411

DISTRIBUTION OF FISH EGGS AND LARVAE, TEMPERATURE, AND SALINITY IN THE GEORGES BANK-GULF OF MAINE AREA, 1955

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Bureau of Commercial Fisheries, Donald L. McKernan, Director

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by

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DISTRIBUTION OF FISH EGGS AND LARVAE, TEMPERATURE, AND SALINITY IN THE GEORGES BANK-GULF OF MAINE AREA, 1955

by

Robert R. Marak[1], John B. Colton, Jr.
and Donald B. Foster[2]
Fishery Research Biologists
Bureau of Commercial Fisheries
U.S. Fish and Wildlife Service
Woods Hole, Massachusetts

ABSTRACT

Basic data on the distribution of fish eggs and larvae in the Georges Bank-Gulf of Maine area were collected on surveys made by the Bureau of Commercial Fisheries research vessel *Albatross III* during the spring of 1955. The data are presented in tabular and graphic form. Plots and tables of surface temperature and salinity are also included.

INTRODUCTION

This is the second in a series of reports presenting basic data on fish egg and larvae surveys made on the research vessel *Albatross III* in the Georges Bank-Gulf of Maine area.

Information on the background of the surveys, objectives, methods, and procedures followed at sea and in the laboratory are given in the report for 1953 (Marak and Colton, 1961).

COLLECTION OF DATA

Four cruises were made during the spring of 1955: cruise no. 57, February 21 to March 2; cruise no. 58, March 19 to April 1; cruise no. 60, April 19 to May 2; cruise no. 61, May 16-28. The February cruise was added to the program this year because the data collected in 1953 showed that haddock spawning had begun earlier than March. These surveys were designed to cover the entire spawning period of haddock.

The procedure involved continuous towing of the Hardy Plankton Recorder[3] (Hardy, 1936 and 1939) at the surface and 10 meters, bathythermograph lowerings, surface temperature and salinity observations, drift bottle releases, and surface tows with a 1-meter net[4].

A list of the species of fish eggs and larvae (with species code letters used in the tables), collected during the 1955 survey cruises, is given in table 1.

Data for temperature and salinity observations in relation to 1-meter tows and Hardy Plankton Recorder gauze sections are given in tables 2-5.

The cruise plan and methods (Hardy Plankton Recorder, 1-meter net tows, and drift bottles) used aboard ship for the collection of data presented in this report are the same as those followed in the spring of 1953 (Marak and Colton, 1961).

Although slight changes were made in the track of the vessel (to make use of knowledge gained from the 1953 (cruises), the basic pattern and area covered were essentially

[1] Temporarily detailed to Bureau of Commercial Fisheries Biological Laboratory, Auke Bay, Alaska.

[2] Presently employed at the Woods Hole Oceanographic Institution, Woods Hole, Massachusetts.

[3] No. 3 silk was used in making the gauzes for the Hardy Plankton Recorder.

[4] No. 0 silk was used in the 1-meter net.

similar. Two Hardy Plankton Recorders were lost this year when the towing wire parted; one on cruise no. 57 on February 26, and the other on cruise no. 58 on March 30. Both instruments were being towed at 10 meters. Positions of drift bottle releases and recoveries for 1955 may be found in Bumpus and Day (1957).

LABORATORY EXAMINATION OF SAMPLES

One-Meter Net Tows and Hardy Plankton Recorder

Analysis of the data taken with the 1-meter net and Hardy Plankton Recorder during this year was carried out in the same manner as that presented in the first report (Marak and Colton, 1961). Figures 1-4 show the locations of 1-meter net tows and tables 6-9 give the data collected. The locations of individual gauze sections exposed by the Hardy Plankton Recorder are shown in figures 5-12 and the data obtained from these sections are given in tables 10-13. The section equivalent varied slightly with individual recorders and among distances covered (see tables 14-17). Because of the loss of Hardy Plankton Recorders on cruise no. 57 and cruise no. 58, data are lacking for part of these cruises. Actual locations of 1-meter tows and reference gauze sections are given in tables 2-5.

Temperature and Salinity

Surface temperatures were used in the graphic presentation in this report as they were generally found to be indicative of temperatures in the depths of water studied (surface and 10 meters). Figures 13-16 show the distribution of surface temperature with observed values rounded off to the nearest whole $^{\circ}$F. In areas of rapid temperature change (southern and southeast edge of Georges Bank) some isotherms were omitted to avoid confusion. Figures 1-4 show the distribution of surface salinity with observed figures rounded off to the nearest 0.5 $^{\circ}/_{\circ\circ}$. Actual temperature and salinity figures may be found in tables 2-5.

Drift Bottles

A detailed analysis of the data obtained from the drift bottles released on these cruises made during the spring of 1955 has been reported by Day (1958).

LITERATURE CITED

BUMPUS, DEAN F., and C. GODFREY DAY
1957. Drift bottle records for Gulf of Maine and Georges Bank, 1931-56. U.S. Fish and Wildlife Service, Special Scientific Report--Fisheries No. 242, 61 p.

DAY, C. GODFREY
1958. Surface circulation in the Gulf of Maine as deduced from drift bottles. U.S. Fish and Wildlife Service, Fishery Bulletin 141, vol. 58, p. 443-472.

HARDY, A. C.
1936. The continuous plankton recorder. Discovery Reports, vol. 11, p. 457-510.
1939. Ecological investigations with the continuous plankton recorder: object, plan and methods. Hull Bulletins of Marine Ecology, vol. 1, no. 1, p. 1-57.

MARAK, R. R., and J. B. COLTON, JR.
1961. Distribution of fish eggs and larvae temperature, and salinity in Georges Bank-Gulf of Maine area, 1953. U.S. Fish and Wildlife Service, Special Scientific Report--Fisheries No. 398, 61 p.

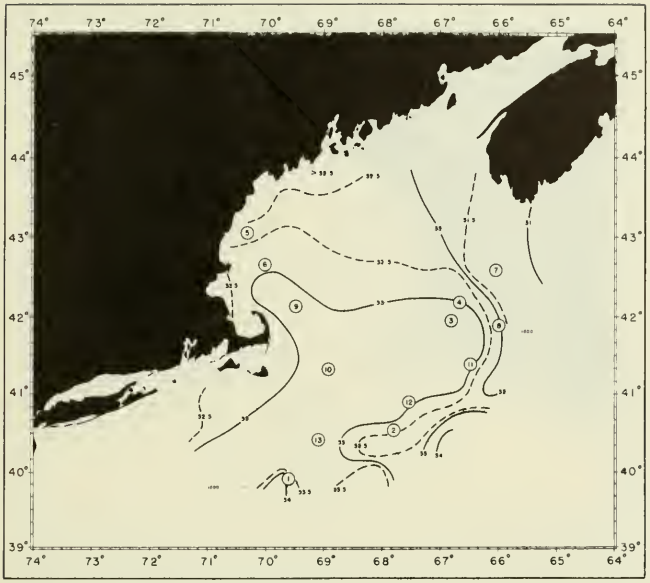

Figure 1.--Distribution of salinity and positions of 1-meter net tows, *Albatross III* cruise no. 57, February to March 2, 1955.

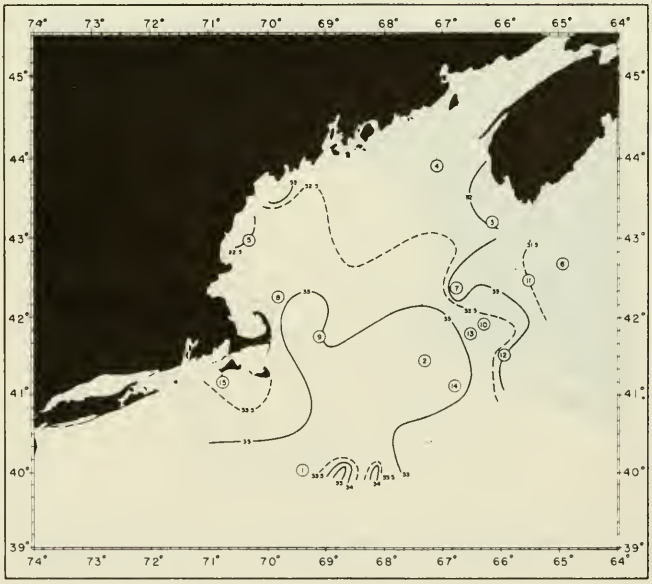

Figure 2.--Distribution of salinity and positions of 1-meter net tows,. *Albatross III* cruise no. 58, March 19 to April 1, 1955.

