DEPARTMENT OF THE INTERIOR FRED A. SEATON, SECRETARY FISH AND WILDLIFE SERVICE

COMMERCIAL FISHERIES REVIEW



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

A. W. Anderson, Editor

J. Pileggi, Associate Editor H. M. Bearse, Assistant Editor

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, May 21, 1957. (5/31/60)

CONTENTS

COVER: Lake Michigan smelt fishermen completing a pound-net haul through ice. The Great Lakes smelt fishery in recent years has become increasingly important. It supplies fresh fish to many families that live in areas where the spawning runs occur. The commercial catch in the Great Lakes has ranged between 6 and 8 million pounds annually in recent years.

D. D. Harle Tick by Y. D. Transferitory, Dest 9, Floren	- an order	Examination of Progen Eriad Pick Sticks by I. J. Dowall	Page
Bone Detection in Fish by X-Ray Examination: Part 2 - Fluoro Meat Content of Pavlof Bay King Crabs, by Henry M. Sakuda			â
	Page		Page
RESEARCH IN SERVICE LABORATORIES:	7	TRENDS AND DEVELOPMENTS (Contd.):	
Brine-Frozen Haddock Tests by Industry	7	Pacific Oceanic Fishery Investigations:	
New Vessel Fish-Icing Techniques Prove Value to New		Direct Underwater Observation of Tuna Behavior	25
England Fisheries	8	"Skipjack Concourse" Studied off Hawaiian Islands	26
Plan for Development of Federal Specifications for Fish-		Area of Persistently Occurring Skipjack Tuna Found	
ery Products	9	in Hawaiian Waters (M/V Charles H. Gilbert Cruise	
Scallop Meats Frozen in Glucose-Salt Solution Aboard		34)	27
Vessel	9	Survey of Albacore Tuna Resources in North Pacific	-
Structure and Function of the Kidney in the Oyster,		Between United States and Hawaii	28
by Milton Fingerman and Laurence D. Fairbanks	10	Service Vessel Takes Part in Northeast Pacific Alba-	
TRENDS AND DEVELOPMENTS:	11	core Survey (M/V John R. Manning Cruise 36)	30
Biologists Seek Answers to Many Fishery Research		Another Service Vessel Participated in Northeast Pa-	
Problems	11	cific Albacore Survey (M/V Hugh M. Smith Cruise 40)	31
California:		Marquesan Sardine Introduction in Hawaiian Waters	33
Yellowfin and Skipjack Tuna Tagged Between Southern	12	Shows Signs of Success	34
Mexico and Ecuador (M/V Cape Falcon Cruise 57-C-3) Yellowfin Tuna Tagged off Coast of Mexico (M/V South-	1.6	Spawning Albacore Tuna Sought off American Samoa . Recording Prepared to Aid Fish Consumption	35
ern Pacific Cruise 57-C-4)	12	Salmon:	
Clams:		King Salmon Run in Columbia River Increasing	35
Studies on Salinity Tolerance of Early Stages of Hard		South Atlantic Exploratory Fishery Program:	
Clams	13	Deep-Water Shrimp Explorations off Northern Florida	
CansShipments for Fishery Products, January-July		(M/V Combat Cruise 12)	36
1957	14	Standards:	
Federal Purchases of Fishery Products:		Pacific Troll Salmon Quality Improvement Guidelines	
Department of Defense Purchases, January-August 1957	14	and Standard Procedures	36
Inspection Charge on Fish Purchases Proposed	15	United States Fishing Fleet Additions	38
Frozen Raw Breaded Shrimp Interim Purchase Descrip-		United States Catch Declines Sharply in First Half of	
tion	15	1957	38
Fur Seals:		U. S. Foreign Trade:	40
Pribilof Islands Fur-Seal Skin Production, 1957	15	Edible Fishery Products, July 1957	40
Great Lakes Fish Landings Increased in 1956	16	Fishery Products Imports and Exports, 1956	41
Great Lakes Fishery Investigations: Otter-Trawl and Gill-Net Fishing in Lake Erie Con-		Groundfish Fillet Imports, July 1957	41
	17	Imports of Canned Tuna in Brine Under Quota Proviso Virginia:	
Sea Lamprey Control by New Chemical Possible	20	Eelgrass Beds Haven For Oyster Drills	41
Gulf Exploratory Fishery Program:	20	Washington:	
Exploratory Fishing for Hard Clams and Finfish in the		New Fishery For Small Shrimp	42
Northeastern Gulf of Mexico (M/V Silver Bay Cruise 3)	20	Whaling:	
New Cold Curtain for Refrigerated Trucks	21	Pacific Coast Whaling Industry Revived	42
North Atlantic Fisheries Exploration and Gear Research:		Wholesale Prices, September 1957	44
Scallop Grounds Surveyed, Freezing Tests Made, and		FOREIGN:	46
English-Type Dredge Tested (M/V Delaware Cruise		International:	
57-7)	22	International Pacific Salmon Fisheries Commission:	40
North Atlantic Fishery Investigations:		Review of 1957 Fraser River Sockeye Salmon Run	46
Sea Bottom and Bottom Fauna Samples Collected	0.0	International Whaling Commission:	47
(M/V Albatross III Cruise 101)	23	International Whaling Convention Ratified by Denmark	41
Vertical Distribution of Post-Larval and Age Composi-		United Nations:	47
tion of Ocean Perch Studied (M/V <u>Albatross III</u> Cruise 102)	23	"Law of the Sea" Conference at Geneva Australia:	
Whiting Tagged by Service Vessel (T-79 Cruise 16)	24	New Fish Cannery Plans to Can Tuna	48
Oysters:		Fishermen want Restrictions on Tuna Imports Con-	
Optimum and Minimum Salinity Tolerance Through the		tinued	48
Setting Stage	24	Sardine Resources Survey Progress Reported	48

