



# COMMERCIAL FISHERIES REVIEW



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

Joseph Pileggi, Editor

Address correspondence and requests to the: Chief, Branch of Market News, Bureau of Commercial Fisheries, U. S. Department of the Interior, Washington 25, D. C.

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 10, 1960.

5/31/63

## CONTENTS

COVER: A shipment of Alaska canned salmon being unloaded at the Port of Seattle from an Alaska Steamship Company coastwise vessel. Most of the canned salmon packed in Alaska is shipped through Seattle. The 1962 Alaska salmon pack totaled about 3.4 million cases and included over 1.7 million cases of pinks, about 500,000 cases more than in 1961. The pack of pinks in 1962 was the largest for the years 1956 through 1962. The remainder of the pack was largely red and chum salmon. Much less red salmon was packed in 1962 than the previous year, but the chum pack was the largest in four years.

Page		Page	
1	..Shellfish Hatcheries and Their Future, by Victor L. Loosanoff and Harry C. Davis		
12	..Modifications of Chesapeake Bay Commercial Crab Pot, by Peter A. Isaacson		
17	..Fish Consumption by Food Stamp and Related Low-Income Families, by Rudolph E. De Pass and Thomas M. Brooks		
	<b>TRENDS AND DEVELOPMENTS:</b>		<b>TRENDS AND DEVELOPMENTS (Contd.):</b>
	Alaska:		Chesapeake States:
21	.. Fisheries Landings, 1961	26	.. Fishery Landings, 1961
	Alaska Fisheries Exploration and Gear Research:		Federal Aid for Sport Fish and Wildlife Restoration:
22	.. Distribution of Potentially Valuable Stocks of Fish and Shellfish Studied	27	.. Funds Apportioned to States, Fiscal Year 1963
	Alaska Fisheries Investigations:		Federal Purchases of Fishery Products:
23	.. Pink Salmon Studies	28	.. Fishery Products Included Under Sanitary Approval Prerequisites for Procurement
23	.. Red Salmon Studies		Fish Hatcheries:
23	.. Oceanography Studies	28	.. National Fish Hatcheries Produce Record Quantity of Fish in 1961
23	.. American Fisheries Advisory Committee: Interior Secretary Appoints Four to Committee		Fur Seals:
	California:	28	.. Fur Seal Skin Take from Pribilof Islands Lower
23	.. Commercial Salmon Landings Lower in 1962	28	.. Prices for Alaska Fur Seal Skins Set Record at Fall 1962 Auction
24	.. Congressmen Review Anadromous Fish Resources		Great Lakes Fishery Investigations:
24	.. Cans--Shipments for Fishery Products, January-September 1962	29	.. Adult Sea Lamprey Population Declines in Lake Superior and Lake Michigan
	Central Pacific Fisheries Investigations:	29	.. Lake Erie 1962 Fish Population Survey Completed
25	.. Progress Made in the Identification of Tuna Larvae and Juveniles		