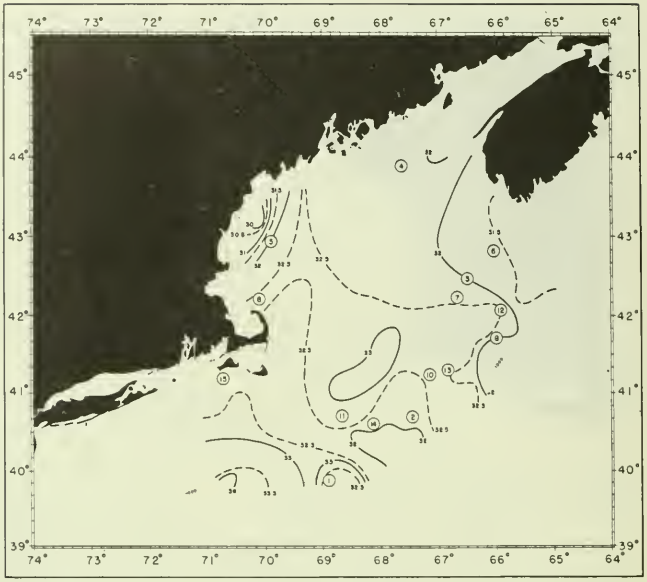

Figure 3.--Distribution of salinity and positions of 1-meter net tows, *Albatross III* cruise no. 60, April 19 to May 2, 1955.

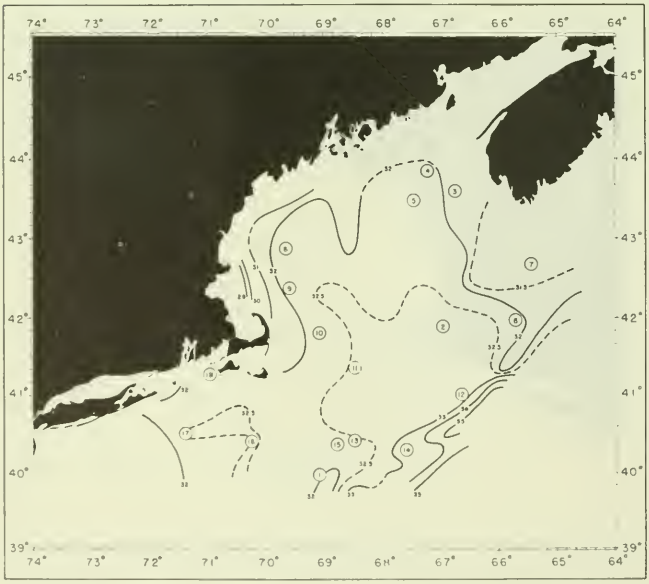

Figure 4.--Distribution of salinity and positions of 1-meter net tows, *Albatross III* cruise no. 61, May 16 to May 28, 1955.

Figure 5.--Track of *Albatross III* cruise no. 57 (February 21 to March 2, 1955) giving positions for each gauze section of the surface Hardy Plankton Recorder.

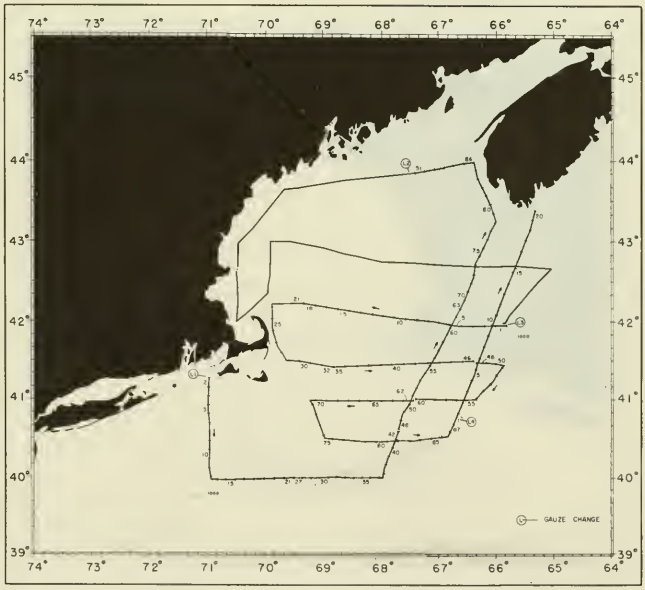

Figure 6.--Track of *Albatross III* cruise no. 57 (February 21 to March 2, 1955) giving positions for each gauze section of the 10-meter Hardy Plankton Recorder.

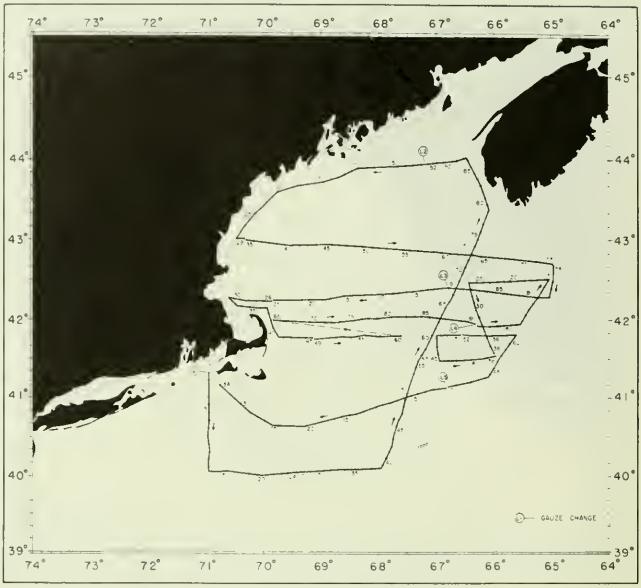

Figure 7.--Track of *Albatross III* cruise no. 58 (March 19 to April 1, 1955) giving positions for each gauze section of the surface Hardy Plankton Recorder.

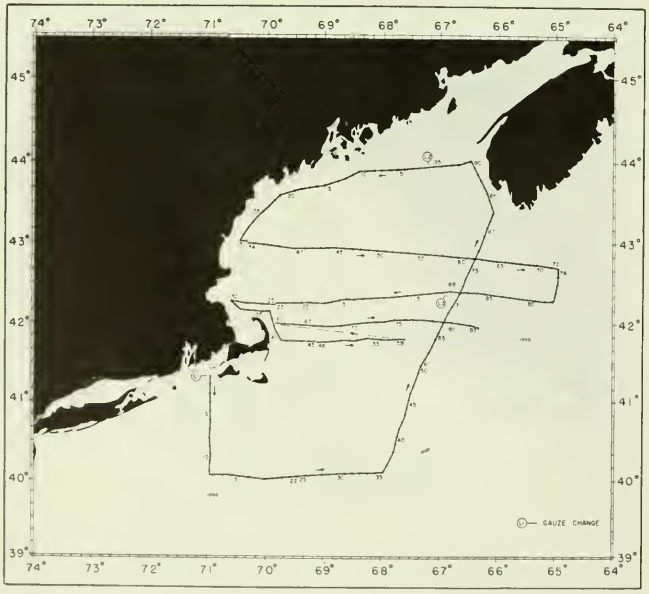

Figure 8.--Track of *Albatross III* cruise no. 58 (March 19 to April 1, 1955) giving positions for each gauze section of the 10-meter Hardy Plankton Recorder.

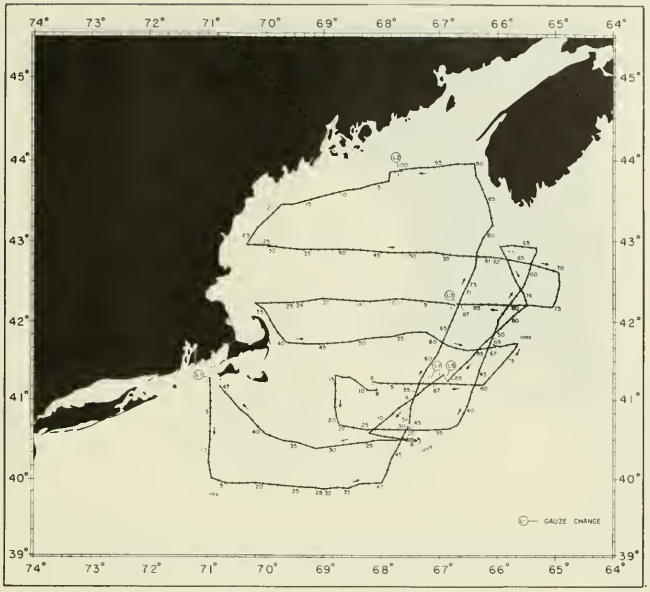

Figure 9.--Track of *Albatross III* cruise no. 60 (April 19 to May 2, 1955) giving positions for each gauze section of the surface Hardy Plankton Recorder.

