

## CRUISE SCHEDULES AND CRUISE RECORDS

This report contains the cruise schedules of the Albatross III (1948 - 1959), Delaware (1951, 1959, 1960), T - 79 (1956 - 1958), and commercial charters (1952 - 1959).

All the data available from each cruise are tabulated on a check list.

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SCHEDULE OF ALBATROSS III CRUISES  
Numbers 1-128, May 1948 to Feb. 19, 1959

<u>Cruise No.</u>	<u>Dates</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
1	1948 May 17-20	Study of effects of waste disposal off New York (National Research Council contract)	Royce
2	May 25-27	Tagging yellowtail flounders north along Cape Cod and in Cape Cod Bay	Royce
3	June 7-10	To test, by tagging, survival of haddock which pass through meshes of savings cod end. Georges Bank	Webster
4	June 21-29	To test, by tagging, survival of haddock which pass through meshes of savings cod end and to compare efficiency of a standard commercial otter trawl with rollers and V-D gear and a modified trawl without rollers and V-D gear. Georges Bank	Webster
5	July 13-21	Census of groundfish populations on Georges Bank	Royce
6	July 28-Aug. 5	Census of groundfish populations on southern New England banks and to test new oceanographic instruments with cooperating WHOI scientists	Royce
7	Aug. 5-25	Census of groundfish populations on Georges Bank	Webster
8	September 1	Demonstration Cruise, Woods Hole	
9	Sept. 8-10	Census of groundfish populations in South Channel area and experiments on the refrigeration of fish at sea	Webster
10	Sept. 29-Oct. 6	Census of groundfish populations in South Channel area	Webster

<u>Cruise No.</u>	<u>Dates</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
11	Oct. 14-19	Census of groundfish populations in South Channel area	Webster
12	Oct. 28-Nov. 6	Census of groundfish populations on the southern New England banks, tests of hydrographic gear by WHCI personnel, continuation of the study of the effect of waste acid disposal off New York City	Royce
13	Nov. 18-19	To test action of double-trousered trawl and to compare size selectivity of 4-5/8" stretched mesh and regular commercial mesh. Western side of South Channel.	Stringer
14	Dec. 1-9	Census of groundfish populations in the west central part of the Gulf of Maine	Webster
15	1949 Jan. 10-13	To test action of double-trousered trawl and to undertake mesh selectivity experiments. Western side of South Channel	Stringer
16	Jan. 17-19	To test action of double-trousered trawl and to undertake mesh selectivity experiments. Western side of South Channel	Stringer
17	Feb. 28	To measure horizontal and vertical of census net. Falmouth outer harbor	Royce
18	May 17-21	To determine distribution of temperature, salinity, and density between Cape Hatteras and Cape Lookout (Cooperative agreement with the Univ. of North Carolina Institute of Fisheries Research)	Royce
19	May 24-June 3	Census of groundfish populations and hydrographic survey of area between Cape Lookout and Cape Fear (Cooperative agreement with the Univ. of North Carolina Institute of Fisheries Research)	Buller

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
20	June 7	Demonstration cruise out of Moorhead City, N. C.	
21	June 8-12	To determine the distribution of shrimp eggs and larvae and fish and make a hydrographic survey in the area between Cape Lookout and Cape Fear	Royce
22	June 14-17	Census of groundfish populations and hydrographic survey area between Cape Lookout and Cape Hatteras	Royce
23	June 23-29	Mesh selectivity studies and tagging experiments on Georges and Browns Banks	Schuck
24	July 11-19	Mesh selectivity studies and underwater camera experiments by WHOI personnel. Georges Bank and South Channel	Stringer
25	July 25	Demonstration Cruise	
26	July 27-Aug. 5	Census of groundfish populations on Georges Bank	Buller
27	Aug. 11-15	Census of groundfish populations, South Channel, Cape Cod Bay, and southern New England banks	Buller
28	Sept. 7-16	Census of groundfish populations in the Gulf of Maine	Buller
29	Sept. 23-29	Mesh selectivity experiments on haddock and redfish. Georges Bank and Gulf of Maine	Stringer
30	1950 Jan. 4-13	Hydrographic survey of continental shelf between Long Island, N. Y. and Little River Inlet, N. C. (In cooperation with WHOI and Univ. of North Carolina)	Royce

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
31A	Jan. 16-24	To determine trawlability of bottom and availability of food fish on the continental shelf between Cape Fear and Cape Lookout (Cooperative Agreement with the Univ. of North Carolina)	Buller
31E	Jan. 16-24		Buller
31C	Feb. 6-12		Arnold
31D	Feb. 25-Mar. 6		Arnold
32	Feb. 25-Mar. 6	Hydrographic survey of area between Little River Inlet and Oregon Inlet (Cooperative agreement with the Univ. of North Carolina)	Arnold
33	March 15-30	Census of groundfish populations on Georges Bank	Buller
34	Apr. 24-May 5	Exploratory fishing and census of groundfish populations on the western Nova Scotian Banks	Royce
35	May 11-19	Census of groundfish populations with special study of fluke and yellowtail flounders near the continental edge of Southern New England. (Cooperative project with WHOI)	Schroeder
36	June 6-23	"Operation Cabot" Gulf Stream Study (Cooperative project, U. S. Navy, WHOI, Canadian Research Establishment, FWS, Scripps Inst. of Oceanog.)	Colton
37	July 6-12	Census of groundfish populations on Georges Bank	Royce
37A	July 31-Aug. 10	Census of groundfish populations on Georges Bank, Browns Bank, and the Gulf of Maine	Buller
38	Aug. 21-31	Census of groundfish populations, South Channel and southern New England banks. Studies of the gas content in the swim bladder (WHOI personnel)	Buller
39	Sept. 6-15	Tagging of scrod and large-sized haddock on Georges and western Nova Scotian Banks	Schuck

