



# 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, August 2, 1955. (8/31/57)

## CONTENTS

COVER: Modern-type British Diesel trawler Red Gauntlet, 135 feet in length and 800 b. hp., illustrates the steady progress being made in the design of foreign fishing vessels.

North Pacific Albacore Tuna Exploration by the M/V <u>John N. Cobb</u> --1956, by Donald E. Powell .....		Page 1
<b>RESEARCH IN SERVICE LABORATORIES:</b> .....	10	
Cold Storage of Frozen Pacific Oysters ( <u>Crassostrea gigas</u> ), No. 2 - Effect of Antioxidant and Other Treatments on Keeping Quality, by Kathryn L. Osterhaug and Richard W. Nelson .....	10	
Chemical Composition Varies for Different Parts of Fish .....	14	
Commercial Use of Alaska Sea Lions Studied .....	15	
Study of Dry Solids, Salt, and Free Liquor Relationships in Oysters .....	15	
Technical Note No. 38 - A Portable Fish-Meal Blender for Pilot-Plant Use .....	16	
<b>TRENDS AND DEVELOPMENTS:</b> .....	18	
California:		
Tuna Tagged Off The Coasts of Mexico, Guatemala, and El Salvador (M/V <u>Constitution</u> Cruise 57-C-1) .....	18	
Abalone Tagging and Survival Studies (M/V <u>Nautilus</u> Cruise 57-N-1) .....	19	
Cans--Shipments for Fishery Products, January-February 1957 ..	20	
Coast Pilot for Pacific Coast to be Revised .....	20	
Federal Purchases of Fishery Products .....	20	
Fish Hatchery .....	21	
Fisheries Loan Fund .....	21	
Florida:		
Fisheries Research, January-March 1956 .....	22	
Maine Sardines:		
Canned Sardine Stocks, April 1, 1957 .....	23	
Marketing Prospects for Edible Fishery Products, Summer 1957 ..	24	
Maryland:		
Shellfish Research Studies .....	24	
Michigan:		
Sea Lamprey Weirs Operating in 1957 .....	25	
Moorage of Fishing Vessels at Port Orford, Oregon, by F. Bruce Sanford .....	26	
North Atlantic Fisheries Exploration and Gear Research:		
Sizeable Commercial Concentration of Scallops on Georges Bank (M/V <u>Delaware</u> Cruise 57-4) .....	28	
North Atlantic Fisheries Investigations:		
Drift of Haddock Spawn (M/V <u>Albatross III</u> Cruises 90 and 92) ..	29	
Multiplane Kite Otter Board Tested (M/V <u>Albatross III</u> Cruise 91) .....	30	
North Pacific Exploratory Fishery Program:		
Midwater Trawling Experiments to be Continued (M/V <u>John N.</u> <u>Cobb</u> Cruise 31) .....	30	
Exploratory Bottom Fishing to be Conducted in Alaskan Waters (M/V <u>Tordenskjold</u> Cruise 32) .....	30	
United States Fishing Fleet Additions .....	31	
U. S. Fish and Wildlife Service:		
Commercial Fisheries Activities in Fiscal Year 1956 .....	32	
U. S. Foreign Trade:		
Groundfish Fillet Imports, April 1957 .....	33	
Edible Fishery Products, February 1957 .....	33	
Imports and Exports of Selected Fishery Products, February 1957 .....	34	
Tuna Canned in Brine Imports Under Quota Proviso, January- March 1957 .....	35	
Wholesale Prices, April 1957 .....	35	
<b>FOREIGN:</b> .....	37	
International:		
Japan and Russia Sign Pact on Pacific Salmon Catch .....	37	
<b>FOREIGN (Contd.):</b>		
International (Contd.):		
Trade Agreements:		
Japan-United Kingdom Pact Includes Fishery Products ...	37	
Northwest Atlantic Fisheries Commission:		
Germany Adheres to Convention .....	37	
Change of Place for Commission's Annual Meetings .....	37	
Mesh Regulations for Cod and Haddock Trawl Fishery in Subareas 3, 4, and 5 .....	37	
1957 Annual Meeting .....	38	
Australia:		
Freezing Fish and Shrimp at Sea Planned .....	38	
1956/1957 Tuna Season Sets New Record .....	38	
Canada:		
Insurable Value of Fishing Vessels Increased .....	39	
Northeast Pacific Salmon Studies .....	39	
Sockeye Salmon Eggs Shipped to Japan .....	40	
1957 Pacific Halibut Regulations Approved .....	40	
Ceylon:		
List of Fishery Products Imports Permitted from the U. S. ....	41	
Fiji Islands:		
Status of the Fisheries .....	41	
Iceland:		
Export Trade Bill Expected to Pass .....	41	
India:		
Nylon Nets Used Successfully by Fishermen .....	42	
Japan:		
Canned Oyster Pack, 1954-57 .....	42	
Combination Live-Bait and Long-Line Tuna Vessel Built ..	43	
New Tuna Fishing Ground Off Marquesas Island Reported ..	43	
Tuna Fishing Permits Traded at High Prices .....	43	
Tuna Industry and Licensing System Problems .....	44	
Mexico:		
Merida Shrimp Fisheries Trends, January-March 1957 .....	48	
Veracruz Fisheries Trends, March 1957 .....	49	
Shrimp Fishery Trends, March 1957 .....	49	
Norway:		
Fisheries Trends, March 1957 .....	49	
Cod Fisheries Trends to March 28, 1957 .....	50	
Sardine Advertising Campaign in Britain Sponsored by Canners .....	50	
Government Assistance to Fishermen Proposed .....	50	
Panama:		
Pink Shrimp Catches in 1957 Higher .....	50	
Peru:		
Canned Bonito Pack Lower .....	51	
Portugal:		
Fisheries Trends, December 1956 .....	51	
Canned Fish Exports, 1956 .....	52	
Spain:		
Vigo Fisheries Trends, January 1957 .....	53	
Vigo Fisheries Trends, February 1957 .....	54	
Surinam:		
Survey of Fisheries Resources in Surinam Waters .....	55	
Sweden:		
Synthetic Materials Favored by Fishermen .....	55	
Larson Floating Trawl Wins Award .....	56	