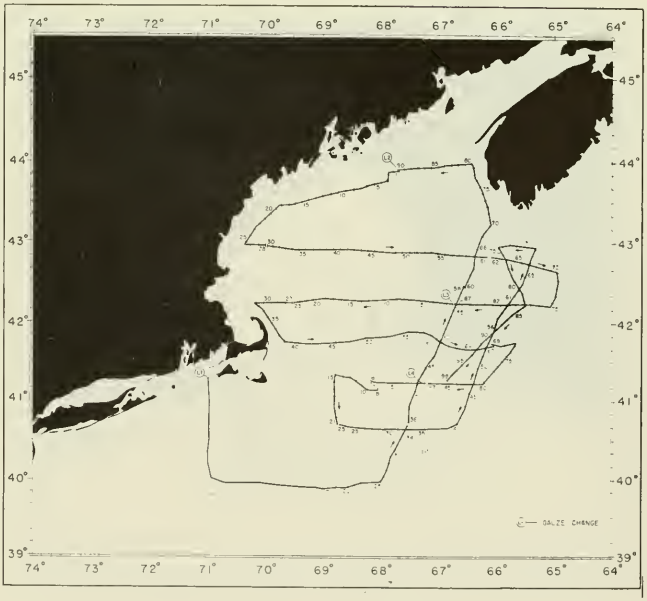

Figure 10.--Track of *Albatross III* cruise no. 60 (April 19 to May 2, 1955) giving positions for each gauze section of the 10-meter Hardy Plankton Recorder.

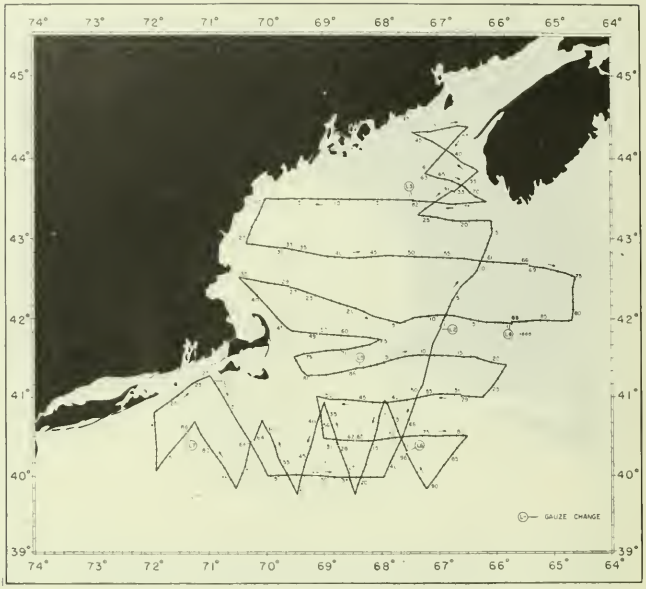

Figure 11.--Track of *Albatross III* cruise no. 61 (May 16 to May 28, 1955) giving positions for each gauze section of the surface Hardy Plankton Recorder.

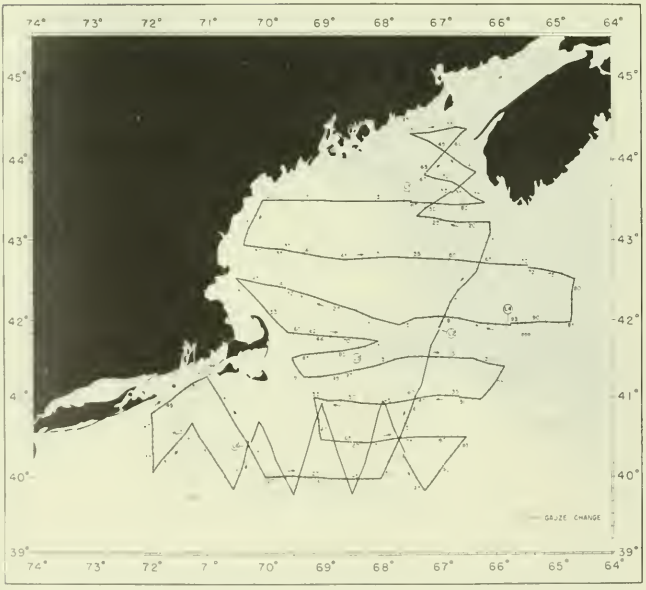

Figure 12.--Track of *Albatross III* cruise no. 61 (May 16 to May 28, 1955) giving positions for each gauze section of the 10-meter Hardy Plankton Recorder.

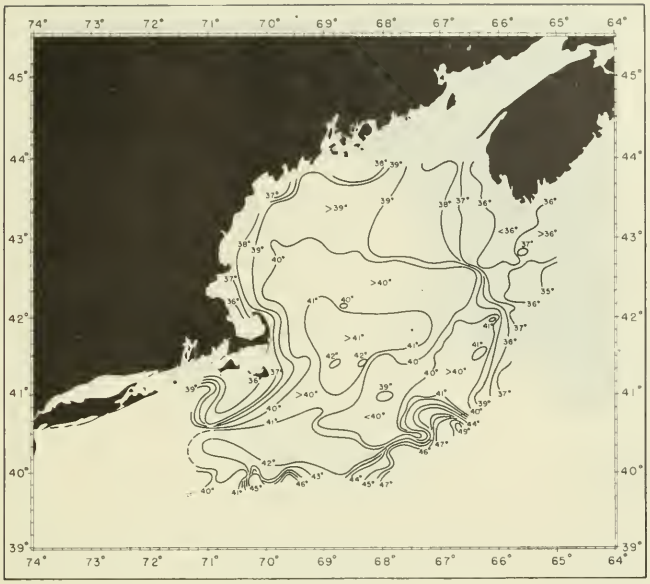

Figure 13.--Distribution of surface temperature, *Albatross III* cruise no. 57, February 21 to March 2, 1955.

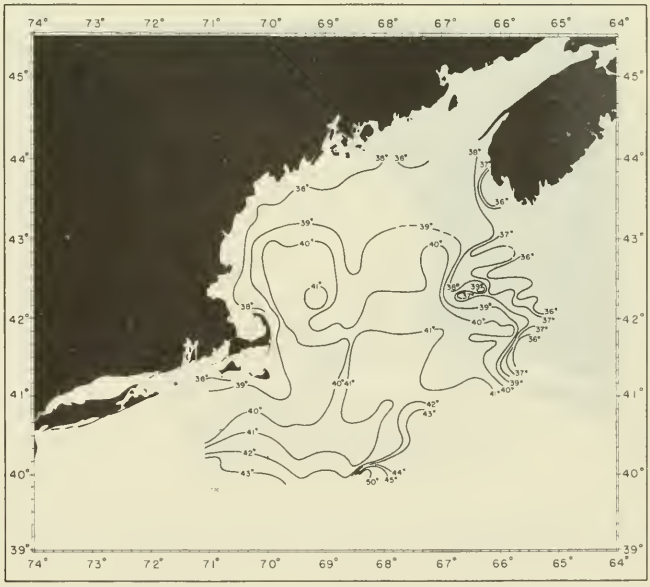

Figure 14.--Distribution of surface temperature, *Albatross III* cruise no. 58, March 19 to April 1, 1955.

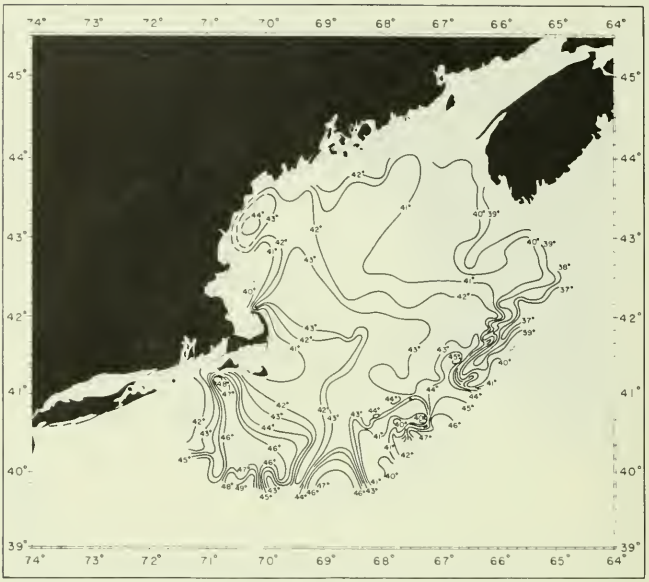

Figure 15.--Distribution of surface temperature, *Albatross III* cruise no. 60, April 19 to May 2, 1955.