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
40-44	Feb. 9, 1951 to June 25, 1952	Operating under ONR contract for WHOI (Jezebel Program #8961)	
	June 1952 to Feb. 1953	Jezebel Program #8961 (operating out of Bayonne, N. J. ; to Bermuda, Morehead City, N. C.)	
	1953		
45	Mar. 3-11	To study vertical and horizontal distribution of redfish in the Gulf of Maine	Kelly
46	Mar. 19-Apr. 2	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank Area	Colton
47A	Apr. 9-13	To determine the characteristics of a fish school; area, density, and relation to the bottom, Georges Bank	Taylor
47B	Apr. 15-21	----- do -----	Taylor
48	Apr. 24-May 6	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circu- lation pattern in the Gulf of Maine- Georges Bank area	Colton
49	May 14-21	Mesh selectivity experiments on haddock. Southeast and south- west parts of Georges Bank	Clark
50	May 25-June 3	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank area	Colton
51	June 8-17	Mesh selectivity experiments on haddock. Vicinity of Jeffries Ledge, Gulf of Maine; South- east part of Georges Bank	Clark
52	July 20-29	Mesh selectivity experiments on haddock. Southeast and south- west parts of Georges Bank	Clark

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
53	Aug. 10-21	Studies of the distribution of redfish in the Gulf of Maine, southern edge of Georges Bank and Nantucket Shoals	Kelly
54	Sept. 1-14	Studies of the distribution of pre-recruit haddock in the Gulf of Maine-Georges Bank area	Colton
55	Sept. 22-25	Studies of the distribution of pre-recruit haddock on the Southern New England Banks	Colton
	Sept. 26, 1953 to Jan. 31, 1955	Laid up for lack of funds	
56	1955 Feb. 1-13	Studies of the distribution of groundfish on Georges Bank	Clark
57	Feb. 21-Mar. 9	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank area	Colton
58	Mar. 19-Apr. 1	----- do -----	Colton
59	April 6-12	Mesh selectivity studies LaHave Bank	Clark
60	April 19-May 3	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank area	Marak
61	May 16-28	----- do -----	Colton
62	June 6-18	Studies of the distribution of groundfish on Georges and Browns Banks	Clark
63	Aug. 15-19	Studies of the horizontal and vertical distribution of redfish in the Gulf of Maine and South Channel	Kelly
64	Aug. 23-Sept. 2	Mesh selectivity studies, Sable Island	Clark

Cruise No.	Date	Purpose of Cruise and Area Covered	Chief of Party
65	Sept. 7-16	Studies of the distribution of pre-recruit haddock in the Gulf of Maine-Georges Bank area	Colton
66	Sept. 21-28	Studies of the distribution of pre-recruit haddock on Georges and the southern New England banks	Colton
67	Oct. 3-5	Experiment with 6 types of bottom samplers. South of Martha's Vineyard	Wigley
68	Oct. 12-28	Mesh selectivity studies. Joint cruise with <u>Delaware</u> . Georges Bank	Clark
69	Nov. 15-23	Bottom survey to sample benthic fauna on southern part of Georges Bank and Nantucket Shoals.	Wigley
70	Dec. 6-19	Bottom survey of benthic fauna and to tag scallops on southern part of Georges Bank and Nantucket Shoals	Wigley
	1956		
71	Feb. 20-Mar. 2	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank area	Marak
72	Mar. 21-31	----- do -----	Colton
73	April 17-28	----- do -----	Colton
74	May 2-10	Mesh selectivity studies. Georges Bank	Clark
75	May 16-29	To determine the distribution of haddock eggs and larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine-Georges Bank area	Colton
76	June 11-24	----- do -----	Marak
77	July 5-11	Survey of sea scallop beds on Georges Bank	Posgay

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
78	July 16-17	Underwater TV testing, Buzzards Bay	Clark
79	July 23-Aug. 4	Mesh selectivity studies with <u>Delaware</u> (#23), Georges Bank	Clark
80	Aug. 9-17	Bottom survey of benthic fauna on Georges Bank	Wigley
81	Nov. 2-10	Studies of the distribution of pre-recruit haddock and whiting in the Gulf of Maine-Georges Bank area and the southern New England banks	Conover
82	Nov. 13-21	----- do -----	Conover
83	Nov. 27-30	Studies of the behavior and escapement of fish through the cod end of a commercial otter trawl with UTV. Provincetown, Cape Cod Bay, and No Man's	Livingstone
84	Dec. 6-14	Codfish and haddock tagging. Georges Bank	Wise
85	Dec. 19-20	Comparison of SMBA (CPS Emitron) and USFWS (Image-Orthicon) UTV equipment. Vicinity of Woods Hole	Livingstone
86	1957 Jan. 21-23	Studies of the mid-water distribution of red hake in respect to depth and temperature. South of Martha's Vineyard	Edwards
87	Jan. 30-Feb. 2	To study the behavior of trawl-caught haddock with UTV. Georges Bank	Livingstone
88	Feb. 19-28	To determine the distribution of herring larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine, Georges Bank and Bay of Fundy area	Farrin
89	Mar. 21-Apr. 5	To test the efficiency of various tags, to tag cod, and study groundfish behavior with UTV. Georges Bank, Browns Bank	Livingstone
90	April 11-17	To study in detail the nontidal drift pattern on Georges Bank with relation to the drift of haddock eggs and larvae	Colton

