

Miami, the local fish industry, and the State of Florida we bid all of you welcome. May your work be profitable and enjoyable; your determination stronger; and your stay most pleasant. By all means come back again, we are very happy to have all of you here.

Opening Address

RICHARD A. KAHN

*Chief, Branch of Economic Facilities, Defence Fisheries Administration,
Washington, D. C.*

WHEN I HAD THE HONOR of delivering the opening address in 1948, at the first meeting of the Gulf and Caribbean Fisheries Institute, the hope was expressed that enlightenment would radiate from this new enterprise, established in the United States, all over the countries and nations which comprise the Gulf and Caribbean area. International trade of fish and fishery products in this area has developed in the last three years and this enrichment of international trade has been due, to a large extent, to interest in the Gulf and Caribbean area brought about by this Institute.

Detailed figures on the United States trade with the Gulf and Caribbean area will be found at the end of this paper.

Exports of canned salmon from the United States to six Gulf and Caribbean countries consisting of Mexico, Panama, Cuba, Haiti, Dominican Republic, and Columbia, increased from about 162,000 pounds in 1948 to about 344,000 pounds in 1950. More than half of these went to Mexico. Exports of canned sardines to fourteen countries in the Gulf and Caribbean area increased from about 4,700,000 pounds in 1948 to about 17,300,000 pounds in 1950. More than half of them went to Cuba, about 2,500,000 pounds were exported to Venezuela, a great fish producing country itself. About a million pounds of canned mackerel were exported in 1950 to Salvador. Salvador is in the Gulf area, but not located at the Gulf. Among the imports from Gulf and Caribbean countries to the United States, imported Mexican shrimp increased 77% from about 22,000,000 pounds in 1948 to about 39,000,000 in 1950. Other species, however, show more perplexing figures. Imports of canned spiny lobsters from Cuba increased by 144% from 294,000 pounds in 1948 to 719,000 pounds in 1950. Clams, fresh or frozen, imported from Mexico increased from about 307,000 pounds in 1949 to about 827,000 pounds in 1950. The imports of fresh or frozen tuna from Cuba to the United States, still small in absolute figures, increased more than ten times in the three years. In 1950 182,000 lbs. were imported. Imports of fishery products, considered specialties of the Gulf and Caribbean, such as spiny lobsters (not canned) and turtles remained relatively unchanged; about 500,000 pounds from the Bahamas, about 1,000,000 pounds from Cuba, about 300,000 from Mexico were imported.

The production figures within the Gulf and Caribbean area are not as satisfactory as the international trade figures are. The phenomenal development of the shrimp fisheries in the United States and Mexico cannot be considered as normal evolution of local fisheries for domestic consumption needs. While the production of fishery products per fisherman in the United States-Gulf area on the basis of 1947 figures is 24,577 pounds (including 8,722 pounds non-food fish), the production in the other independent countries of the Gulf and

Caribbean area is about 3,650 pounds and in the dependent countries of the Gulf and Caribbean about 1,880 pounds, on the basis of figures published by the Food and Agriculture Organization of the United Nations. The production per capita of the population in the Gulf States of the United States from the Gulf-Caribbean area is about 30.1 pounds fish in the round (including 11.4 non-food fish), in the other independent countries 6.6 pounds round weight; and in the dependent territories, about 10.1 pounds, round weight.

It was known when this Institute was established that the population of the Gulf and Caribbean area outside the United States suffers from insufficient domestic fish production. However, as Goethe said: "The truth requires constant repetition because error is preached about us all the time." The truth is that more fish at reasonable prices must be made available to the peoples of the Gulf and Caribbean area in the interest of their physical development. Many ways and means of accomplishing this have been discussed in earlier meetings of this Institute.