## CONTENT (CONTINUED)

Page	Page
	TRENDS AND DEVELOPMENTS (Contd.):
	Pollution:
	46 .. Meeting Held on Pollution of the Seas by Oil Wastes
	47 .. Toxicity of Certain Chemicals to Fish Studied
	47 .. New Laboratory to Study Water Pollution by Pesticides
	Preservation:
	47 .. Quality of Ocean Perch Held in Refrigerated Sea Water Good
	Puerto Rico:
	48 .. Fish and Shellfish Landings, 1961
	Salmon:
	48 .. Fall 1962 Run of Adult Silver Salmon to Northwest Pacific Hatcheries Good
	48 .. Antioxidant Tested to Prevent Rancidity in Frozen Salmon
	49 .. Comparison of Hatchery Methods for Rearing Salmon
	Shrimp:
	49 .. Pinks Reared From Eggs to Juvenile Stages
	50 .. United States Supply Indicators, November 1962
	South Atlantic Exploratory Fishery Program:
	51 .. Fishing Gear for Catching Herring-Like Fish Tested
	53 .. Royal-Red Shrimp and Calico Scallop Explorations Continued
	Sport Fishing:
	54 .. Annual Catch, 1960
	Standards:
	54 .. Public Meetings on New Grade Standards for Certain Fishery Products
	Tagging:
	54 .. West Coast Firm Fabricates Tags for Marine Turtles and Fresh-Water Fish
	Tuna:
	55 .. Report on Eastern Pacific Tuna Regulations Hearing
	55 .. Albacore Migration Pattern Shifts in Eastern Pacific Due to Warmer Water
	U. S. Fishing Vessels:
	56 .. Documentations, Issued and Cancelled, October 1962
	56 .. New Fishery Research Vessel for Bureau of Commercial Fisheries
	U. S. Foreign Trade:
	57 .. Imports of Fresh or Frozen Tuna Through the U. S. Customs District of Puerto Rico, January-June 1962
	57 .. Imports of Canned Tuna in Brine Under Quota
	58 .. Edible Fishery Products, October 1962
	58 .. Imports of Products of American Fisheries, 1960-1961 and January-April 1962
	59 .. Trends in U. S. Imports of Fishery Products During 1961
	Vessel Mortgage Insurance Program:
	60 .. Steel Trawler for New England Fishery Being Built Under Program
	Washington:
	61 .. Fishery Landings, 1961
	61 .. Salmon Farm Program Proves Expensive
	62 .. Wholesale Prices, November 1962
	FOREIGN:
	International:
	North Pacific Fisheries Commission:
	64 .. Report on Meeting
	Tuna:
	64 .. Inter-Governmental Conference on Yellowfin Conservation in Eastern Pacific
	TRENDS AND DEVELOPMENTS (Contd.):
	Great Lakes Fishery Investigations (Contd.):
30 ..	Lake Michigan Fish Population Survey Continued
31 ..	Lake Trout Distribution Studies in Western Lake Superior Continued
	Gulf Exploratory Fishery Program:
31 ..	Production-Type Fishing for Royal-Red Shrimp Tried in Gulf of Mexico
	Gulf Fishery Investigations:
32 ..	Shrimp Distribution Studies
	Hawaii:
33 ..	Commercial Fishery Landings, July 1961-June 1962
	Industrial Fishery Products:
	U. S. Fish Meal, Oil, and Solubles:
34 ..	Production, January-October 1962
35 ..	Major Indicators for U. S. Supply, November 1962
	U. S. Fish Meal and Solubles:
36 ..	Production and Imports, January-September 1962
36 ..	Production and Imports, January-October 1962
	Inventions:
37 ..	New Electrically Operated Fishing Reel with Brake Patented
37 ..	New Hand Winch Attachment for Trolling Tackle Patented
	Irradiation Preservation:
37 ..	Iced Storage Life of Shrimp Extended by Low-Dosage Pasteurization
38 ..	Research on Irradiated Fishery Products Shows Promise
	Maine Sardines:
38 ..	Canned Stocks, November 1, 1962
	Market News Service:
39 ..	Quarter of a Century of Service to Fishery Industry Completed
	Michigan:
40 ..	Record Number of Lake Trout Eggs Collected at Hatcheries
	North Atlantic Fisheries Exploration and Gear Research:
40 ..	Distribution and Abundance Studies of Young-of-the-Year Haddock and Other Groundfish Continued
	North Atlantic Fisheries Investigations:
42 ..	Maine Herring Research, August 1962
42 ..	North Pacific Exploratory Fishery Program: Survey of Deep-Water Marine Fauna off Columbia River Continued
43 ..	Shrimp Distribution off Vancouver Island Studied
	Oceanography:
44 ..	Firm Receives Contract to Develop Anti-fouling Device
44 ..	Instrumentation System Being Developed for Study of Ocean Bottom Currents and Sediment Movement
	Oregon:
45 ..	Fishery Landings, 1961
45 ..	Escapement of Summer Steelhead Trout Above Bonneville Dam Near Record in 1962
	Oysters:
45 ..	Virginia Production Adversely Affected by MSX