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
91	April 22-23	To test and calibrate 601b multiplane kite-otter. South of Martha's Vineyard	Colton
92	Apr. 25-May 2	To study in detail the nontidal drift pattern on Georges Bank with relation to the drift of haddock eggs and larvae	Colton
93	May 8-16	----- do -----	Marak
94	May 22-29	----- do -----	Colton
95	June 5-12	----- do -----	Colton
96	June 19-26	Study of the behavior of fish with UTV. Cape Cod Bay and South Channel	Livingstone
97	July 10-13	To study the behavior of whiting in trawls with UTV. South Channel	Clark
98	July 14-19	Silver hake tagging northwest of the Cultivator whistle buoy	Fritz
99	July 25-Aug. 2	Vertical distribution of redfish and haddock fry in the Gulf of Maine	Kelly
100	August 15	Demonstration Cruise out of Boston	
101	Aug. 21-30	Bottom survey of benthic fauna on Georges Bank, South Channel and Browns Bank	Wigley
102	Sept. 5-11	Vertical distribution of postlarval redfish in Gulf of Maine	Kelly
103	Sept. 18-26	Dredging, tagging, and observing spawning of sea scallops. Georges Bank	Posgay
104	Oct. 9-20	Haddock and cod tagging on Georges and Browns Banks	Jensen
105	Oct. 28-Nov. 8	Haddock and cod tagging in the Gulf of Maine and on Browns Bank	Wise
106	Dec. 3-20	To determine the distribution of herring larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine, Georges Bank and Bay of Fundy area	Temple

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
	1958		
107	Jan. 7-24	To determine the distribution of herring larvae, temp. and salinity; and the general circulation pattern in the Gulf of Maine, Georges Bank and Bay of Fundy area	Temple
108	Mar. 26-Apr. 9	To tag haddock and occupy IGY hydrographic section. Georges and Browns Banks	Jensen
109	Apr. 21-25	To study the behavior of fish and use of UTV for estimating population sizes of fish. Cape Cod fishing grounds	Livingstone
110	Apr. 30-May 8	Testing new high-speed sampler and calibration trials of multiplane kite-otter. Georges Bank	Marak
111	May 19-28	To study vertical distribution of fish eggs and larvae. Georges Bank	Colton
112	June 9-13	Studies of the behavior and orientation of groundfish with UTV. Stellwagen Bank and Mass. Bay	Livingstone
113	June 19-26	Sea scallop tagging and bottom photography. Georges Bank	Posgay
114	July 7-16	Whiting tagging. Georges Bank and New England coast	Fritz
115	July 23	Demonstration Cruise out of Boston Stellwagen Bank	
116	July 28-Aug. 1	Study the vertical distribution of post-larval redfish in the southwest part of the Gulf of Maine	Kelly
117	Sept. 9-16	Study the vertical distribution of redfish and occupy IGY hydrographic section. Georges Bank, Browns Bank, and southwest part of Gulf of Maine	Kelly
118	Sept. 22-Oct. 2	Studies of the distribution of pre-recruit haddock in the Gulf of Maine-Georges Bank area	Colton
119	Oct. 6-17	Studies of the distribution of pre-recruit haddock on Georges Bank	Marak

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
120	Oct. 20-28	Studies of the distribution of pre-recruit haddock on the southern New England banks	Colton
121	Nov. 4-7	To test current and temperature instrumentation used in conjunction with UTV, Cape Cod Bay	Livingstone
122	Nov. 17-26	Haddock tagging and populations studies on the Highland Grounds east of Stellwagen Bank and Cape Cod	Clark
123	Dec. 4-11	Sampling silver hake and yellowtail flounder south of Martha's Vineyard and off Nauset Light and Bell Telephone exercise	Fritz
124A	December 13	To test high-speed plankton sampler. Southeast of Block Island	Miller
124B	Dec. 16-17	To test bottom fauna sampler and evaluate efficiency of the naturalist's dredge. Vineyard Sound and Buzzards Bay	Wigley
1959			
125	Jan. 13-15	Industrial fish survey off Block Island Sound	Fritz
126	Jan. 21-Feb. 4	To study the role of temperature in fish distribution. Cape Cod to Cape Hatteras	Edwards
127	Feb. 10-11	To recover recording buoy on Georges Bank	Hiller
128	Feb. 15-20	Bell Telephone Laboratory Exercise	Hiller
	Feb. 27-1959	Departed Woods Hole for East Boston for lay up.	

**SCHEDULE OF DELAWARE CRUISES**

Fiscal Years 1959 and 1960

Cruise No.	Date 1959	Purpose of Cruise and Area Covered	Chief of Party
59-3	March 18-27	To catch yellowtail flounder for tagging. South of Martha's Vineyard to south of Block Island	Lux
59-4	April 2-17	To determine vertical distribution of spawning haddock. Browns shoals	Clark
59-9	Aug. 6-12	Obtaining samples of substrates for benthic fauna. Southern Gulf of Maine and Browns Bank	Wigley
59-12	Sept. 23-Oct. 7	Studying the distribution of young-of-year and older haddock. Browns and Georges Banks, and the Gulf of Maine	Wise
59-13	Oct. 13-27	Studying the distribution of young-of-year and older haddock. Browns and Georges Banks, Gulf of Maine and the offing of New York	Jensen
59-14	Dec. 1-10	Survey techniques. Southeast of Martha's Vineyard	Fritz
	1960		
60-2	Feb. 10-29	Conduct hydrographic and fishing survey. Continental Shelf from Martha's Vineyard to Cape Hatteras	Fritz
60-3	March 8-19	Conduct a fishing survey and determine the vertical movements of the silver and American hake. Continental Shelf along the eastern side of Georges Bank	Skerry
60-4	March 23 - April 3	Conduct a survey of the spawning habits of haddock. Georges and Browns Banks	Wise
60-5	April 6-12	To collect adult haddock and haddock eggs and to make designated bathy-thermograph transects. Georges and Browns Banks	Wheeler
60-7	May 11-22	Survey techniques. South of Block Island to Cape Hatteras	Merrill
60-8	May 23-29	To compile data relating to the population structure and density of the sea scallop beds. Georges Bank	Posgay