Dr. F. G. Walton Smith in his welcoming address in 1948 mentioned the fact that the Institute, by bringing together biologists, processors, technologists and economists, is actually universal in its character. Let me develop somewhat further this idea of universality. It is expressed also in the fact that this Institute is part of a university. The name university itself indicates that this is an institute where *all* arts and sciences are taught. This is not the only meaning of the word university. It means also that *all* sciences and arts should be included in the knowledge of those who graduate from the university. The true student should be universal and liberal in his education and also in his character. That does not mean that he should add in his mind innumerable details of knowledge, but he should have a broad concept of all the knowledge of his time and he should acquire such knowledge the liberality and the nobility of spirit, which is broadmindedness towards all and everybody. Universality and liberality in education brings about a certain morality of character which makes for easy understanding of different religions, different languages and different races. When I look towards the development of my own art namely, political economy, I should remember that the founder of this art of political economy was a professor of moral philosophy in Glasgow, Adam Smith. The science which is the concern of most of you here namely, biology, was, until the turn of the century, 1900, included in the curriculum of the Departments of Philosophy. We do not have to excuse ourselves if we, as economists or biologists, again become philosophical and universal. That is what the spirit of the university requests from us, and that is just what we want to do. Let us have this great idea of a broad education in mind when we proceed in our separate sessions namely; the commercial session, the shellfish session, the economic session, the technology session, and the Caribbean session. All these sessions should be held in the spirit of universality. If we follow this line of thinking, we will tend to liberalize our minds and to come to a real enjoyment of this exceptionally fine place, in which we are assembled. Let me close with the great words of Aristotle, "Of possessions," he says, "those rather are useful, which bear fruit; those liberal, which tend to enjoyment. By fruitful, I mean those which yield revenue; by enjoyable, where nothing accrues of consequence beyond the using." What we acquire here during the next days will be useful as well as liberal possessions, in the meaning of Aristotle. For many the acquisition of knowledge on possible exports, on technological developments and on exploratory fishing should be fruitful. But to all of us the new acquisition of some more knowledge should be enjoyable in the meaning of the philosopher, because

nothing accrues of consequences beyond the acquisition. In this way we contribute to the liberal and universal education, which so successfully is pursued by the University of Miami.

U. S. FOREIGN TRADE WITH GULF AND CARIBBEAN AREAS

I. EXPORTS FROM THE UNITED STATES TO COUNTRIES OF THE GULF AND CARIBBEAN AREAS.

Item	BAHAMAS		
	1948 lbs.	1949 lbs.	1950 lbs.
Fish, nes, fresh or frozen	9,699	10,633	3,119
Oysters, shucked, fresh or frozen	....	....	230
Shrimp, fresh or frozen	200	....	753
Fish, smoked or kippered	....	295	1,489
Salmon, canned	4,805	421	444
Sardines, canned, inc. pilchards	3,049	....	1,125
Fish, canned, nes, ex. shellfish	1,189	72	7,435
Clams, canned	....	510	....
Salmon, fresh or frozen	449	....	....
Shrimp, salt, pickled, dried, cured	100	....	....
Salmon, salt, pickled, dried, cured	265	....	....
Herring, canned	367	....	....
Shrimp, canned	102	....	....
Fish and prod. ed. nes	2,114	....	....
	BARBADOS		
Shrimp, fresh or frozen	....	....	528
Shrimp, canned	280	....	....
	BERMUDA		
Salmon, fresh or frozen	3,173	1,529	633
Cod, haddock, fresh or frozen	....	2,315	400
Fish, n. e. class., fresh or frozen	2,666	3,023	3,134
Oysters, fresh or frozen, in shell	....	1,400	....
Shrimp, fresh and frozen	4,629	4,027	11,644
Lobster, fresh and frozen	795	....	695
Shellfish, n. e. class., fresh or frozen	....	220	1,545
Fish, smoked or kippered	....	201	393
Salmon, canned	17,432	....	1,440
Sardines, canned, incl. pilchard	2,310	450	180
Crabs, crab meat, canned	2,755	3,996	....
Clams, fresh or frozen	100	800	....
Tuna, canned	....	16,301	....
Fish, nes, canned, except shellfish	11,087	717	....
Shrimp, canned	6,058	3,630	30
Shellfish, pres., prep., nes	....	80	....
Oysters, fresh, frozen, shucked	1,572	....	....
Cod, haddock, hake, etc., salt., pickled, dried, cured	200	....	....
Fish, nes, salt., pickled, dried, cured	200	....	....
Herring, canned	600	....	....
Lobster, canned	53	....	....
Clams and oysters, canned	150	....	....
Crabs, fresh or frozen	300	....	....
Fish and prod, ed., nes	5,370	....	....
	BRITISH GUIANA		
Sardines, canned, inc. pilchards	....	58,425	....

BRITISH HONDURAS

Salmon, canned	630	....	310
Sardines, canned, inc. pilchards	2,250	....	8,330
Fish and prod. ed., nes	205	....	....