## CONTENT (CONTINUED)

Page	FOREIGN (Contd.):	Page	FOREIGN (Contd.):
	International (Contd.):		Denmark:
	European Economic Community:		Fish Fillets and Blocks and Fishery Industrial Products Exports:
65 ..	Proposals for Conference on European Common Market Fisheries Policy	83 ..	January-October 1962
	Fish Meal:	84 ..	January-September 1962
65 ..	World Production, September 1962	84 ..	Fisheries Trends, January-September 1962
66 ..	Fish Meal Exports and Production for Selected Countries, January-August 1962	87 ..	Salmon Fishery in Eastern Baltic Sea
	Marine Oils:		Ecuador:
66 ..	Estimated World Production and Exports of Marine Oils, 1957-63	88 ..	New Tariff Schedule Raises Duties Sharply on U. S. Canned Fish
	Food and Agriculture Organization:		Faroe Islands:
66 ..	Development of Mechanized Fishing Fleets Discussed at IPFC Tenth Session	90 ..	Fishery Trends, November 1962
			Fiji Islands:
67 ..	First World Conference on Pesticides Held in Rome	90 ..	Tuna Base Plan
	Regional Fisheries Commission for Western Africa:		France:
68 ..	First Session Held in Tunis	90 ..	Entry Held Up of Moroccan Frozen Sardines
	General Agreement on Tariffs and Trade:		German Federal Republic:
68 ..	Twentieth Session Ends	90 ..	Financial Data on Stern-Trawler Factory-ships
	International Council for the Exploration of the Sea:		Ghana:
70 ..	Report on Fiftieth Statutory Meeting, by Joseph H. Kutkuhn	91 ..	American Fishermen Train Crews on New Tuna Purse-Seine Vessels
	Great Lakes Fishery Commission:		Greece:
71 ..	Meets in Ottawa	91 ..	Eel Prices, August 1962
72 ..	Canada-United States Sea Lamprey Control Measures in Great Lakes Producing Results	92 ..	Landings of Frozen Fish by Atlantic Freezer-Trawler Fleet
	North Pacific Fur Seal Commission:		Iceland:
72 ..	Report on Sixth Annual Meeting	92 ..	Fisheries Trends, Early and Mid-November 1962
74 ..	Statement by Secretary of the Interior at the Sixth Annual Meeting of Commission	92 ..	Exports of Fishery Products, January-October 1962
	UNESCO:		Fishery Landings by Principal Species:
75 ..	Marine Taxonomic Expert Appointed for Southeast Asia Area	93 ..	January-June 1962
	World Fishery Catch:	93 ..	January-July 1962
75 ..	Landings, 1961		Utilization of Fishery Landings:
77 ..	One-Quarter of Catch Used in Fish Meal and Oil Production	93 ..	January-June 1962
77 ..	Tuna, Bonito, and Mackerel Catch Was Up in 1961	93 ..	January-July 1962
	Trade:		India:
78 ..	Joint United States-Japan Trade and Economic Committee Meeting	93 ..	Firm Seeks Joint Fishing Venture with Japanese
	Austria:		Ivory Coast:
79 ..	Austria Liberalizes Import Regulations of Some Fishery Products	94 ..	Second Fishing Trawler Launched
	Brazil:		Japan:
79 ..	Northeast Brazil's Whale Catch, 1960-62	94 ..	Canned Tuna Export Regulations for 1963
	Canada:	94 ..	Frozen Tuna Exports to United States, April-October 1962
79 ..	British Columbia Canned Salmon Pack Reaches High Level in 1962	95 ..	Frozen Tuna Export Trends, Early November 1962
80 ..	Surcharges on Imports of Fishery Products Removed	95 ..	Buyers Request Postponement of Frozen Albacore Tuna Shipments from Japan
80 ..	Production, Utilization, and Foreign Trade in Marine-Animal Oils, 1961 and January-July 1962	95 ..	Japanese Firm Seeks Private U. S. Capital to Build Tuna Vessels
		95 ..	Frozen Tuna Export Quotas for 1963
81 ..	Bedford Institute of Oceanography Opens	96 ..	Frozen Tuna Exports to Italy
82 ..	Atlantic Coast Sea-Surface Environmental Charts	96 ..	Frozen Tuna Exports to Spain and Portugal
82 ..	New Fisheries Research Vessel for West Coast	96 ..	Ex-Vessel Tuna Prices at Tokyo
	Chile:	97 ..	Canned Tuna in Brine Exports to United States Increased
83 ..	Fish Meal Industry Expansion	97 ..	Exports of Canned Tuna in Oil and Specialty Packs
		97 ..	Canned Tuna Industry Representatives Tour U. S.
		97 ..	American Samoa Tuna Production Quota for Japanese Vessels
		98 ..	Hook-and-Line Skipjack Tuna Fishery Trends
		98 ..	Vessels Use Hook and Line to Fish Tuna off Africa West Coast