SCHEDULE OF DELAWARE CRUISES

Fiscal Years 1959 and 1960

<u>Cruise No.</u>	<u>Date</u>	<u>Purpose of Cruise and Area Covered</u>	<u>Chief of Party</u>
60-10	July 5-9	This cruise, the first of a series, is a survey of the inshore distribution and the possible incidental take of young-of-the-year and 1-year-old haddock by the whiting and industrial fishing fleets. Area between Cape Ann and Isles of Shoals, Stellwagen Bank, and area off Nauset Beach.	Fritz

SCHEDULE OF DELAWARE CRUISES

Cruise No.	Date 1960	Purpose of Cruise & Area Covered	Chief of Party
60-12	May 2-21	To determine the distribution and relative abundance of young of the year haddock and other fishes occurring in the Gulf of Maine, Georges Bank and Browns Bank.	Skerry
61-4	1961 March 16-27	To investigate the vertical movements of silver and American hake east of Delaware Bay.	Fritz
61-5	March 30-April 17	To tag fluke in an area between Veatch and Hudson Canyons in 50 to 80 fathoms of water.	Lux
61-7	May 3-10	To collect quantitative length-frequency samples of the sea scallop population Georges Bank.	Merrill
61-9	June 12-16	Inshore haddock survey between Isles of Shoals, Stellwagen Bank and Nauset.	Fritz
61-10	June 20-30	Obtain samples of bottom sediments and benthic fauna, Central and northern portions of the Gulf of Maine.	Wigley
61-12	July 20-August 3	To conduct whiting selection experiments, Ipswich Bay, Stollwagen Bank, Nauset.	Fritz
61-13	Aug 10-19	To perform scallop gear selection experiments, Georges Bank.	Merrill
61-16	Sept 22-31	To collect data on abundance and distribution of sea scallop. Georges Bank.	Posgay
61-17	Oct 3-6	To conduct a groundfish survey on the northern edge of Georges Bank.	Fritz
61-19	Oct 25 - Nov 6; Nov 8-20	To determine distribution and abundance of young of the year haddock and other fishes from Bay of Fundy south to Hudson Canyon.	Fritz Miller
62 3	1962 Mar 15-22	To conduct a serological survey at selected stations from Massachusetts Bay to Browns Bank via Nauset and Georges Bank.	Cummins

SCHEDULE OF DELAWARE CRUISES  
Fiscal Years 1961 to 1963

Cruise No.	Date 1962	Purpose of Cruise & Area Covered	Chief of Party
62-6	May 28- June 6	To collect data on the distribution and abundance of sea scallops, Georges Bank	Merrill
62-7	June 11-20	To sample the benthic fauna and bottom sediments at designated localities in Great South Channel, Georges Bank and the region south of Nantucket and Martha's Vineyard	Wigley
62-8	June 25-28	Collect live specimens of the common offshore species for aquarium exhibits To make a groundfish survey south of Martha's Vineyard,	Wheeler Fritz
62-10	Sept 11-20	To collect data on distribution and abundance of sea scallop on Georges Bank	Merrill
62-12	Oct 9-20	To determine distribution and abundance of young of the year haddock and other fishes from the Bay of Fundy southward to Hudson Canyon	Fritz
62-13	Oct 25 - Nov 4	To determine distribution and abundance of young of the year haddock and other fishes from the Bay of Fundy southward to Hudson Canyon	Jensen

CRUISE RECORDS

Cruise No.    Sailing Order    Supplement    Cruise Report    Press Release    Trawl Cards    B.T. Cards    Loran Logs    Admin. Supp.    Bottom Trace

Albatross III

1	X	X	X	O	X	X	O	O	O
2	X	X	X	O	X	X	O	O	O
3	X	X	O	O	X	X	O	O	O
4	X	X	X	O	X	X	O	O	O
5	X	X	X	O	X	X	O	O	X
6	X	X	X	O	X	X	O	O	X
7	X	X	X	O	X	X	O	O	X
8	X	X	X	O	Dem. Cr.	O	O	O	O
9	X	X	X	O	X	O	O	O	X
10	X	X	X	O	X	X	O	O	O
11	X	X	X	O	X	X	O	O	X
12	X	X	X	X	X	X	O	O	X
13	X	X	X	O	X	O	O	O	X
14	X	X	X	O	X	O	O	O	X
15	X	X	X	X	X	O	O	O	X
16	X	X	X	X	X	O	O	O	X
17	X	X	O	O	O	O	O	O	O
18	X	X	X	X	X	WHOI	X	O	O
19	X	X	X	O	X	WHOI	X	O	O
20	X	X	X	O	Dem. Cr.	WHOI	X	O	O
21	X	X	X	O	X	WHOI	X	O	O
22	X	X	X	O	X	WHOI	X	O	O
23	X	X	X	O	X	WHOI	X	O	X
24	X	X	X	O	X	O	O	O	O
25	X	X	X	O	Dem. Cr.	O	O	O	O
26	X	X	X	O	X	X	X	O	X
27	X	X	X	O	X	X	X	O	X
28	X	X	X	O	X	X	X	O	X
29	X	X	X	O	X	O	O	O	O
30	O	X	O	O	O	WHOI	X	O	O
31A	X	X	X	O	X	WHOI	X	O	O
31B	X	X	X	O	X	WHOI	X	O	O
31C	X	X	X	O	X	WHOI	X	O	O
31D	X	X	X	O	X	WHOI	O	O	O
32	X	X	X	O	O	WHOI	X	O	O
33	X	X	X	O	X	X	X	O	O
34	X	X	X	O	X	X	O	O	O
35	X	X	X	O	X	X	X	O	O
36	X	X	X	O	O	X	O	O	O
37	X	X	X	O	X	X	O	O	O
37A	X	X	O	O	X	X	X	O	O
38	X	X	X	O	X	X	X	O	O
39	X	X	X	O	X	O	O	O	O
<u>Delaware</u>									
1	X	X	X	O	O	O	O	O	O
2	X	X	X	O	X	X	O	O	O
3	X	X	X	O	X	X	O	O	O