CANAL ZONE, PANAMA

Salmon, fresh or frozen	8,917	15,200	990
Cod, haddock, etc., fresh or frozen	....	86,510	12,698
Fish, fresh or frozen, n.e. class.	190,075	54,457	23,090
Oysters, shucked, fresh or frozen	7,968	13,230	6,637
Shrimp, fresh or frozen	50,458	34,400	3,462
Lobsters, fresh or frozen	6,625	2,620	940
Shellfish, fresh or frozen, n.e. class.	....	7,805	4,750
Cod, haddock, salt., or pickled, dried, cured	634,244	526,649	361,334
Herring, salt. or pickl.	1,650	16,890	750
Fish, salt. or pickl., n.e. class.	105,612	24,850	12,000
Fish, smoked or kippered	....	1,845	3,670
Salmon, canned	109,300	....	48,404
Sardines, canned, incl. pilchards	123,610	71,118	110,342
Cod, haddock, hake, etc., canned	338	1,600	500
Tuna, canned	....	19,123	32,554
Fish, canned, n. e. class.	13,894	9,832	11,148
Shrimp, canned	8,525	9,501	4,017
Crab and crab meat, canned	3,390	2,116	1,434
Oysters, canned	....	4,233	1,472
Fish, prep., pres., n.e. class.	....	2,600	640
Shellfish, prep., pres., n.e. class.	....	....	165
Clams, fresh or frozen	944	300	....
Salmon, salt., pickle., dried, cured	....	1,940	....
Herring, canned	6,928	1,640	....
Mackerel, canned	....	1,200	....
Clams, canned	....	6,181	1,846
Oysters, fresh (in shell)	3,200	....	....
Lobsters, canned	1,555	....	....
Clams and oysters, canned	8,630	....	....
Crabs, fresh or frozen	573	....	....
Fish and prod. ed. nes	58,178	....	....

COLOMBIA

Herring, salted, pickled, dried, cured	11,245	45,150	10,967
Salmon, canned	111,584	30,102	173,034
Sardines, canned, inc. pilchards	197,284	992,157	2,274,845
Cod, haddock, hakes, etc., canned	....	....	3,000
Tuna, canned	....	12,793	62,275
Mackerel, canned	....	5,430	2,475
Fish, canned, nes, except shellfish	366,116	2,671	8,879
Shrimp, canned	12,963	9,850	32,979
Crabs and crab meat, canned	2,274	2,270	783
Oysters, canned	....	3,128	4,815
Clams, canned	....	1,047	705
Fish, nes, fresh or frozen	1,250	....	....
Cod, had., hake, etc., salt., pickle., cured	1,077	....	....
Herring, canned	2,061	....	....
Lobsters, canned	1,290	....	....
Oysters and clams, canned	4,553	....	....
Shellfish, nes, canned	2,487	....	....
Fish and prod. ed., nes	7,772	....	....

COSTA RICA

Cod, haddock, etc., salt., pickle., dried, cured	5,000	....	550
Shrimp, salt., pickle., dried, cured	1,414	2,500	1,930
Salmon, canned	27,513	2,466	7,590
Sardines, canned, inc. pilchards	478,708	611,429	1,322,884
Cod, haddock, hake, etc., canned	450	....	330
Fish, canned, nes., exc. shellfish	48,688	1,200	1,357
Shrimp, canned	4,556	2,577	2,967
Oysters, canned	....	805	808
Mackerel, canned	....	1,350	....
Crabs, crab meat, canned	537	97	....
Oysters, fresh, frozen, shucked	88	....	....
Shrimp, fresh or frozen	450	....	....
Herring, salt., pickle., dried, cured	2,300	....	....
Sardines, salt. pickle., dried, cured	2,250	....	....
Herring, canned	1,325	....	....
Clams and oysters, canned	3,110	....	....
Fish and prod. ed., nes	3,430	....	....

CUBA

Salmon, fresh and frozen	13,011	1,578	535
Cod, haddock, fresh and frozen	....	....	2,540
Fish, n.e. class, fresh and frozen	34,925	22,388	30,034
Shrimp, fresh and frozen	12,452	10,554	21,000
Shellfish, n.e. class, fresh and frozen	....	16,096	19,290
Salmon, salted, pickle., or cured	....	....	480
Cod, haddock, salted, pickle., dried, cured	4,764	51,640	6,348
Herring, salted, pickled, dried, cured	58,627	37,457	36,532
Fish, n.e. class., salted or pickled	2,214	2,831	7,122
Shrimp, salted, pickled, dried or cured	161,643	131,462	261,564
Shellfish, n.e. class, salted or pickled	....	7,500	1,380
Salmon, canned	7,909	16,514	82,750
Sardines, canned, incl. pilchards	3,061,293	5,001,950	9,458,331
Herring, canned	7,752	....	4,214
Tuna, canned	....	....	20,001
Mackerel, canned	....	45,540	20,550
Fish, canned, n.e. class.	197,579	60,959	98,159
Shrimp, canned	51,554	36,882	77,179
Crabs and crab meat, canned	400	216	280
Oysters, canned	....	435	1,270
Shellfish, canned, n.e. class.	36,282	97,643	167,849
Fish, prepared and pres., n.e. class	....	420	180
Oysters, fresh or frozen (in shell)	3,810	555	370
Clams and oysters, canned	686	....	....
Clams, fresh or frozen	990	....	....
Fish and prod. ed. nes	118,006	....	....