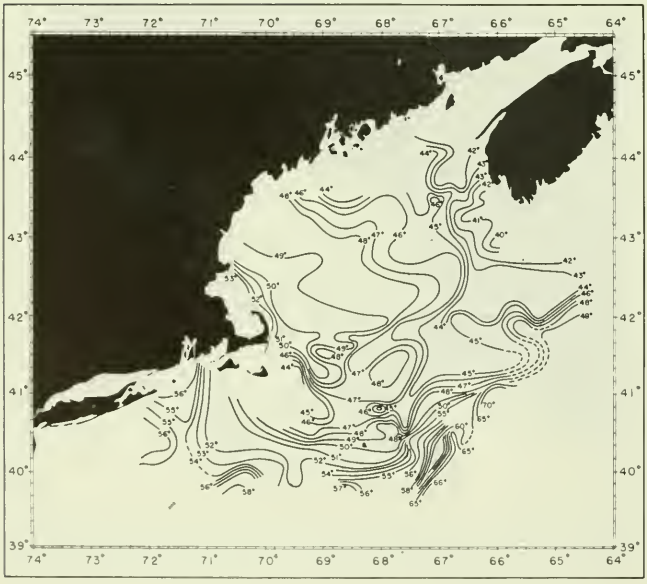

Figure 16.--Distribution of surface temperature, *Albatross III* cruise no. 61, May 16-28, 1955.

Table 1. --Species of fish eggs and larvae (with species code letters) caught during 1955, *Albatross III* cruise no. 57, February 21 - March 2; cruise no. 58, March 19 to April 1; cruise no. 60, April 19, to May 2; cruise no. 61. May 16 to May 28

Species code letters	Common name	Scientific name
A	American plaice	*Hippoglossoides platessoides*
AM	American sand lance	*Ammodytes americanus*
C	Atlantic cod	*Gadus morhua*
CN	Cunner	*Tautogolabrus adspersus*
CU	Cusk	*Brosme brosme*
E	American eel	*Anguilla rostrata*
G	Goosefish	*Lophius americanus*
H	Haddock	*Melanogrammus aeglefinus*
HE	Atlantic herring	*Clupea harengus harengus*
LP	"Leptocephalus" stage	
M	Atlantic mackerel	*Scomber scombrus*
MH	Atlantic menhaden	*Brevoortia tyrannus*
P	Pollock	*Pollachius virens*
R	Redfish	*Sebastes marinus*
RE	Rock gunnel	*Pholis gunnellus*
RH	Squirrel hake	*Urophycis chuss*
RO	Fourbeard rockling	*Enchelyopus cimbrius*
SC	Longhorn sculpin	*Myozocephalus octodecemspinosus*
SH	Silver hake	*Merluccious bilinearis*
SY	Shanny	*Stichaeidae* (Family)
U	Unidentified	
W	Wrymouth	*Cryptacanthodes maculatus*
WE	Weakfish	*Cynoscion regalis*
WF	Witch flounder	*Glyptocephalus cynoglossus*
WH	White hake	*Urophycis tenuis*
WO	Atlantic wolffish	*Anarhichas lupus*
Y	Yellowtail flounder	*Limanda ferruginea*

Table 2.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 57, February 21 to March 2, 1955

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
					loading 1	loading 1	‰	°F.	°F.
Feb. 21	1500	41°17.5'	71° 00'	--	2	2	32.30	36.0	35.0
Feb. 21	1600	41°06.8'	71° 01'	--	3	3	--	39.5	39.3
Feb. 21	1700	41° 00'	71°01.2'	--	5	4	32.55	37.4	37.1
Feb. 21	1800	40° 53'	71°01.9'	--	6	5	--	37.6	37.5
Feb. 21	1900	40° 40'	71° 00'	--	9	7	32.54	36.5	36.5
Feb. 21	2000	40°30.3'	71° 00'	--	10	8	--	41.0	39.9
Feb. 21	2100	40° 21'	71° 00'	--	12	10	33.12	42.3	41.9
Feb. 21	2200	40°07.5'	70° 59'	--	15	12	--	41.7	41.8
Feb. 21	2300	39° 58'	70° 58'	--	17	13	33.11	41.8	42.6
Feb. 21	2400	39° 58'	70° 44'	--	19	14	--	41.3	41.4
Feb. 22	0100	39° 58'	70°27.5'	--	21	16	33.47	41.2	43.2
Feb. 22	0200	39°58.3'	70° 15'	--	23	17	--	44.7	45.1
Feb. 22	0300	39°58.5'	70° 05'	--	24	18	33.25	42.5	42.5
Feb. 22	0400	39°59.5'	69°52.5'	--	25	19	--	42.4	42.4
Feb. 22	0500	40° 00'	69° 38'	1	28	21	34.19	46.6	46.4
Feb. 22	0645	40° 00'	69° 32'	--	29	27	33.72	44.2	44.6
Feb. 22	0900	40° 00'	69° 08'	--	32	29	33.27	42.6	42.6
Feb. 22	1005	40° 00'	68° 57'	--	33	30	--	41.8	41.8
Feb. 22	1100	40° 01'	68°43.5'	--	35	32	33.04	41.9	42.0
Feb. 22	1200	40° 00'	68° 30'	--	37	33	--	44.5	44.6
Feb. 22	1300	40° 00'	68° 16'	--	40	35	33.77	45.2	48.2
Feb. 22	1400	40° 00'	68° 00'	--	42	37	--	46.8	47.8
Feb. 22	1500	40° 07'	67° 58'	--	44	38	33.59	44.5	45.0
Feb. 22	1600	40° 17'	67° 53'	--	46	40	--	46.5	46.5
Feb. 22	1700	40°25.2'	67°48.8'	2	48	41	33.17	42.0	41.8
Feb. 22	1825	40°36.5'	67°42.5'	--	51	42	--	41.5	41.1
Feb. 22	2000	40° 51'	67° 38'	--	53	49	32.99	41.2	41.1
Feb. 22	2100	40°58.3'	67° 31'	--	55	51	--	41.3	41.2
Feb. 22	2200	41°08.5'	67°24.5'	--	56	52	33.03	40.7	40.5
Feb. 22	2300	41°19.5'	67°16.7'	--	58	54	--	39.7	39.8
Feb. 22	2400	41°27.5'	67° 10'	--	60	56	33.27	39.7	40.0
Feb. 23	0100	41°35.5'	67° 04'	--	61	57	--	40.0	40.1
Feb. 23	0200	41°44.2'	66° 58'	--	63	58	33.16	39.8	39.8
Feb. 23	0300	41° 54'	66°51.5'	3	65	60	--	40.1	40.2
Feb. 23	0400	42° 04'	66°44.2'	--	67	61	33.17	39.7	39.5
Feb. 23	0500	42° 06'	66°42.5'	4	68	62	--	41.1	41.1
Feb. 23	0600	42°13.5'	66° 37'	--	69	63	33.19	40.7	40.8
Feb. 23	0800	42° 26'	66°30.5'	--	72	71	32.66	39.8	39.8
Feb. 23	0900	42° 36'	66°25.5'	--	74	73	--	40.0	39.9
Feb. 23	1000	42° 46'	66°22.5'	--	76	74	31.11	35.8	35.8
Feb. 23	1100	42° 55'	66°16.5'	--	78	75	--	35.8	36.0
Feb. 23	1200	43° 04'	66°10.5'	--	80	77	31.31	36.4	36.2
Feb. 23	1310	43°13.5'	66°04.3'	--	82	78	--	35.9	35.9
Feb. 23	1400	43°19.5'	66°04.2'	--	83	79	31.26	35.9	36.0
Feb. 23	1500	43°27.2'	66°07.8'	--	85	81	--	35.6	35.7
Feb. 23	1600	43° 35'	66°12.3'	--	86	82	31.21	35.5	35.5
Feb. 23	1700	43° 43'	66°18.2'	--	88	83	--	35.9	36.0
Feb. 23	1800	43°52.5'	66° 24'	--	90	84	31.59	35.6	35.6
Feb. 23	1900	43° 59'	66° 32'	--	92	86	--	37.5	37.6