CRUISE RECORDS (Continued)

Cruise No.	Sailing Order	Supplement	Cruise Report	Press Release	Trawl Cards	E.T. Cards	Loran Logs	Admin. Supp.	Bottom Trace
<u>Albatross III</u>									
40-44	Operating for WHOI					WHOI			
45	X	X	X	O	X	X	O	O	O
46	X	X	X	X	O	X	O	O	O
47A	X	X	X	X	O	X	O	O	O
47B	X	X	X	X	O	X	O	O	O
48	X	X	X	O	O	X	O	O	O
49	X	X	X	O	O	X	O	O	O
50	X	X	X	O	O	X	O	O	O
51	X	O	X	O	O	WHOI	O	O	O
51A	O	O	O	O	X	WHOI	O	O	O
52	X	O	X	O	O	WHOI	O	O	O
53	X	X	X	O	X	WHOI	O	O	O
54	X	X	X	O	X	WHOI	O	O	O
55	X	X	X	O	X	X	O	O	O
56	X	X	X	O	X	X	O	O	O
57	X	X	X	O	O	X	O	O	O
58	X	X	X	O	O	X	O	O	O
59	X	X	X	O	O	O	O	O	O
60	X	X	X	O	O	X	O	O	O
61	X	X	X	O	O	X	O	O	O
62	X	X	X	O	X	X	O	O	O
63	X	X	X	O	X	X	O	O	O
64	X	X	X	O	O	O	O	O	O
65	X	X	X	O	X	X	O	O	O
66	X	X	X	O	X	X	O	O	O
67	X	X	X	O	O	O	O	O	O
68	X	X	X	O	O	O	O	O	O
69	X	X	X	O	O	X	O	O	O
70	X	X	X	O	O	X	O	O	O
71	X	X	X	O	O	X	O	O	O
72	X	X	X	O	O	X	O	O	O
73	X	X	X	O	O	X	O	O	O
74	X	X	X	O	O	O	O	O	O
75	X	X	X	O	O	X	O	O	O
76	X	X	X	O	O	X	O	O	O
77	X	X	X	O	O	X	O	O	O
78	X	O	X	O	O	O	O	O	O
79	X	X	X	O	O	O	O	O	O
80	X	X	X	O	O	X	O	O	O
81	X	X	X	O	X	X	O	O	O
82	X	X	X	O	X	X	O	O	O
83	X	O	X	O	O	O	O	O	X
84	X	O	X	O	O	O	O	O	X
85	X	O	X	O	O	O	O	O	X
86	X	O	X	O	O	X	O	O	X
87	X	X	X	O	O	X	O	O	X
88	X	X	X	O	O	X	O	O	X
89	X	X	X	O	X	X	O	O	X
90	X	X	X	O	O	X	O	O	O

CRUISE RECORDS (Continued)

Cruise No.	Sailing Order	Supplement	Cruise Report	Press Release	Trawl Cards	B. T. Cards	Loran Logs	Admin. Supp.	Bottom Trace
<u>Albatross III</u>									
91	X	X	X	O	O	X	O	O	O
92	X	X	X	X	O	X	O	O	O
93	X	X	X	O	O	X	O	O	O
94	X	X	X	O	O	X	O	O	O
95	X	X	X	O	O	X	O	O	O
96	X	O	X	O	O	O	O	O	O
97	X	O	X	O	O	O	O	O	X
98	X	O	X	O	O	O	O	O	X
99	X	X	X	O	X	X	O	O	X
100	X	X	X	O	Dem. Cr.	O	O	O	O
101	X	O	X	O	O	O	O	O	O
102	X	X	X	O	X	X	O	O	O
103	X	O	X	O	O	X	O	O	O
104	X	X	X	O	X	X	O	O	O
105	X	X	X	O	X	X	O	O	O
106	X	X	X	O	O	X	O	O	O
107	X	X	X	X	O	X	O	O	O
108	X	X	X	O	X	X	O	O	O
109	X	X	X	X	O	X	O	O	O
110	X	X	X	O	O	X	O	O	O
111	X	X	X	O	O	X	O	O	O
112	X	X	X	O	O	X	O	O	O
113	X	X	X	O	O	X	O	O	O
114	X	X	X	O	X	X	O	O	X
115	X	X	X	O	Dem. Cr.	O	O	O	O
116	X	X	X	O	X	X	O	O	X
117	X	X	X	O	X	X	O	O	X
118	X	X	O	X	X	X	O	O	X
119	X	X	O	X	X	X	O	O	X
120	X	X	O	X	X	X	O	O	X
121	X	X	X	O	O	X	O	O	X
122	X	X	X	O	O	X	O	O	O
123	X	X	X	O	X	X	O	O	O
124	X	O	X	O	O	O	O	O	O
125	X	X	X	O	X	X	O	O	O
126	X	X	X	O	X	X	O	O	X
127	X	O	O	O	O	X	O	O	O
128	X	X	O	O	O	X	O	O	O
<u>Delaware</u>									
59-3	X	X	X	O	O	X	O	O	O
59-4	X	X	O	O	O	X	O	O	O
59-9	X	O	X	O	O	X	O	O	O
59-12	X	X	X	O	X	X	O	O	O
59-13	X	X	X	O	X	X	O	O	O
59-14	X	X	X	X	X	X	O	O	O