DOMINICAN REPUBLIC

Fish, nes, fresh or frozen	....	620	616
Shrimp, fresh or frozen	375	....	300
Cod, haddock, etc., salt., pickled, dried, cured	600	....	19,300
Herring, salt., pickle., dried, cured	....	1,000	160
Salmon, canned	6,782	25,200	14,697
Sardines, canned, inc. pilchards	24,175	20,243	78,940
Herring, canned	....	....	18,000
Tuna, canned	....	1,185	1,605
Fish, canned, nes. exc. shellfish	1,845	66	1,086

Shrimp, canned	750	1,500	5,778
Oysters, canned	....	97	97
Shellfish, nes, fresh or frozen	....	110	....
Shrimp, salted, pickled, dried, cured	....	200	....
Crab, crab meat, canned	113	959	....
Fish, nes., salted, pickled, dried, cured	3,900	....	....
Clams and oysters, canned	173	....	....
Fish and prod. ed., nes	73,827	....	....
FRENCH WEST INDIES			
Salmon, canned	....	....	2,726
Fish, canned nes., class., exc. shellfish	2,400	....	....
GUATEMALA			
Fish, fresh, frozen, n.e. class.	3,000	300	300
Oysters, shucked, fresh or frozen	5,622	304	340
Shrimp, fresh or frozen	450	3,010	4,035
Cod, haddock, hake, salted or pickled, dried, cured	11,600	16,320	13,028
Herring, salted, pickled, dried, cured	400	300	275
Fish, salted, pickled, dried or cured n.e. class.	....	500	500
Salmon, canned	9,778	16,665	10,298
Sardines, canned, inc. pilchards	289,744	967,743	1,184,830
Herring, canned	....	....	280
Tuna, canned	....	781	1,586
Fish, canned, n.e. class.	20,954	3,944	355
Shrimp, canned	6,626	8,582	9,511
Crab and crab meat, canned	842	285	701
Oysters, canned	....	2,606	2,232
Shellfish, canned, n.e. class.	558	2,592	570
Lobsters, fresh or frozen	....	220	....
Shrimp, salted, pickled, dried, cured	....	620	710
Cod, haddock, hake, canned	2,340	800	....
Mackerel, canned	....	600	....
Clams and oysters, canned	2,528	....	....
Fish and prod., nes. ed.	2,768	....	....
HAWAII			
Fish, nes., fresh or frozen	200	....	236
Shellfish, nes., fresh or frozen	....	....	360
Salmon, salted, pickled, dried or cured	200	....	400
Fish, nes., salted, pickled, dried, or cured	1,000	....	800
Salmon, canned	2,880	6,072	5,424
Sardines, canned, inc. pilchards	4,695	4,792	10,724
Fish, canned, nes., exc. shellfish	63	....	140
Cod, haddock, dried, cured, salted, pickled	....	510	....
Fish, smoked or kippered	....	6,048	....
Herring, salted, pickled, dried, cured	134,584	....	....
Shrimp, canned	84	....	....
Fish and prod. ed., nes	66,340	....	....
HONDURAS			
Cod, haddock, fresh or frozen	....	....	240
Cod, haddock, salted or pickled, dried, cured	860	1,760	1,374
Herring, salted or pickled	....	1,326	1,305
Shrimp, salted or pickled	210	944	3,037
Salmon, canned	15,081	8,464	5,352
Sardines, canned, inc. pilchards	124,865	308,877	344,950
Tuna, canned	....	....	630