Table 2. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F
Feb. 23	2000	43°58.2'	66° 42'	--	93	87	31.80	38.1	38.2
Feb. 23	2100	43°56.5'	66°53.3'	--	95	88	--	38.5	38.5
Feb. 23	2300	43° 53'	67°16.5'	--	98	90	31.92	38.1	38.2
					loading 2	loading 2			
Feb. 24	0130	43° 52'	67° 27'	--	1	--	--	38.4	38.4
Feb. 24	0400	43° 50'	67°48.5'	--	3	--	32.34	39.6	39.6
Feb. 24	0615	43° 48'	68°14.5'	--	6	--	--	38.2	38.2
Feb. 24	0815	43°45.2'	68°44.5'	--	10	--	32.71	38.3	38.3
Feb. 24	0900	43°44.2'	68°55.5'	--	11	--	--	38.8	38.8
Feb. 24	1000	43°42.5'	69° 08'	--	12	--	32.79	39.5	39.6
Feb. 24	1100	43°40.5'	69°23.5'	--	14	--	--	39.4	39.6
Feb. 24	1200	43°39.7'	69°35.5'	--	15	--	32.32	37.6	37.9
Feb. 24	1300	43°35.3'	69°46.5'	--	17	--	--	36.3	37.5
Feb. 24	1400	43°26.8'	69° 57'	--	18	--	32.56	38.9	38.9
Feb. 24	1500	43° 19'	70° 06'	--	20	--	--	38.8	38.5
Feb. 24	1600	43°10.3'	70° 15'	--	21	--	32.26	38.1	38.7
Feb. 24	1710	43°06.8'	70° 20'	5	23	--	32.24	37.8	37.8
Feb. 24	1900	42°50.5'	70°30.2'	--	27	--	32.83	38.4	38.6
Feb. 24	2045	42°37.3'	70° 32'	--	29	--	32.45	37.8	38.0
Feb. 24	2200	42° 30'	70°31.5'	--	30	--	--	38.0	38.1
Feb. 24	2300	42°21.3'	70°31.5'	--	31	--	32.50	36.9	37.1
Feb. 24	2400	42° 06'	70°31.3'	--	34	--	--	35.8	35.8
Feb. 25	0100	42°05.5'	70°23.8'	--	35	--	32.56	36.9	37.3
Feb. 25	0200	42°12.2'	70° 13'	--	37	--	--	38.7	38.8
Feb. 25	0305	42° 19'	70° 03'	--	38	--	33.12	39.8	39.8
Feb. 25	0405	42° 28'	69° 59'	--	40	--	--	40.5	40.5
Feb. 25	0500	42°36.3'	69°57.5'	6	41	--	33.08	39.8	40.0
Feb. 25	0600	42°46.3'	69°56.5'	--	45	--	--	39.6	39.7
Feb. 25	0805	43° 01'	69° 56'	--	47	--	32.92	39.8	39.8
Feb. 25	0900	43°00.8'	69°47.8'	--	48	--	--	39.6	39.6
Feb. 25	1000	43°00.5'	69°34.2'	--	50	--	32.64	39.5	39.3
Feb. 25	1100	42°58.7'	69°21.3'	--	52	--	--	40.3	40.1
Feb. 25	1200	42°54.3'	69°09.5'	--	53	--	32.91	40.3	40.1
Feb. 25	1310	42° 54'	68° 52'	--	56	--	--	39.6	39.7
Feb. 25	1400	42°51.7'	68°38.5'	--	58	--	32.64	39.7	39.8
Feb. 25	1500	42° 50'	68° 28'	--	59	--	--	39.9	39.9
Feb. 25	1610	42°47.8'	68° 14'	--	61	--	32.51	39.2	39.2
Feb. 25	1700	42°45.5'	68° 00'	--	63	--	--	39.0	39.1
Feb. 25	1830	43°44.7'	67°47.5'	--	65	--	32.71	39.8	39.8
Feb. 25	2000	43° 45'	67°27.5'	--	67	--	--	39.1	39.5
Feb. 25	2105	42°44.2'	67°12.3'	--	69	--	32.20	38.5	38.5
Feb. 25	2200	42°43.3'	66°59.2'	--	71	--	--	39.1	39.2
Feb. 25	2300	42° 43'	66°43.2'	--	73	--	32.65	39.5	39.7
Feb. 25	2400	42°42.3'	66°32.5'	--	75	--	--	36.1	36.8
Feb. 26	0100	42°42.4'	66°19.5'	--	76	--	31.27	35.6	36.2
Feb. 26	0200	42°42.4'	66°04.5'	--	78	--	--	35.7	36.5
Feb. 26	0230	42° 43'	65°59.5'	7	79	--	31.15	36.0	36.7
Feb. 26	0400	42°42.8'	65° 43'	--	81	--	--	35.7	35.8
Feb. 26	0500	42°42.4'	65°31.3'	--	82	--	31.09	35.7	36.1

Table 2. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Feb. 26	0600	42° 42'	65° 20'	--	84	--	--	36.0	36.0
Feb. 26	0700	42°41.5'	65° 10'	--	85	--	30.94	35.7	35.7
Feb. 26	0755	42°37.8'	65° 09'	--	88	--	--	34.7	34.8
Feb. 26	0900	42°30.5'	65° 18'	--	90	--	31.16	34.9	34.9
Feb. 26	1000	42° 23'	65°26.5'	--	91	--	31.13	35.3	35.4
Feb. 26	1100	42°15.7'	65°35.5'	--	93	--	--	35.5	35.6
Feb. 26	1150	42°09.2'	65° 43'	--	95	--	31.44	36.9	37.1
Feb. 26	1235	42°04.2'	65° 49'	--	97	--	--	36.7	37.4
					loading 3	loading 3			
Feb. 26	1420	41°57.5'	65°50.5'	8	1	1	32.01	37.9	38.3
Feb. 26	1600	41°57.5'	66°07.7'	--	3	2	--	39.8	41.1
Feb. 26	1700	41°57.5'	66°18.5'	--	5	3	33.12	40.5	40.5
Feb. 26	1800	41°57.5'	66°32.2'	--	6	4	--	40.2	40.2
Feb. 26	1900	41°57.5'	66° 45'	--	8	5	33.27	40.9	41.0
Feb. 26	2000	41° 59'	66° 58'	--	10	6	--	40.4	40.4
Feb. 26	2100	42° 01'	67°11.8'	--	12	8	33.31	40.9	41.0
Feb. 26	2200	42° 02'	67°27.8'	--	13	9	--	41.4	41.6
Feb. 26	2305	42°03.5'	67°46.4'	--	16	11	33.39	41.4	41.4
Feb. 27	0005	42° 05'	68° 00'	--	18	12	--	40.8	40.8
Feb. 27	0100	42°06.5'	68°13.8'	--	20	13	33.10	40.4	40.6
Feb. 27	0200	42° 08'	68°27.5'	--	21	14	--	40.7	40.6
Feb. 27	0300	42°09.5'	68°40.5'	--	23	15	33.92	40.0	40.0
Feb. 27	0400	42°11.8'	68°54.2'	--	25	16	--	41.0	41.0
Feb. 27	0500	42°12.7'	69° 08'	--	26	18	33.37	41.4	41.4
Feb. 27	0605	42° 14'	69° 22'	9	32	21	--	40.7	40.7
Feb. 27	0800	42° 14'	69°38.5'	--	34	22	33.21	40.4	40.5
Feb. 27	1005	42° 13'	69° 55'	--	37	23	32.97	39.3	39.3
Feb. 27	1100	42° 03'	69°54.5'	--	39	24	--	37.8	38.0
Feb. 27	1200	41° 53'	69°53.8'	--	40	25	32.76	38.7	38.7
Feb. 27	1300	41°43.3'	69° 50'	--	42	26	--	39.2	39.2
Feb. 27	1400	41°35.5'	69°43.5'	--	43	27	32.89	39.5	39.6
Feb. 27	1500	41°30.5'	69°35.5'	--	45	28	--	40.1	40.0
Feb. 27	1600	41° 30'	69°21.3'	--	47	30	32.96	39.4	39.5
Feb. 27	1705	41°27.5'	69°05.5'	--	49	31	--	41.2	41.2
Feb. 27	1810	41° 26'	68° 51'	10	51	32	33.29	41.8	41.7
Feb. 27	2000	41°26.7'	68° 37'	--	53	35	33.25	41.7	41.7
Feb. 27	2100	41°27.2'	68° 21'	--	55	37	--	41.8	41.8
Feb. 27	2200	41°27.8'	68°09.7'	--	57	38	33.21	39.5	--
Feb. 27	2300	41° 28'	68° 00'	--	58	39	--	39.4	--
Feb. 27	2400	41°28.3'	67° 52'	--	59	39	33.21	39.9	39.9
Feb. 28	0100	41°28.5'	67°44.5'	--	60	40	--	40.4	--
Feb. 28	0210	41°28.8'	67°32.5'	--	62	41	33.28	40.3	--
Feb. 28	0300	41°29.5'	67° 20'	--	63	42	--	40.1	40.1
Feb. 28	0400	41°29.7'	67° 06'	--	65	43	33.19	40.3	--
Feb. 28	0500	41° 30'	66°45.5'	--	68	45	--	40.5	40.6
Feb. 28	0640	41°29.5'	66°23.5'	11	71	46	33.00	40.8	41.0
Feb. 28	0805	41° 28'	66°02.3'	--	74	49	32.13	38.2	38.5
Feb. 28	0900	41° 26'	65°54.2'	--	77	50	31.82	37.5	37.4
Feb. 28	1000	41°18.3'	66° 02'	--	78	52	--	37.1	--
Feb. 28	1100	41° 12'	66°09.2'	--	80	53	32.03	38.2	--