CRUISE RECORDS (Continued)

Cruise No.	Sailing Order	Supplement	Cruise Report	Press Release	Trawl Cards	B. T. Cards	Loran Logs	Admin. Supp.	Bottom Trace
<u>Delaware</u>									
60-2	X	X	X	O	X	X	O	O	O
60-3	X	X	X	O	X	X	O	O	O
60-4	X	X	X	O	X	X	O	O	O
60-5	X	O	X	O	X	X	O	O	O
60-7	X	X	X	O	O	X	O	O	O
60-8	X	X	X	O	O	X	O	O	O
60-10	X	X	X	X	X	X	O	X	X

Key - X = Available; O = Missing.

Cruise Schedule for  
COMMERCIAL CHARTERS AND T-79

Vessel	Dates	Purpose	Chief of Party
	1952		
We Three	May 6	To sample small redfish with a Petersen small fish trawl, a line trawl, and a gill net in the area East of Cape Porpoise in 60 fathoms	Kelly
Michigan	June 4-12	To determine the selectivity of sizes of haddock by an otter trawl of various mesh sizes. Georges Bank	Clark
Michigan	June 15-23	- - - - - do - - - - -	Clark
U. S. Fish & Wildlife Launch	Sept. 10-12	To fish experimentally for small redfish and handline for large redfish in the deep water off Gloucester harbor	Kelly
Caryn	Oct. 2-3	To trawl with a fine mesh net (1/4" square) for scattering layer organisms and for young redfish. South of Marthas Vineyard 70 - 100 fathoms	Kelly
Wisconsin	Oct. 14-23	To determine the selectivity of sizes of haddock by an otter trawl of various mesh sizes. Georges Bank	Clark
	1953		
Cap'n Bill II	July 10-17	Exploratory fishing on the edge of the Continental shelf to determine the fauna present in the 200 fathom to 700 fathom depths. Block Island to Corsair Canyon	W. Schroeder
Pricilla V 1	Nov. 9-11	To sample young-of-the-year redfish from New Scrantum station 25 miles east of Gloucester for validation of otolith year zones.	Kelly

<u>Vessel</u>	<u>Dates</u>	<u>Purpose</u>	<u>Chief of Party</u>
	1954		
Pricilla V 2	Feb. 5-8	----do-----	Kelly
Pricilla V 3	April 20-23	----do-----	Kelly
Pricilla V 4	Aug. 3-10	----do-----	Kelly
Pricilla V 5	Sept. 13- Nov. 2	Whiting mesh selection Cape Cod Bay and Jeffrey's Ledge	Clark
Pricilla V 6	Nov. 17-23	Redfish mesh selection. Cashes Ledge	Clark
	1955	No charters	
	1956		
Huckleberry Finn William Cheesebrough	Oct. 29 - Nov. 1	To observe the behavior of fish while being captured by an otter trawl in the Amagansett area off Long Island, New York	Livingstone
	1957		
Canadian R. /V. Harengus	May 15-18	To recapture redfish tagged at Eastport, Maine between Grand Manan and Campobello Island	Kelly
Whaling City 1	June 13- 23	To test the relative efficiency of scallop dredges with 2", 3", 3 1/2", and 4" rings in the bag and to determine the selection points of the various ring sizes. Cultivator and Northeast Peak	Posgay
Whaling City 2	Aug. 8-17	To develop gear selection curves for scallop dredges with 3", 3 1/2" and 4" rings. Georges Bank	Posgay
	1958		
Jacquelyn 1	May 21	A series of cruises to obtain periodic data for life history studies of industrial fish and sea scallops around Block Island	Edwards

<u>Vessel</u>	<u>Dates</u>	<u>Purpose</u>	<u>Chief of Party</u>
	1958		
Jacquelyn 2	June 12	----- do -----	Edwards
Jacquelyn 3	July 18	To sample at the regular fishing and scallop stations.	Merrill
Jacquelyn 4	Aug. 18	To sample at the regular fishing and scallop stations.	Merrill
Jacquelyn 5	Sept. 23	To census scallop and fish populations and to take samples of this material for detailed study at the Woods Hole Laboratory.	Edwards
Dartmouth	Sept. 9-16	To compare selectivity of scallop dredges made of 3, and 3 1/2, and 4 inch rings (inside diameter) with 2 inch I. D. dredge. Census scallop stocks, test metered roller and make spawning observations. Georges Bank	Nichy
	1959		
Whaling City 3	May 13-20	To collect length frequency and age frequency samples from the Georges Bank sea scallop beds.	Posgay
Whaling City 4	Sept. 12-18	----- do -----	Merrill

## Cruise Schedule for Commercial Charters

### Trawler Captain Bill III

<u>Cruise No.</u>	<u>Date 1960</u>	<u>Purpose of Cruise &amp; Area Covered</u>	<u>Chief of Party</u>
1	Aug 22-26	Inshore haddock survey between Isle of Shoals, Stellwagen Bank, and Nauset	Skerry
2	Sept 19-23	Inshore haddock survey between Isle of Shoals, Stellwagen Bank, and Nauset.	Skerry