Mackerel, canned	6,907	15,140	700
Fish, canned, n.e. class.	3,847	3,174	1,313
Shrimp, canned	1,325	1,710	1,999
Oysters, shucked, fresh or frozen	.....	262	.....
Shrimp, fresh or frozen	.....	113	.....
Salmon, salted, pickled, dried, or cured	.....	390	.....
Cod, haddock, hake, etc., canned	250	1,015	.....
Herring, canned	.....	900	.....
Shellfish, nes., canned	192	.....	.....
Crabs, crab meat, canned	448	.....	.....
Clams and oysters, canned	801	.....	.....
Fish and prod., nes. ed.	.....	.....	.....
JAMAICA			
Salmon, canned	1,506	3,027	1,711
Sardines, canned, inc. pilchards	.....	142	94,237
Tuna, canned	.....	402	234
Fish, canned, nes. exc. shellfish	.....	52	379
Crabs and crab meat, canned	.....	97	112
Herring, canned	.....	250	.....
Shrimp, canned	.....	150	.....
Salmon, salted, pickled, dried, cured	2,000	.....	.....
Fish and prod. ed., nes	720	.....	.....
LEEWARD ISLANDS			
Tuna, canned	.....	516	200
Shrimp, canned	.....	.....	100
Fish, canned, nes., exc. shellfish	.....	123	.....
Cod, haddock, hake, etc., salted, pickled, dried, cured	480	.....	.....
MEXICO			
Salmon, fresh or frozen, exc. canned	150	.....	400
Cod, haddock, fresh or frozen	.....	.....	1,000
Fish, nes, fresh or frozen	20,857	10,917	20,328
Oysters	18,865	.....	525
Shrimp, fresh or frozen	.....	13,150	6,215
Clams, fresh	.....	.....	1,920
Lobsters, fresh and frozen	1,600	3,612	2,938
Salmon, salted, pickled, cured	1,125	.....	192
Cod, haddock, hake, salted, pickled, cured	1,000	14,300	2,550
Herring, salted, pickled, dried, cured	28,245	.....	27,150
Fish, nes, dried, cured	23,203	650	.....
Shellfish, nes.	.....	.....	700
Fish, smoked, nes.	.....	.....	5,978
Salmon, canned	8,381	8,720	18,395
Sardine, canned, inc. pilchards	39,675	56,653	150,813
Cod, haddock, canned	.....	.....	1,100
Tuna, canned	.....	300	400
Fish, canned, nes.	13,298	6,684	18,306
Crab and crab meat, canned	4,758	1,803	584
Oysters, canned	.....	.....	.....
Shellfish, canned, nes.	23,985	.....	7,425
Fish prod., nec.	.....	1,200	600
Shellfish, pr., nec	.....	.....	.....
Fish, pr., nec.	.....	21,367	.....
Shrimp, salted, pickled, dried, cured	2,454	.....	.....
Sardines, salted, pickled, dried, cured	2,736	.....	.....
Shrimp, canned	228	.....	.....
Fish and prod. ed., nes.	21,367	.....	.....

NETHERLAND'S ANTILLES

	4,308	8,297	3,039
Salmon, fresh or frozen	.....	32,902	11,225
Cod, haddock, fresh or frozen	17,920	19,610	18,272
Fish, fresh or frozen, n.e. class.	1,325	740	108
Oysters, fresh or frozen, shucked	7,061	10,184	26,961
Shrimp, fresh or frozen	60	600	1,492
Lobsters, fresh or frozen	.....	975	2,650
Shellfish, fresh or frozen, n.e. class.	29,315	24,430	23,325
Salmon, salted, pickled, or cured	.....	76,006	53,579
Cod, haddock, etc., salted, pickled, dried, cured	110,317	2,100	3,400
Herring, salted, pickled	9,200	12,965	5,418
Fish, salted, pickled, n.e. class.	15,200	26,155	17,485
Shrimp, salted, pickled or cured or dried	23,790	10,203	8,800
Fish, smoked or kippered	.....	193,347	176,276
Salmon, canned	156,364	36,149	123,966
Sardines, canned, inc. pilchards	59,403	.....	5,190
Herring, canned	1,177	5,412	5,790
Tuna, canned	.....	935	3,730
Fish, canned, n.e. class.	6,423	26,511	42,072
Shrimp, canned	32,383	3,236	2,651
Crabs and crab meat, canned	12,491	1,768	2,031
Oysters, canned	.....	240	450
Fish, prep. pres. n.e. class	.....	200	.....
Shellfish, nes., salted, pickled, dried, cured	3,888	.....	.....
Oysters, fresh (in shell)	735	.....	.....
Cod, haddock, hake, etc., canned	4,684	.....	.....
Lobsters, canned	8,133	.....	.....
Clams and oysters, canned	624	.....	.....
Shellfish, nes., canned	55,059	.....	.....
Fish and prod. ed. nes.	.....	.....	.....

NICARAGUA

Cod, haddock, etc., salted, pickled, dried, cured	.....	.....	240
Salmon, canned	14,931	6,421	15,738
Sardines, canned, inc. pilchards	47,178	7,866	12,913
Tuna, canned	.....	1,615	2,737
Fish, canned, nes. exc. shellfish	2,446	338	204
Shrimp, canned	2,017	1,755	3,351
Crabs and crab meat, canned	140	.....	177
Oysters, canned	.....	640	635
Fish, fresh, frozen, nes. class. exc. canned	300	.....	.....
Shrimp, fresh or frozen	265	.....	.....
Shrimp, salted, pickled, dried, cured	200	.....	.....
Sardines, salted, pickled, dried, cured	480	.....	.....
Cod, haddock, hake, canned	680	.....	.....
Clams and oysters, canned	751	.....	.....
Fish and prod. ed. nes.	60	.....	.....