Table 2.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Feb. 28	1200	41° 06'	66° 19'	--	81	54	32.31	39.1	39.3
Feb. 28	1300	41° 01'	66°28.2'	--	82	55	--	38.8	39.1
Feb. 28	1400	41° 01'	66°41.8'	--	84	57	32.56	40.1	40.1
Feb. 28	1500	41° 01'	66° 54'	--	86	58	--	39.9	40.0
Feb. 28	1600	41° 01'	67° 06'	--	87	59	32.83	40.8	40.8
Feb. 28	1700	41° 01'	67°18.5'	--	89	60	--	40.4	40.3
					loading 4				
Feb. 28	1755	41° 01'	67°26.6'	12	1	61	32.97	41.0	41.0
Feb. 28	2000	41° 00'	67°40.5'	--	3	63	33.07	40.2	40.0
Feb. 28	2105	41° 00'	67°55.3'	--	4	64	--	39.0	39.0
Feb. 28	2200	41° 00'	68° 04'	--	6	65	33.17	39.2	39.0
Feb. 28	2300	41° 00'	68° 14'	--	7	66	--	39.5	39.6
Feb. 28	2400	41° 00'	68° 32'	--	9	67	33.21	40.4	40.3
Mar. 1	0100	41° 00'	68° 46'	--	11	69	--	40.9	41.0
Mar. 1	0200	41° 00'	69°01.5'	--	13	70	33.17	40.5	40.6
Mar. 1	0305	40°55.7'	69° 11'	--	15	72	--	40.5	40.8
Mar. 1	0405	40° 49'	69° 08'	--	16	72	33.25	41.5	41.5
Mar. 1	0505	40° 39'	69°03.5'	--	18	74	--	40.0	40.1
Mar. 1	0610	40° 31'	69° 00'	13	20	75	33.09	41.0	41.0
Mar. 1	0800	40°29.8'	68°43.5'	--	21	76	--	41.2	41.1
Mar. 1	0900	40°29.5'	68° 31'	--	23	77	32.55	40.8	41.6
Mar. 1	1000	40°28.2'	68° 18'	--	24	78	--	39.6	39.8
Mar. 1	1100	40°28.5'	68°04.8'	--	26	80	32.01	39.4	39.4
Mar. 1	1200	40°29.7'	67°48.5'	--	29	81	--	39.4	39.4
Mar. 1	1300	40°29.8'	67°36.5'	--	30	82	32.12	41.9	42.0
Mar. 1	1405	40° 30'	67°25.8'	--	31	83	--	39.5	39.6
Mar. 1	1500	40° 31'	67° 16'	--	32	84	32.48	40.9	40.8
Mar. 1	1600	40° 32'	67°05.5'	--	34	85	--	47.1	47.2
Mar. 1	1700	40° 33'	66°51.8'	--	35	86	34.03	46.4	46.3
Mar. 1	1805	40°41.8'	66° 46'	--	37	87	--	49.0	48.7
						loading 4			
Mar. 1	2005	40°54.5'	66°39.5'	--	41	2	32.44	40.4	40.5
Mar. 1	2105	41° 04'	66° 34'	--	42	3	--	40.3	40.4
Mar. 1	2200	41°13.8'	66° 28'	--	44	4	33.02	40.7	40.8
Mar. 1	2305	41°22.5'	66°23.5'	--	46	5	--	40.6	40.7
Mar. 1	2400	41° 28'	66° 21'	--	47	6	33.03	40.6	40.7
Mar. 2	0100	41° 38'	66° 16'	--	49	7	--	40.8	40.9
Mar. 2	0200	41°47.5'	66°10.5'	--	50	8	33.06	40.3	40.4
Mar. 2	0300	41°57.5'	66° 06'	--	52	9	--	41.1	41.1
Mar. 2	0405	42°06.8'	66° 00'	--	54	11	32.21	38.8	38.9
Mar. 2	0505	42°16.2'	65°55.3'	--	56	12	--	35.8	35.9
Mar. 2	0605	42° 26'	65° 50'	--	57	13	31.30	35.8	35.9
Mar. 2	0715	42°37.5'	65° 44'	--	59	14	--	35.7	35.7
Mar. 2	0800	42°42.5'	65°41.5'	--	60	15	31.15	36.7	36.9
Mar. 2	0905	42°50.8'	65°36.2'	--	62	16	--	36.8	37.1
Mar. 2	1005	43° 01'	65° 31'	--	64	17	31.07	36.6	36.5
Mar. 2	1100	43°10.8'	65°25.8'	--	66	19	--	35.5	35.6
Mar. 2	1200	43° 21'	65° 23'	--	68	20	31.00	35.9	35.9

Table 3. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 58, March 19 to April 1, 1955

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
					loading 1	loading 1	‰	°F.	°F.
Mar. 19	1000	41°17.5'	71° 00'	--	1	1	32.28	37.6	37.7
Mar. 19	1100	41° 10'	71° 00'	--	2	2	--	38.7	38.1
Mar. 19	1200	41° 00'	71° 00'	--	4	4	32.56	39.5	39.4
Mar. 19	1300	40°48.5'	70°59.5'	--	6	5	--	39.7	39.7
Mar. 19	1400	40° 40'	70°59.5'	--	7	6	32.83	39.7	39.8
Mar. 19	1500	40°28.8'	71°00.8'	--	9	8	--	39.4	39.4
Mar. 19	1600	40° 17'	70° 59'	--	11	10	33.11	41.6	41.5
Mar. 19	1700	40°07.5'	71° 00'	--	12	11	--	43.7	43.7
Mar. 19	1800	40° 01'	70°52.2'	--	14	13	33.24	43.1	43.2
Mar. 19	1905	40°01.5'	70°40.5'	--	15	14	--	42.9	42.8
Mar. 19	2000	40°00.5'	70°22.5'	--	18	16	33.17	43.0	43.1
Mar. 19	2105	39°58.2'	70° 02'	--	20	18	--	43.2	43.2
Mar. 19	2210	39°59.5'	69°49.5'	--	22	20	33.13	42.4	42.7
Mar. 19	2300	40° 00'	69°39.3'	--	23	21	--	42.0	42.3
Mar. 19	2400	40° 01'	69°28.2'	1	24	22	33.19	41.7	41.8
Mar. 20	0200	40°01.7'	69°12.5'	--	28	26	33.12	42.0	42.0
Mar. 20	0300	40°02.2'	68° 58'	--	31	28	--	42.0	42.0
Mar. 20	0400	40°02.8'	68° 43'	--	33	30	34.96	41.5	41.5
Mar. 20	0510	40°02.9'	68°35.5'	--	34	31	--	41.1	41.1
Mar. 20	0600	40°03.1'	68° 30'	--	34	32	33.48	43.7	43.7
Mar. 20	0705	40°03.3'	68° 23'	--	35	33	--	51.3	51.4
Mar. 20	0805	40°03.7'	68° 10'	--	37	34	33.95	45.9	48.0
Mar. 20	0905	40°04.2'	67°58.5'	--	39	35	33.25	43.3	43.4
Mar. 20	1000	40° 12'	67°52.5'	--	40	37	--	43.4	43.5
Mar. 20	1100	40°21.3'	67° 47'	--	42	38	32.90	42.1	42.2
Mar. 20	1200	40°30.4'	67°44.5'	--	44	40	--	42.2	41.6
Mar. 20	1300	40° 39'	67°41.8'	--	45	41	32.95	42.7	42.5
Mar. 20	1400	40°46.2'	67°36.8'	--	47	43	--	43.0	41.2
Mar. 20	1500	40°55.8'	67°34.5'	--	49	44	33.19	42.2	41.0
Mar. 20	1600	41°05.7'	67° 31'	--	51	46	--	41.7	41.0
Mar. 20	1700	41°15.8'	67°25.9'	--	53	48	33.31	41.0	41.0
Mar. 20	1800	41°26.2'	67° 21'	2	55	50	--	41.1	41.2
Mar. 20	2005	41°39.6'	67°10.2'	--	59	62	33.28	41.1	41.2
Mar. 20	2100	41° 49'	67°03.8'	--	61	65	--	41.1	41.3
Mar. 20	2205	42° 00'	66°57.2'	--	63	67	33.13	40.7	40.7
Mar. 20	2300	42°08.3'	66°51.2'	--	64	68	--	39.0	39.2
Mar. 20	2400	42° 18'	66°43.9'	--	66	70	31.71	36.9	36.9
Mar. 21	0100	42°37.5'	66°37.3'	--	68	72	33.32	38.0	38.0
Mar. 21	0200	42°33.6'	66° 34'	--	69	74	--	37.1	36.9
Mar. 21	0300	42°43.5'	66°27.8'	--	71	75	31.80	37.6	37.5
Mar. 21	0405	42°51.8'	66°22.7'	--	73	77	--	36.5	36.7
Mar. 21	0500	43° 00'	66°17.8'	--	74	78	32.17	38.4	39.6
Mar. 21	0600	43°08.7'	66°13.2'	3	76	80	--	38.0	38.1
Mar. 21	0800	43° 20'	66°06.8'	--	78	82	31.65	37.3	37.6
Mar. 21	0900	43° 25'	66° 08'	--	79	83	--	35.4	35.7
Mar. 21	1000	43° 30'	66°10.2'	--	80	84	31.77	35.4	35.6
Mar. 21	1100	43°36.5'	66° 14'	--	82	85	--	35.6	35.7
Mar. 21	1200	43°43.6'	66°19.7'	--	84	87	31.55	35.6	35.6
Mar. 21	1300	43° 50'	66°24.4'	--	85	88	--	37.6	37.5
Mar. 21	1400	43°58.7'	66° 30'	--	87	90	32.20	38.1	38.0