CONTENTS (CONTINUED)

	Page
DREIGN (Contd.):	
Progil:	
Fishing Vessels from Japan Enter Fisheries	49
Inspection System for British Columbia Fishery Plants	49
New Scallop Grounds Found on Ste. Pierre Bank	50
Juba:	50
Concession for New Fishing Terminal Granted Cuban-Japanese Fishing Contract to Include Process-	50
ing of Tuna and Other Fishery Products	51
ndonesia:	
Agar-Agar Plant Begins Operations	51
Fapan: De la te Frencete te United States - I	
Fishery Products Exports to United States, January-	
April 1957	52
King Crab Meat Pack by North Pacific Factoryship	52
Tuna Fishing Fleet Expansion Limited	52
U.S.S.R. Claim to Vladivostok Bay Refuted	54
Republic of Korea:	
Landings and Processing of Marine Products	54
Libya:	
Sponge Industry	55
Tuna	55
Norway:	
Alginate Jelly-Coated Frozen Mackerel Fillets Sold in	
United States	55
Fishermen Request Government Guarantees for Prices	
and Marketing	55
Panama:	
Shrimp Industry Expanding	56
Portugal:	00
Canned Fish Exports, January-June 1957	56
Fisheries Trends, June 1957	57
Switzerland:	01
	57
Market for Japanese Canned Tuna	51
	57
Good Season for Saldanha Bay Whaling Station	
Maasbanker-Pilchard Catches Good	57

	Page
FOREIGN (Contd.):	0
U. S. S. R.:	
U. S. Tagged Salmon Caught	58
United Kingdom:	
Canned Crab Meat Imports from U. S. S. R. Increased Venezuela:	58
Fish Consumption	58
FEDERAL ACTIONS:	
Committee for Reciprocity Information:	
Views Sought on Renegotiation of Certain Tariff Con-	
cessions	59
Department of Health, Education, and Welfare:	
Fishery Vocational Education Funds Allotted to States	
and Territories	59
Food and Drug Administration:	
Effective Date Confirmed on Canned Tuna Order for	
Identity and Fill-of-Container	60
Department of the Interior:	
U. S. Fish and Wildlife Service:	
North Atlantic Haddock and Cod Fisheries Regulations	
Revised	61
Treasury Department:	
New Customs Valuation to Apply to Most Fishery Imports	63
Eighty-Fifth Congress (First Session)	64
FISHERY INDICATORS:	66
Chart 1 - Fishery Landings for Selected States	66
Chart 2 - Landings for Selected Fisheries	67
Chart 3 - Cold-Storage Holdings and Freezings of Fish-	
ery Products	68
Chart 4 - Receipts and Cold-Storage Holdings of Fishery	
Products at Principal Distribution Centers	69
Chart 5 - Fish Meal and Oil Production - U. S. and	
Alaska	69
Chart 6 - Canned Packs of Selected Fishery Products .	70
Chart 7 - U. S. Fishery Products Imports	71
RECENT FISHERY PUBLICATIONS:	72
Fish and Wildlife Service Publications	72
Miscellaneous Publications	74



Editorial Assistant -- Ruth V. Keefe

Illustrator--Gustaf T. Sundstrom

Compositors--Jean Zalevsky, Alma Greene, Helen Joswick, and Vera Eggleston

* * * * *

<u>Photograph 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.

P. 1--J. H. Carver; pp. 6 and 10--G. T. Sundstrom; p. 16--V. B. Scheffer; p. 36--H. R. Bullis, and p. 44--J. Pileggi.