PANAMA

Cod, haddock, fresh or frozen	.....	.....	240
Shrimp, fresh or frozen	904	1,848	700
Salmon, salted and pickled, dried, cured	.....	200	700
Herring, salted and pickled	144	1,199	3,764
Shrimp, salted, pickled, or cured	59,015	81,124	90,179
Fish, smoked or kippered	.....	367	906
Salmon, canned	22,080	62,167	34,261
Sardines, canned, incl. pilchards	132,709	404,147	713,324

Tuna, canned	....	3,438	6,818
Fish, canned, n.e. class.	9,576	2,356	383
Oysters, canned	....	840	140
Shellfish, canned, n.e. class.	1,560	2,264	1,200
Fish, nes., fresh or frozen	10,669	4,800	....
Oysters, shucked, fres hor frozen	414	720	....
Herring, canned	180	338	....
Shrimp, canned	8,508	7,498	9,912
Crabs, crab meat, canned	120	465	....
Fish, nes., salted, pickled, dried, cured	16,889	....	....
Clams and oysters, canned	1,450	....	....
Fish and prod. nes. ed.	2,717	....	....

SALVADOR

Cod, haddock, hake, etc., salted, pickled, dried, cured	6,820	7,240	3,500
Herring, salted, pickled, dried, cured	....	332	420
Shrimp, salted, pickled, dried, cured	....	....	1,000
Salmon, canned	3,008	10,558	17,463
Sardines, canned, inc. pilchards	50,666	188,475	119,530
Cod, haddock, hake, etc., canned	....	1,400	4,800
Tuna, canned	....	357	566
Mackerel, canned	....	608,515	992,205
Fish, canned, nes. exc. shellfish	216,561	141,268	330,732
Shrimp, canned	606	953	2,602
Crabs, crab meat, canned	344	994	1,907
Oysters, canned	....	382	382
Cod, haddock, etc., fresh or frozen	....	5,850	....
Fish, nes., fresh or frozen	....	4,800	....
Lobsters, fresh or frozen	....	150	....
Oysters, fresh, frozen (shucked)	110	....	....
Fish and prod. nes. ed.	180	....	....

SURINAM

Salmon, canned	31,258	48,485	23,624
Sardines, canned, inc. pilchards	80,485	255,048	309,630
Shrimp, canned	....	85	345
Crabs and crab meat	....	495	360
Herring, salted, pickled, dried, cured	....	6,165	....
Tuna, canned	....	190	....
Shrimp, fresh or frozen	1,160	....	....
Salmon, salted, pickled, dried, cured	10,500	....	....
Fish and prod. ed. nes.	223	....	....

TRINIDAD

Sardines, canned, inc. pilchards	....	....	4,500
Shrimp, canned	....	....	356
Tuna, canned	....	135	....
Fish, canned, nes. exc. shellfish	294	117	....
Salmon, canned	886	....	....
Crabs, crab meat, canned	113	....	....
Shellfish, nes., canned	1,100	....	....

VENEZUELA

Salmon, fresh or frozen	5,589	816	4,267
Cod, haddock, fresh or frozen	....	34,327	21,232
Fish, fresh or frozen, n.e. class.	98,717	44,234	53,705
Oysters, fresh or frozen (in shell)	8,339	26,425	3,875
Oysters, fresh or frozen (shucked)	2,756	2,493	2,631
Shrimp, fresh or frozen	13,969	20,933	32,625
Lobsters, fresh or frozen	336	448	1,797

Shellfish, fresh or frozen, n.e. class.	.....	30,976	48,529
Salmon, salted, pickled, dried, or cured	960	.....	330
Cod, haddock, salted, pickled, dried, cured	731	21,830	32,112
Herring, salted or pickled	25,890	26,451	43,217
Shrimp, salted, pickled, or cured	5,417	5,683	2,050
Shellfish, salted, pickled, n.e. class.	.....	.....	230
Fish, smoked or kippered	.....	13,778	5,961
Salmon, canned	365,092	473,717	97,650
Sardines, canned, inc. pilchards	211,593	879,781	2,141,287
Cod, haddock, hake, canned	4,245	2,940	270
Tuna, canned	.....	244,857	140,535
Fish, canned, n.e. class.	151,717	83,789	26,629
Shrimp, canned	175,785	201,056	146,395
Crab and crab meat, canned	9,404	11,891	2,972
Oysters, canned	.....	22,012	8,922
Clams, canned	19,725	1,485	2,337
Shellfish, canned, n.e. class.	.....	5,085	6,046
Fish, prep. pres. n.e. class.	.....	4,975	420
Fish, nes. salted, pickled, dried, cured	300	3,137	750
Herring, canned	14,364	3,183	.....
Lobsters, canned	7,388	.....	.....
Clams and oysters, canned	17,249	.....	.....
Fish and prod. ed. nes.	53,577	.....	.....