### Trawler Noah A

1	1960 Sept 30	To census a scallop population and take samples for analysis at Woods Hole Laboratory. Three miles northwest of Billingsgate Buoy, Cape Cod Bay.	Merrill
2	Oct 9	To check spawning and bring back unspawned scallops to laboratory for experiments and to make underwater observations on the efficiency of scallop gear. Three miles of Billingsgate Buoy, Cape Cod Bay.	Merrill
3	Oct 23	To check sea scallop spawning. To observe and take underwater motion pictures of the operation of sea scallop gear. Three miles north of Sandy Neck, Cape Cod Bay.	Merrill
4	Nov 13	To check spawning, and to perform experiments to determine the efficiency of scallop gear. Three miles northwest of Billingsgate Buoy, Cape Cod Bay.	Merrill

### Trawler Charlotte

1	1961 Sept 1	To locate beds of scallops in sufficient quantities for later experiments on scallop gear efficiency. Two to five miles northwest of Sandwich, Mass.	Merrill
2	Oct 16	To check the spawning of the sea scallop. Two to five miles northwest of Sandwich, Mass.	Merrill

Trawler Charlotte (Cont'd)

Cruise No.	Date 1962	Purpose of Cruise & Area Covered	Chief of Party
4	Jan. 16	To obtain live scallops for laboratory tank experiments; to observe gonad development of sea scallops. Two to four miles northwest of Sandwich, Mass.	Haynes
5	April 7	To obtain live scallops for laboratory tank experiments; to observe gonad development of sea scallops. Two to four miles northwest of Sandwich, Mass.	Haynes

MONTHLY HADDOCK CRUISES

Silver Mink and Shirley-Roland

High Grounds NNE of Cape Cod Light

<u>Cruise #</u>	<u>Date</u>	<u>Purpose</u>	<u>Chief of Party</u>
1	Feb. 12, 1958	To make observations and collect data for haddock ecology study	Clark
2	March 9, 1958	----- do -----	Clark
3	April 11, 1958	----- do -----	Clark
4	May 12, 1958	----- do -----	Jensen
5	June 8, 1958	----- do -----	Jensen
6	July 12, 1958	----- do -----	Jensen
7	August 9, 1958	----- do -----	Clark
8	Sept. 14, 1958	----- do -----	Clark
9	Oct. 14, 1958	----- do -----	Jensen
10	Nov. 13, 1958	----- do -----	Clark
11	Dec. 11, 1958	----- do -----	Clark
12	Jan. 15, 1959	----- do -----	Jensen

### T-79 CRUISE SCHEDULE

<u>Cruise #</u>	<u>Date</u>	<u>Purpose</u>	<u>Chief of Party</u>
	1956		
1	May 25-27	Shake-down cruise to test suitability of T-79 as a fisheries research vessel, to test the fishing gear and hauling equipment and to tag haddock 18 miles southwest of Pollock Rip Lighthouse.	Clark
2	June 28 - July 14	To tag fish in the Gulf of Maine.	Clark
3	August 22	To collect spawning butterfish southeast of No Man's.	Colton
4	August 29	To test trawling gear on the Middle Ground.	Colton
5	August 31	To collect spawning butterfish in an area 10 miles south of No Man's.	Colton
6	Sept. 12-14	<ol style="list-style-type: none"><li>1. To sample species composition of fishes on various grounds.</li><li>2. To determine diurnal periodicity of feeding habits of the commoner species of fish.</li><li>3. To determine the abundance of and the species of the various common bottom organisms, and</li><li>4. To tag skates and some other species of fish if they are sufficiently abundant on the grounds fished.</li></ol> Area - Southern New England fishing grounds.	Edwards
7	Oct. 5	To test underwater television equipment under tow in Falmouth Harbor.	Livingstone

<u>Cruise #</u>	<u>Date</u>	<u>Purpose</u>	<u>Chief of Party</u>
8	Oct. 10-12	To make a hydrographic transect of the "Deep Hole" and to conduct studies into the feeding habits of local fish.	Edwards
9	Oct. 16	To test underwater TV equipment and handling procedures off Naushon Island.	Livingstone
10	1957 Feb. 14	To test otter trawl gear and to tag yellowtail flounders about 12 miles south of Cox Ledge in 30 fathoms.	Lux
11	Feb. 25	To tag yellowtail flounders south of No Man's to south of Block Island.	Lux
12	March 12	Investigate fish stocks in Buzzards Bay for the purpose of tagging.	Edwards
13	March 12-14	Hydrographic transect south of Martha's Vineyard and Block Island.	Edwards
14	March 22	Looking for stocks of fish in Buzzards Bay	Edwards
15	March 26	Test and use underwater camera in Buzzards Bay	Posgay
16	Sept 16-20	To tag silver hake two miles west of Race Point, Stellwagen Bank, and Cape Cod Bay.	Fritz
17	Oct. 15-17	To find concentrations of scup for tagging, to test fishing gear; to do some red hake biology in the Block Island area.	Edwards
18	Oct. 30	To sample flounders and industrial species off Nauset Beach in 25-30 fathoms.	Lux
19	Nov. 14-27	To tag haddock and to collect young-of-the-year haddock off Gloucester and Mt. Desert Island, Maine.	Dietsch

<u>Cruise #</u>	<u>Date</u>	<u>Purpose</u>	<u>Chief of Party</u>
20	1958 Jan. 21	To sample yellowtail flounder 25-30 miles southwest of No Man's Land.	Lux
21	Jan. 28-31	Calibration of multiplane kite otter and high-speed plank- ton sampler off Provincetown and Murray Basin.	Colton
22	Aug. 11	To return vessel T-79 to Army authorities at Army Transporta- tion Depot, Charleston, South Carolina.	

