California Coastal	26 Interior Apportions Funds to States for FY 1967
19	Pelagic Fish Population Survey Continued	Federal Purchases of Fishery Products:
.0	· · Abalone Observations and Growth Studies	27 Department of Defense Purchases, May 1966 Georgia:
	San Francisco Bay Investigations Con-	27 Fishery Landings and Trends, 1965 Great Lakes:
12	See Ottom Develation Data inside by Concurs	 28 Michigan Outlines Fish Management Goals 29 Michigan Provided with Splake Brood Stock for Lake Huron Plantings
	Contents conti	nued page II.

Contents continued page II.

COMMERCIAL FISHERIES REVIEW

CONTENTS (CONTINUED)

Page		Page	
uge	TRENDS AND DEVELOPMENTS (Contd.):	I	FOREIGN:
	Great Lakes Fisheries Explorations and Gear		International:
	Development:		Fish Meal:
29 .	Chudian	50	Production and Exports for Selected Coun-
	of Alewife and Chub in Lake Michigan Con-	19. 19. 19. 19.	tries, January-February 1966
	tinued		International North Pacific Fisheries Con-
	Great Lakes Fishery Investigations:		vention:
21	Biological Research and Sea Lamprey Con-	50	
	trol, May 1966		Codex Alimentarius:
	Industrial Fishery Products:		Third Meeting of Committee on Food Hy-
0.0	Industrial Fishery Products:		
32 .	U. S. Demand for Fish Meal in 1965		giene
	U. S. Fish Meal, Oil, and Solubles:	51	giene Oceanography: United States Exhibit in Germany Resched- uled North-East Atlantic Fisheries Commission
33 .	 Production by Areas, June 1966 Production, April 1966 	. IG	United States Exhibit in Germany Resched-
33 .	Production, April 1966		
	U. S. Fish Meal and Solubles:		
34 .	. Production and Imports, January-April 1966		Fourth Annual Meeting
	Inland Fisheries Explorations and Gear De-		Argentina:
	velopment:	52	Tuna Fisheries, 1960-64
34 .	. Oahe Reservoir Trawling Studies	these Fla	Australia:
	Maine Sardines:	53	Tuna Catch, 1965/66 Season
35 .	. Quality Control Program Found Effective		Brazil:
	National Fisheries Institute:	53	New Oceanographic Vessel to be Launched in
35	. Advertising and Merchandising Managers'		1967
	Contest is Feature of 1966 "Fish 'n Sea-		Bulgaria:
	food Parade"	54	Imports of Greek Fishery Products
	Nautical Charts:		Canada:
	. New Tidal Current Tables Issued for Long		Lobster Fishermen in Newfoundland to be
30 .	New Huar Current Tables Issued for Long	J4	
	Island and Block Island Sounds		Compensated for Storm Losses
36 .	. New Chart Issued for Block Island Sound	54	Firm Promotes Fresh-Water Fish Exports
	North Atlantic Fisheries Explorations and Gear		to Europe
	Development:		Cuba:
37 .	. Surf Clam Survey Continued	55	Spiny Lobster Landings and Exports
	North Atlantic Fisheries Investigations:		Plans for Revival of Sponge Industry
38 ,	. Research Vessel Albatross IV Sets Record		Denmark:
	for Days at Sea	55	Fishery Exports, January-March 1966
39 .	. Distribution of Zooplankton Studied		Ecuador:
	North Pacific Fisheries Explorations and Gear	56	Shrimp Exports, 1965
	Development:		Finland:
39 .	. Hake Population Survey Continued	57	Proposal to Develop Offshore Fishing Fleet
	Oceanography:		France:
41 .	. Student Work-Study Program of U. S. Naval		Fishery Trends, 1965
	Oceanographic Office		Guyana:
	Oregon:	59	Shrimp Exports and Vessels, 1965
41	. Chinook Fingerling Liberation Tied-in with		Japan:
TI .	Bonneville Hatchery Exhibit		
12	. Salmon Spawning Areas Opened by Removal	60	Fishery Landings Set Record in 1965
44 .		co	Fish Catch is Down and Imports Are Up
	of Dam Pacific Marine Ficharias Commission	00	Fresh and Frozen Tuna Exports to Oversea
4.0	Pacific Marine Fisheries Commission:	0.1	Bases, Business Year 1965
42 .	Annual Spring Meeting for 1966 Held	61	New Canned Tuna Export Validation Standal
	Salmon:	1.1.1	Adopted
43	. U. S. Pacific Coast Canned Stocks, June 1,	61	Fish Landings in Yaizu, May 1966
	1966	61	Pole-and-Line Tuna Fishing Trends
44 .	Fingerlings Are "Branded" in Migration	62	Reduces Use of Deck-Carried Tuna-Fishing
	Studies		Vessels
	South Atlantic Fisheries Explorations and	62	Refueling Base in Indian Ocean Planned for
	Gear Development:		Tuna Long-Liners
45	Migrations and Seasonal Distribution of Pe-	62	Fishing Affected by Mauritania's Extension
	lagic Fish in Florida Straits Studied		of Fishing Limits
	U. S. Fishing Vessels:	62	Tuna Fishermen Request Lower Interest
46	Fisheries Loan Fund and Other Financial		Rates on Government Loans
	Aid for Vessels, April 1-June 30, 1966	62	Computer for Identifying Tuna Schools Unde
47	. Documentations Issued and Cancelled, April		
	1966	62	Development
	Wholesale Prices:	62	Salmon Landings Higher, Prices Lower Tha
47		62	1965 Firm Explores for Arctic Ocean Salmon
	, Datore i fon and oneinion, oune 1900	63	Firm Explores for Arctic Ocean Salmon