U. S. FOREIGN TRADE WITH GULF AND CARIBBEAN AREAS

II. IMPORTS TO THE UNITED STATES FROM COUNTRIES OF THE GULF AND CARIBBEAN AREAS

Item	BAHAMAS		
	1948 lbs.	1949 lbs.	1950 lbs.
Tuna, fresh or frozen	.....	1,000	900
Halibut, salmon & fresh-water fish	.....	452	.....
Fish filleted, etc., nes, fresh or frozen	120	1,003	.....
Shark fins, dried and unsalted	2,329	787	470
Fish whole, etc., nes, fresh or frozen	285,125	350,850	337,939
Lobster, not canned	1,197,821	1,297,857	1,289,496
Turtles	5,833	4,792	8,488
Clams, fresh or frozen, not airtite	.....	.....	6,000
Shellfish, nes	72,925	73,006	60,871
	BRITISH HONDURAS		
Fish filleted, etc., nes, fresh or frozen	5,122	.....	2,900
Shark fins, dried and unsalted	.....	200	.....
Fish whole, etc., nes, fresh or frozen	40,611	.....	.....
Lobster, not canned	136,263	53,110	83,168
Shrimp and prawns	192	.....	.....
Shellfish, nes	235	.....	.....
	CANAL ZONE, PANAMA		
Tuna fish, in oil	4,815	.....	.....
Shrimp and prawns	.....	1,200	148,250
	COLOMBIA		
Tuna, fresh or frozen	.....	50,000	.....
Shark fins, dried and unsalted	.....	1,488	.....
Shrimp and prawns	6,080	.....	.....
	COSTA RICA		
Shark fins, dried and unsalted	11,193	3,080	.....

CUBA			
Tuna, fresh or frozen	.....	12,052	182,040
Halibut salmon, and fresh-water fish	.....	.....	46,554
Fish filleted etc., nes, fresh or frozen	6,720	9,360	136,293
Frog legs, fresh chilled frozen	602,483	734,532	360,744
Shark fins, dried and unsalted	13,015	2,199	1,791
Fish whole, etc., nes, fresh or frozen	52,905	6,367	136,133
Tuna fish in oil	.....	.....	8,823
Bonito and yellowtail-over 9 cents	.....	50	840
Fish pickled nes-over 15 pounds	7,500	.....	.....
Lobster, not canned	1,150,792	1,449,217	1,082,914
Lobster, canned	294,449	166,248	719,388
Turtles	.....	17,288	17,225
Crabs, prep. or pres. nes	.....	2,690	1,406
Crabs, fresh or frozen	1,287	9,140	49,439
Shrimp and prawns	14,496	.....	.....
Shellfish, nes	2,500	50	.....
FRENCH GUIANA			
Shark fins, dried and unsalted	499	905	.....
GUATEMALA			
Lobster, canned	1,238	.....	.....
Shrimp and prawns	.....	2,000	.....
HONDURAS			
Halibut salmon and fresh-water fish	.....	.....	6,572
Shark fins, dried and unsalted	221	241	497
Fish whole, etc., nes, fresh or frozen	.....	7,864	2,000
Lobster, not canned	6,616	15,200	2,680
Turtles	.....	.....	800
JAMAICA			
Fish filleted, etc., nes, fresh or frozen	.....	.....	101
Shark fins, dried and unsalted	25	620	461
Fish whole, etc., nes, fresh or frozen	.....	.....	932
Lobster, not canned	7,150	11,250	27,160
Turtles	278,845	355,970	489,053
Shellfish, nes	.....	.....	960
LEEWARD ISLANDS			
Shark fins, dried and unsalted	.....	.....	36
Fish whole, etc., nes, fresh or frozen	.....	5,526	1,041
Lobster, not canned	2,085	52,590	35,608
Turtles	32,100	20,257	68,150
Shellfish, nes	.....	.....	100
MEXICO			
Tuna, fresh or frozen	1,984,146	1,990,098	49,691
Halibut salmon, and fresh-water fish	12,546	8,373	61,148
Fish filleted, etc., nes, fresh or frozen	3,927	12,455	90,117
Shark fins, dried and unsalted	177,248	157,512	40,093
Fish, nes, dried and unsalted	5,735	1,369	.....
Fish whole, etc., nes, fresh or frozen	3,432,853	3,867,872	3,808,183
Tuna fish in oil	.....	44	44
Tuna Antipasto and smoked pollock	.....	.....	60
Antipasto in oil, not over 9 cents	.....	18	.....
Antipasto in oil, over 9 cents	17	217	.....
Fish roe, not boiled	65	939	2,741
Clams, excl. razor and clam comb.	.....	9,450	13,262
Fish pickled, nes, over 15 pounds	17,196	16,937	8,930
Lobster, not canned	2,052,531	2,053,779	2,223,241
Lobster, canned	.....	3,300	.....