## CONTENT (CONTINUED)

Page	FOREIGN (Contd.):	Page	FOREIGN (Contd.):
	Japan (Contd.):		Rumania:
98 ..	Firm's Tuna Mothership Fleet Departs for South Pacific	113 ..	Japanese Trawlers to be Purchased
98 ..	Tuna Vessel Operations in Atlantic Ocean, Early November 1962		Senegal:
99 ..	Indian Ocean Tuna Fishing Reported Poor	114 ..	Fisheries Landings, 1959-1961
99 ..	Tuna Research Council Meets		South Africa Republic:
99 ..	Establishment of Central Tuna Cooperative Proposed	114 ..	Fisheries Trends, January-October 1962
100 ..	Exports of Tuna Vessels	115 ..	Cape Town Boatyard Builds Thirty Fishing Vessels
100 ..	Distant-Water Trawl Fishery		South-West Africa:
101 ..	Trawling Operations in Northwest Atlantic	116 ..	Eight South-West Africa Vessels to Fish for Tuna
101 ..	Trawler Fishes in Northwest Atlantic from St. Pierre Base		Spain:
102 ..	Tuna Vessel Construction	116 ..	Vigo Fisheries Trends, July-August 1962
102 ..	Trawl Fleet and Trawler Construction		Tahiti:
102 ..	Fishery Catch of Importance to Canning Industry, 1957-1961; and Canned Fishery Products Exports, 1961	117 ..	Tuna Base Plan
104 ..	Japanese and United States Steamship Companies Reach Agreement on Freight-Pooling System		Taiwan:
105 ..	King Crab Fall Fishing in Eastern Bering Sea Ends	117 ..	Fisheries Trends, Third Quarter 1962
105 ..	Shipments of Frozen Oysters to the United States Under New U. S.-Japanese Shellfish Sanitation Agreement		Togo:
105 ..	Sperm Whale Oil Production for 1962/63 Season Reported Sold	118 ..	FAO Fisheries Expert Describes Project to Improve Fishing Industry
	Mexico:		Tunisia:
105 ..	West Coast Shrimp Fishery Trends, October-November 1962	119 ..	Territorial Waters and Fishing Limits Extended
106 ..	Changes in Export Duties on Fresh and Frozen Fishery Products		United Kingdom:
	Morocco:	120 ..	Fishery Loans Interest Rates Revised
106 ..	Foreign Sardine Exports to France Encounter Trouble Again	120 ..	White Fish Authority Sets Up New Engineering Unit
	Netherlands:		FEDERAL ACTIONS:
106 ..	Foreign Trade, Production, and Supply of Fish and Marine-Animal Oils, January-June 1962		Department of State:
	Nigeria:	121 ..	Sodium Alginate Import Duty Reduced
108 ..	Polish Scientist Appointed by FAO to Head Fisheries Project		Agency for International Development:
	Norway:	121 ..	Foreign Currencies Set Aside for Local Currency Loans
109 ..	Exports of Canned Fishery Products, January-June 1962		U. S. Tariff Commission:
	Panama:	122 ..	Revision of Rules of Practice and Procedure
109 ..	Spiny Lobster Exploratory Fishing Project		Department of Treasury:
	Peru:	122 ..	Effective Date of New Tariff Schedules Postponed
111 ..	Supply, Exports, and Consumption of Edible Fishery Products, 1960-1962		FISHERY INDICATORS:
	Philippines:	123 ..	Chart 1 - Fishery Landings for Selected States
112 ..	Plan to Develop Fisheries	124 ..	Chart 2 - Landings for Selected Fisheries
113 ..	Fishing Industry Developments	125 ..	Chart 3 - Cold-Storage Holdings and Freezings of Fishery Products
		126 ..	Chart 4 - Receipts and Cold-Storage Holdings of Fishery Products at Principal Distribution Centers
		126 ..	Chart 5 - Fish Meal and Oil Production - U.S. and Alaska
		127 ..	Chart 6 - Canned Packs of Selected Fishery Products
		128 ..	Chart 7 - U. S. Fishery Products Imports
			RECENT FISHERY PUBLICATIONS:
		129 ..	Fish and Wildlife Service Publications
		130 ..	Miscellaneous Publications