Table 3. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Mar. 21	1500	43°56.7'	66°41.3'	--	89	92	--	38.4	38.4
Mar. 21	1600	43° 56'	66°54.7'	--	91 loading 2	94 loading 2	32.15	38.4	38.4
Mar. 21	1700	43°55.4'	67° 09'	4	1	1	32.39	38.5	38.5
Mar. 21	1900	43°54.4'	67°15.8'	--	2	1	--	38.3	38.4
Mar. 21	2000	43°53.7'	67°29.5'	--	3	3	31.97	38.1	38.3
Mar. 21	2100	43°52.8'	67°42.2'	--	5	5	--	37.9	38.0
Mar. 21	2200	43° 52'	68°03.5'	--	7	8	32.30	38.6	38.6
Mar. 21	2300	43°51.5'	68°14.7'	--	9	9	--	38.2	38.3
Mar. 21	2400	43°50.3'	68° 27'	--	10	11	32.21	38.2	38.5
Mar. 22	0100	43°44.5'	68°43.8'	--	13	13	--	38.2	38.2
Mar. 22	0200	43°42.4'	68°52.5'	--	14	14	32.32	37.4	37.5
Mar. 22	0300	43°39.8'	69°06.8'	--	16	16	--	37.6	37.6
Mar. 22	0400	43°38.4'	69° 22'	--	18	18	32.48	38.1	38.1
Mar. 22	0500	43° 36'	69° 36'	--	19	20	--	38.1	38.4
Mar. 22	0600	43°33.7'	69° 49'	--	21	22	31.78	37.6	38.2
Mar. 22	0700	43°26.2'	69°59.5'	--	23	24	--	37.8	37.9
Mar. 22	0800	43° 21'	70°06.5'	--	24	25	32.56	38.7	38.8
Mar. 22	0900	43°14.3'	70°15.8'	--	26	27	--	38.1	38.2
Mar. 22	1000	43° 06'	70°25.7'	--	28	29	32.42	38.0	38.1
Mar. 22	1100	42°59.4'	70° 28'	5	29	30	--	38.0	38.1
Mar. 23	1300	42° 59'	70° 22'	--	35	34	32.63	39.0	39.0
Mar. 23	1415	42°58.8'	70° 12'	--	35	35	--	39.6	39.6
Mar. 23	1500	42°56.8'	70° 00'	--	37	36	32.81	39.8	39.9
Mar. 23	1600	42°55.4'	69°46.4'	--	39	38	--	39.6	39.7
Mar. 23	1700	42°54.6'	69°32.9'	--	40	39	32.75	40.2	40.2
Mar. 23	1800	42°54.5'	69°20.2'	--	42	41	--	40.6	40.6
Mar. 23	1900	42° 55'	69°06.3'	--	43	42	32.72	40.1	40.1
Mar. 23	2005	42° 55'	68°52.8'	--	45	44	--	39.6	39.7
Mar. 23	2100	42°54.3'	68°39.2'	--	47	46	32.19	38.7	38.7
Mar. 23	2205	42°53.7'	68°24.2'	--	49	47	--	39.0	39.0
Mar. 23	2300	42° 53'	68°11.5'	--	50	49	32.36	39.3	39.5
Mar. 23	2400	42°52.6'	67° 58'	--	52	51	--	39.6	39.6
Mar. 24	0100	42°51.9'	67° 35'	--	55	53	32.56	39.7	39.8
Mar. 24	0200	42°50.8'	67° 30'	--	55	54	--	39.5	39.5
Mar. 24	0300	42°50.2'	67°16.3'	--	57	55	32.94	40.3	40.3
Mar. 24	0415	42°49.2'	66°58.2'	--	59	58	--	39.8	39.7
Mar. 24	0500	42°48.6'	66° 49'	--	60	59	32.50	39.4	39.4
Mar. 24	0600	42°47.8'	66° 37'	--	62	60	--	37.2	37.4
Mar. 24	0700	42°47.5'	66°23.2'	--	63	62	31.67	37.4	37.4
Mar. 24	0800	42° 46'	66°11.2'	--	65	64	--	37.3	37.1
Mar. 24	0900	42°45.2'	65°55.7'	--	67	65	31.71	37.6	37.6
Mar. 24	1000	42°44.3'	65°42.2'	--	68	67	--	35.7	35.4
Mar. 24	1100	42°43.7'	65°28.4'	--	70	68	31.27	35.5	35.4
Mar. 24	1200	42°42.4'	65°14.1'	--	71	70	--	35.5	35.3
Mar. 24	1300	42°40.5'	64°59.5'	6	75	72	31.40	35.5	35.5
Mar. 24	1500	42° 29'	64° 59'	--	76	76	--	35.5	35.5
Mar. 24	1600	42°17.8'	65° 02'	--	79	77	31.25	35.4	35.4
Mar. 24	1700	42°15.6'	65°13.5'	--	80	79	--	35.5	35.8