In charge: - Captain Samuel Vincent

**Cruise Records**

for

COMMERCIAL CHARTERS AND T-79

<u>Vessel</u>	<u>Sailing Order</u>	<u>Supplement</u>	<u>Cruise Report</u>	<u>Trawl Cards</u>	<u>Logs</u>	<u>BT Cards</u>
We Three	O	X	X	O	O	O
Michigan 1.	Original Rough logs		X	X	O	O
Michigan 2.	Original Rough logs		X	X	O	O
U. S. FW Launch	O	O	X	X	O	O
Caryn	O	O	X	O	O	O
Wisconsin	Original Rough logs		X	X	O	O
Cap'n Bill II	O	O	X	O	O	O
Pricilla V 1.	Age & Growth of the Redfish in the Gulf Of Maine Fishery Bulletin 156					
Pricilla V 2.						
Pricilla V 3.						
Pricilla V 4.						
Pricilla V 5.						
Pricilla V 6.						
Huckleberry Finn	O	O	X	O	O	O
William Cheesebrough						
Harengus	O	O	X	O	O	O
Whaling City 1.	O	O	X	O	O	O
Whaling City 2.	O	O	X	O	O	O
Jacquelyn 1.	O	O	X	X	O	X
Jacquelyn 2.	O	O	X	X	O	X
Jacquelyn 3.	O	O	X	X	O	X
Jacquelyn 4.	O	O	X	X	O	X
Jacquelyn 5.	O	O	X	X	O	X
Dartmouth	X	O	X	O	O	O
Whaling City 3.	X	X	X	O	O	O
Whaling City 4.	X	X	X	O	O	X
<b>Silver Mink and Shirley &amp; Roland Cruises</b>						<b>BT Records</b>
1.	O	O	X	X	O	X
2.	O	O	X	X	O	X
3.	O	O	X	X	O	X
4.	O	O	X	X	O	X
5.	O	O	X	X	O	X
6.	O	O	X	X	O	X
7.	O	O	X	X	O	X
8.	O	O	X	X	O	X
9.	O	O	X	X	O	X
10.	O	O	X	X	O	X
11.	O	O	X	X	O	X
12.	O	O	X	X	O	X
<b>T-79 Cruises</b>						
1.	O	O	X	O	O	X
2.	X	O	X	O	O	O

Cruise Records (Continued)

for

COMMERCIAL CHARTERS AND T-79

<u>Vessel</u>	<u>Sailing Order</u>	<u>Supple- ment</u>	<u>Cruise Report</u>	<u>Trawl Cards</u>	<u>Logs</u>	<u>BT Cards</u>
T-79 Cruises						
3.	X	O	X	O	O	O
4.	X	O	O	O	O	O
5.	X	O	X	O	O	O
6.	X	X	X	O	O	O
7.	X	O	X	O	O	O
8.	X	X	X	X	O	X
9.	X	O	X	X	O	O
10.	X	O	X	O	O	X
11.	X	O	X	O	O	X
12.	X	O	X	O	O	X
13.	X	O	X	O	O	X
14.	X	O	X	O	O	O
15.	X	O	X	O	O	O
16.	X	O	X	O	O	O
17.	O	O	X	X	O	X
18.	X	O	X	X	O	O
19.	X	X	X	O	O	O
20.	X	O	X	O	O	X
21.	X	X	X	O	O	O
22.	X	O	O	O	O	O

## R/V ALBATROSS IV

The R/V Albatross IV arrived in Woods Hole November 28, 1962, on her maiden voyage from the Southern Shipbuilding Corporation at Slidell, Louisiana. From that time, until her first official cruise, several training courses were made to familiarize the officers, crew, and scientists with the vessel. The "Kort Type" nozzle was modified with the addition of fins, and various types of gear were either added or altered to insure a smooth working operation.

On May 9, 1963, the Albatross IV was commissioned at Woods Hole. Secretary of the Interior Stewart Udall and other distinguished guests were present at ceremonies.

On May 13, 1963, the Albatross IV sailed on her first official cruise to collect quantitative samples of the sea scallop population on Georges Bank.

At the present time the stability, ease of handling all types of gear, and other facilities of the Albatross IV would be hard to exceed by any vessel of similar size.

SCHEDULE OF ALBATROSS IV CRUISES  
Fiscal Years 1963 and 1964

Cruise No.	Date 1963	Purpose of Cruise & Area Covered	Chief of Party
63-1	May 13-17	Collect quantitative samples of the sea scallop population on Georges Bank.	Posgay
63-2	May 25 - June 6	To show the vessel to various interested groups at Washington, D.C., and to collect biological data at several stations on the return trip.	Fritz
63-3	June 10-13	Collect quantitative samples of the Georges Bank sea scallop population.	Posgay
63-4	June 13-23	To determine the periodicities in the feeding behavior of the common species of marine fishes. To determine the quantities of feed taken daily by these fishes. To investigate the feasibility of determining both feeding periodicity and quantity eaten by the analysis of changes in glycogen shortage in the liver.	Edwards
63-5	July 18- Aug 1; Aug 7 -19	To determine the distribution and abundance of young of the year haddock and other fishes common to area between the Bay of Fundy and Hudson Canyon	Fritz Marak
63-6	Sept 5-9	Collect quantitative samples of the sea scallop population on Georges Bank.	Posgay
63-7	Nov 13-27 Dec 2-16	To determine the distribution and abundance of the young of the year haddock and other fishes common to the area between the Bay of Fundy and Hudson Canyon.	Fritz
63-8	Dec 18-19	To occupy foreign fishing program hydrographic and plankton sampling station #5 at 49°20'N, 60°55'W.	Miller