Turtles	444,479	627,479	585,513
Crabs, fresh or frozen	4,409	.....	.....
Clams, fresh or frozen, not airtite	307,368	255,448	827,567
Shrimp and prawns	21,477,390	29,382,193	39,652,640
Scallops, frozen, dried, canned	.....	.....	2,071
Oyster, fresh or frozen, not airtite	4,728	5,426	34,050
Abalone	4,428,085	5,036,772	4,559,799
Shellfish, nes	21,764	1,874	21,854
NETHERLAND'S ANTILLES			
Shark fins, dried and unsalted	.....	2,840	1,000
Lobster, not canned	.....	.....	1,750
NICARAGUA			
Shark fins, dried and unsalted	19,363	8,773	.....
Lobster, not canned	406	.....	.....
Turtles	27,300	21,150	104,800
Shrimp and prawns	.....	1,900	.....
Oyster, fresh or frozen, not airtite	248	.....	.....
PANAMA			
Shrimp and prawns	.....	.....	143,006
TRINIDAD			
Shark fins, dried and unsalted	.....	7,368	...
Lobster, not canned	.....	50	.....
VENEZUELA			
Shark fins, dried and unsalted	.....	17,726	..
Fish pickled, nes, over 15 pounds	8,470	12,936	.....

PRODUCTION, NUMBER OF FISHING CRAFT AND NUMBER OF FISHERMEN¹ IN THE GULF AND CARIBBEAN AREA

INDEPENDENT COUNTRIES:	Pounds Landed	Number of Fish- ing Craft	Number of Fishermen
Honduras	600,000	100	200 ²
Venezuela	122,800,000	4,260	20,000
Costa Rica	4,400,000	100	200 ²
Colombia	10,000,000	1,238	2,116
Nicaragua	200,000	100 ²	200 ²
Panama	1,400,000	224	530
Mexico	105,000,000	4,056	11,000
Guatemala	200,000	100	200
El Salvador	800,000	100 ²	250 ²
Dominican Republic	1,000,000	587	1,383
Haiti	3,000,000	2,000 ²	4,000
Cuba	42,200,000	2,509	40,000
	<hr/> 291,600,000	<hr/> 15,374	<hr/> 80,079
DEPENDENCIES:			
Bahamas	1,600,000	133	624
Barbados	500,000	800 ²	2,000 ²
British Guiana	4,000,000	383	700
British Honduras	600,000	500	500
Curacao	1,000,000	200 ²	400 ²
French Guiana	6,000,000	30 ²	30

¹ Latest figures available for the respective country.

² Interpolated estimates

Guadeloupe	800,000	854	3,372
Jamaica	11,000,000	3,000 ²	7,500
Leeward Islands	1,400,000	837	1,600 ²
Montserrat	600,000	800 ²	2,000 ²
Anguilla-St. Kitts Nevis	1,800,000	800 ²	1,600 ²
Virgin Islands (U.K.)	400,000	200 ²	400 ²
Martinique		654	805
Puerto Rico	2,600,000	1,900	1,369
Surinam	2,000,000	500 ²	833
Trinidad and Tobago	2,000,000 ²	948	2,000
Virgin Islands (U.S.A.)	11,200,000	286	405
Windward Islands	3,000,000 ²	2,216	4,000 ²
Dominica	2,200,000	300 ²	600 ²
Grenada	2,400,000	300 ²	600 ²
St. Lucia	3,200,000	400 ²	800 ²
St. Vincent	3,400,000	400 ²	800 ²
	<hr/>	<hr/>	<hr/>
	61,700,000	16,441	32,938
States of the United States:			
Texas	21,993,000	895	1,635
Louisiana	163,900,000	4,095	6,253
Mississippi	70,786,000	934	1,669
Florida	243,845,000	6,740	11,000
	<hr/>	<hr/>	<hr/>
	500,524,000	12,664	20,557
 TOTAL FOR AREA	 853,824,000	 44,479	 133,574