Contents continued page III.

II

COMMERCIAL FISHERIES REVIEW

age		Page
	FOREIGN (Contd.):	FOREIGN (Contd.):
	Japan (Contd.):	Spain:
63	Exports of Canned Mackerel to United States	72 Automated Tuna Vessel Being Built
1.000	Increasing	Tanzania:
63	Exploring Bottomfish Resource off East Africa	72 Fishery Aid from U.S.S.R. Togo:
63	Fishing Vessels Licensed by Fisheries	72 Fisheries Development
	Agency	Uganda:
34	Industry Submits Recommendations on Fur Seals	73 . Fisheries Aid from Israel U.S.S.R.:
54	Government to Compensate Owners of Seized	73 Flounder Fishery Off Kurile Islands
	Vessels	73 Pacific Hake Utilization
64	Utilization of Saury in 1965	73 Deliveries of Herring to Japanese on the
65	Whaling in East China Sea Reactivated	High Seas
	North Korea:	74 Pacific Fishing Fleet Additions
65	Soviet-North Korean Fisheries Commission Meets	74 Far Eastern Fisheries Receive Two New Factory Stern Trawlers
	Republic of Korea:	74 New Oceanographic Vessel
65	Refrigerated Tuna Vessels Assigned to	75 Exploratory Fishing in Northern Bering Se
	American Samoa	75 Fishery Research in the Pacific
	Libya:	75 Saury Research Off U. S. Coasts
65	Fishing Vessels Ordered from Poland	75 Oceanographic Research Vessel Ends Atla
	Malaysia:	tic Studies
65		United Arab Republic:
	operation with Thailand Mexico:	75 Joint Fishery Research with U.S.S.R. United Kingdom:
66	Shrimp Trends, First Quarter 1966	75 Supply and Disposition of Frozen Process White Fish, 1953-1965
67	Norway:	76 Warp-Load Meter for Fishing Vessels De
6.8		veloped
68	mark	76 Foreign Fishing Off United States Coasts,
	Peru:	June 1966
68	Banner Year for Fish Meal Production	Federal Actions:
	Poland:	Department of the Interior:
68	New Class of Stern Factory Trawlers to be	Fish and Wildlife Law Enforcement:
	Built by 1967	81 Strengthening of Fish and Wildlife Law H
69	Fisheries Attache in East Berlin	forcement Sought
	Portugal:	Fish and Wildlife Service:
69	. Tuna Fishery Development Plans for Cape	Bureau of Commercial Fisheries:
	Verde Islands	82 Applications for Fishing Vessel Loans
	Saint Pierre-Et Miguelon:	82 Regulations on Payment of Subsidies U
69 .	Polish Vessels Land Frozen Packed Fish at	Fishing Fleet Improvement Act of 196
	Saint Pierre	Allended La Conder of Engrand
	South Africa:	83 . U. S. Standards for Grades of Frozen H
70 .	. Fishing Seasons Changed	less Dressed Whiting Adopted
70 .	. Fishing Trends. May 1966	85 Johnson Appointed Pacific Northwest R
71 .	. Exports of Live Spiny Lobsters Increase	gional Director
71 .	. Canned Pilchards Have Local Market Boom	85 New Director of Seattle Technological
71 .	. Fishing Industry Seeks Government Controls	Laboratory Appointed
	on Foreign Operations	85 Eighty-Ninth Congress (Second Session)
-	South-West Africa:	RECENT FISHERY PUBLICATIONS: 91 . Fish and Wildlife Service Publications
12 .	. Fishing Trends, May 1966	91 Fish and Wildlife Service Fublications 92 Miscellaneous Publications
		92 Miscellaneous rubications
	B 0 PZ	



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.