CONTENTS (CONTINUED)

	Page		Page
FOREIGN (Contd):		FEDERAL ACTIONS (Contd.):	
Turkey:		Eighty-Fifth Congress (First Session) .....	69
Fisheries of Black and Marmara Seas, by Samuel J. Braco .....	56	FISHERY INDICATORS:	71
United Kingdom:		Chart 1 - Fishery Landings for Selected States .....	71
First Shipment of Australian Shrimp .....	62	Chart 2 - Landings for Selected Fisheries .....	72
Subsidies for Fishing Industry, 1939-57 .....	62	Chart 3 - Cold-Storage Holdings and Freezings of Fishery Products .....	73
Fishing Fleet Subsidies Expected to End by 1961 .....	63	Chart 4 - Receipts and Cold-Storage Holdings of Fishery Products at Principal Distribution Centers .....	74
Echo-Sounder Equipped Helicopter for Fish Finding Tested .....	63	Chart 5 - Fish Meal and Oil Production - U. S. and Alaska .....	74
FEDERAL ACTIONS:	65	Chart 6 - Canned Packs of Selected Fishery Products .....	75
Department of Agriculture:		Chart 7 - U. S. Fishery Products Imports .....	76
Agricultural Marketing Service:		RECENT FISHERY PUBLICATIONS:	77
Notice on Proposed Standards for Grades of Frozen Raw Breaded Shrimp .....	65	Fish and Wildlife Service Publications .....	77
Federal Trade Commission:		Miscellaneous Publications .....	79
Two Cannery Charged With Illegal Brokerage Payments .....	68		
Department of Health, Education, and Welfare:			
Food and Drug Administration:			
Effective Date Extended for Canned Tuna Fill-of-Container Standard .....	68		



BLUEFIN TUNA SPAWN OFF SOUTH FLORIDA

The occurrence of recently-spawning fish and eggs and larvae believed to be those of the bluefin tuna suggest that these fish spawn in the Straits of Florida during May and early June. The main spawning area appears to be on the outer margin of the Florida current between Riding Rocks and Bimini in the Bahamas. The spawning habits of the smaller tuna in the area are at present unknown. The evidence suggests that the American and European tuna represent independent units inasmuch as the spawning time overlaps and the areas of spawning are about 4,000 miles apart.

--Sea Secrets, The Marine Laboratory,  
University of Miami, Coral Gables, Fla.

Editorial Assistant--Ruth V. Keefe

Illustrator--Gustaf T. Sundstrom

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

\*\*\*\*\*

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.

Pp. 1, 4, 5, 6, 7--North Pacific Fisheries Exploration and Gear Research, Exploratory Fishing and Gear Development Section, Bureau of Commercial Fisheries, Seattle, Wash.; p. 15--Fred W. Hipkins; pp. 26-27--F. B. Sanford; pp. 57, 58, 59, and 60--Nick Knezic, San Pedro, Calif.; outside back cover, fig. 1--R. P. Elliott.