Table 3.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Mar. 24	1800	42°16.4'	65°27.2'	--	82	80	31.51	35.9	35.8
Mar. 24	1900	42° 18'	65° 41'	--	83	82	--	35.6	35.7
Mar. 24	2000	42°19.2'	65° 55'	--	85	83	31.87	37.5	37.4
Mar. 24	2100	42°20.3'	66°08.8'	--	87	85	--	36.4	36.4
Mar. 24	2200	42°21.5'	66° 23'	--	88	86	32.32	39.1	39.1
Mar. 24	2300	42° 22'	66°35.3'	--	90	88	--	38.3	38.2
					loading 3	loading 3			
Mar. 25	0115	42°22.5'	66°49.5'	7	1	1	31.82	37.8	37.8
Mar. 25	0205	42° 22'	66°57.5'	--	2	2	--	38.0	38.5
Mar. 25	0300	42° 21'	67° 10'	--	4	3	32.85	40.5	40.7
Mar. 25	0400	42°20.3'	67°20.5'	--	5	5	--	40.0	40.1
Mar. 25	0500	42°19.8'	67°31.5'	--	7	6	32.61	40.0	40.0
Mar. 25	0555	42°18.7'	67°41.8'	--	8	7	--	39.8	39.9
Mar. 25	0705	42° 18'	67°52.2'	--	9	9	32.84	39.9	39.9
Mar. 25	0800	42°17.8'	68°01.5'	--	11	10	--	39.9	39.9
Mar. 25	1000	42°17.3'	68°19.3'	--	13	12	32.83	40.1	40.2
Mar. 25	1200	42°16.1'	68° 40'	--	16	15	32.61	39.5	39.5
Mar. 25	1400	42°13.6'	69°02.5'	--	19	18	32.98	40.9	40.8
Mar. 25	1600	42°13.4'	69°26.4'	--	22	21	33.04	40.8	40.8
Mar. 25	1700	42°13.2'	69°39.8'	--	24	22	--	40.6	40.6
Mar. 25	1800	42°12.8'	69° 53'	8	26	25	32.89	40.4	40.5
Mar. 25	2000	42° 13'	70°10.4'	--	28	27	--	38.5	38.6
Mar. 25	2100	42°13.5'	70°23.2'	--	29	29	32.38	38.3	38.3
Mar. 25	2205	42° 15'	70° 40'	--	32	31	--	37.9	37.9
Mar. 25	2300	42°08.5'	70° 29'	--	33	33	32.30	38.2	38.3
Mar. 25	2400	42°07.7'	70°16.3'	--	35	34	--	38.1	38.2
Mar. 26	0100	42°07.3'	70°01.9'	--	36	36	32.60	39.0	38.9
Mar. 26	0200	41°57.6'	69°54.2'	--	39	39	--	38.7	38.7
Mar. 26	0300	41°44.5'	69° 50'	--	41	41	33.03	39.5	39.5
Mar. 26	0400	41°44.6'	69°38.5'	--	41	41	--	39.4	39.6
Mar. 26	0500	41°44.3'	69° 26'	--	43	43	--	40.4	40.4
Mar. 26	0600	41°44.2'	69°12.3'	9	45	45	--	40.4	40.6
Mar. 26	0800	41°44.5'	68°52.5'	--	51	50	32.89	40.5	40.7
Mar. 26	0900	41°45.3'	68°40.7'	--	52	51	--	40.1	40.1
Mar. 26	1000	41° 45'	68°28.7'	--	54	52	33.21	41.3	41.5
Mar. 26	1100	41°46.5'	68°13.5'	--	56	54	--	41.3	41.6
Mar. 26	1200	41°45.7'	68°01.5'	--	57	55	33.24	41.4	41.5
Mar. 26	1300	41° 46'	67°48.2'	--	59	57	--	40.9	40.9
Mar. 29	0400	41°57.7'	69°48.5'	--	65	62	32.98	40.2	40.2
Mar. 29	0515	41° 57'	69°31.8'	--	67	64	--	40.3	40.3
Mar. 29	0600	41°56.6'	69°21.7'	--	68	65	33.17	39.8	39.6
Mar. 29	0705	41°56.3'	69°06.2'	--	70	66	--	39.7	39.8
Mar. 29	0805	41°56.2'	68° 52'	--	72	68	32.74	39.8	39.8
Mar. 29	0900	41°56.6'	68°40.2'	--	74	69	--	39.5	39.4
Mar. 29	1000	41° 58'	68° 28'	--	75	70	32.80	40.0	40.0
Mar. 29	1100	41°58.8'	68° 16'	--	77	71	--	40.3	40.3
Mar. 29	1200	41°59.5'	68°01.8'	--	79	73	32.97	40.6	40.4
Mar. 29	1300	42° 01'	67°48.8'	--	80	74	--	40.7	40.7
Mar. 29	1400	42° 01'	67° 33'	--	82	76	33.05	40.4	40.4

Table 3. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Mar. 29	1500	42° 01'	67°19.2'	--	84	78	--	40.4	40.4
Mar. 29	1600	42°00.3'	67°05.2'	--	86	79	33.03	40.4	40.5
Mar. 29	1700	41°58.3'	66°49.2'	--	88	80	--	40.6	40.8
Mar. 29	1800	41°57.5'	66°34.3'	--	90	82	32.89	40.2	40.3
Mar. 29	1900	41°55.4'	66°20.3'	10	91	83	--	39.9	40.1
					loading 4				
Mar. 29	2100	41°53.6'	66°06.4'	--	2	--	32.83	40.2	40.3
Mar. 29	2200	41° 54'	65° 51'	--	4	--	--	39.9	39.9
Mar. 29	2300	41°54.7'	65° 40'	--	6	--	32.31	38.7	39.1
Mar. 29	2400	41°57.8'	65°30.5'	--	7	--	--	37.3	37.2
Mar. 30	0100	42°07.3'	65° 23'	--	9	--	31.50	35.7	35.7
Mar. 30	0200	42°15.8'	65°14.7'	--	11	--	--	35.5	35.5
Mar. 30	0300	42° 24'	65° 08'	--	13	--	31.44	35.4	35.5
Mar. 30	0400	42°29.5'	65°04.4'	--	15	--	--	35.5	35.5
Mar. 30	0500	42°28.8'	65°14.8'	--	17	--	31.35	35.5	35.5
Mar. 30	0600	42° 28'	65°28.5'	11	19	--	--	35.8	35.8
Mar. 30	0630	42°27.8'	65°35.2'	--	20	--	31.52	35.9	35.9
Mar. 30	0755	42°27.6'	65°48.2'	--	21	--	--	36.4	36.4
Mar. 30	0905	42° 27'	66° 03'	--	24	--	31.62	36.7	37.1
Mar. 30	1005	42°26.4'	66° 17'	--	25	--	--	37.2	37.6
Mar. 30	1100	42°24.5'	66°26.7'	--	27	--	32.06	38.3	38.1
Mar. 30	1200	42° 16'	66°23.2'	--	29	--	--	38.6	38.5
Mar. 30	1255	42° 08'	66° 20'	--	30	--	32.31	39.1	39.3
Mar. 30	1400	41°56.3'	66°13.8'	--	33	--	--	40.5	40.6
Mar. 30	1500	41° 48'	66°09.4'	--	34	--	32.74	40.3	40.3
Mar. 30	1600	41°40.2'	66°05.5'	--	35	--	--	39.9	40.3
Mar. 30	1700	41°32.3'	66°00.3'	12	38	--	32.18	38.8	38.9
Mar. 30	1900	41° 29'	66° 14'	--	39	--	--	39.5	39.7
Mar. 30	2000	41°28.6'	66° 24'	--	41	--	32.88	40.7	40.7
Mar. 30	2100	41°27.7'	66°37.2'	--	42	--	--	40.5	40.5
Mar. 30	2200	41°27.3'	66° 49'	--	44	--	33.13	40.6	40.7
Mar. 30	2300	41° 31'	66°58.5'	--	45	--	--	40.6	40.6
Mar. 30	2400	41°39.8'	67°00.2'	--	47	--	33.08	40.5	40.5
Mar. 31	0100	41° 47'	66° 55'	--	49	--	--	40.3	40.3
Mar. 31	0200	41°46.8'	66° 42'	--	50	--	32.94	40.7	40.4
Mar. 31	0300	41° 47'	66° 34'	13	51	--	--	40.0	40.0
Mar. 31	0400	41°46.5'	66° 21'	--	53	--	32.76	40.2	40.4
Mar. 31	0500	41°46.6'	66°05.7'	--	55	--	--	40.2	40.2
Mar. 31	0600	41° 47'	65°51.8'	--	57	--	32.75	40.2	40.4
Mar. 31	0700	41° 47'	65°39.7'	--	59	--	--	36.4	38.6
Mar. 31	0800	41° 43'	65° 41'	--	60	--	31.52	35.5	35.5
Mar. 31	0900	41°35.3'	65°48.7'	--	62	--	--	35.9	35.9
Mar. 31	1000	41°27.5'	65°56.2'	--	63	--	31.73	36.9	36.9
Mar. 31	1100	41°18.2'	66° 04'	--	65	--	--	38.9	38.6
Mar. 31	1200	41° 13'	66° 15'	--	67	--	32.68	40.7	40.6
Mar. 31	1300	41°10.3'	66°28.5'	--	69	--	--	41.3	41.6
Mar. 31	1400	41°08.8'	66° 40'	--	70	--	33.08	41.4	41.3
					loading 5				
Mar. 31	1520	41°06.4'	66°50.3'	14	1	--	--	41.2	41.1
Mar. 31	1600	41°05.5'	66° 58'	--	2	--	33.19	40.8	40.8

Table 3. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Mar. 31	1700	41°04.3'	67° 09'	--	3	--	--	41.1	41.1
Mar. 31	1800	41°02.4'	67° 19'	--	5	--	33.29	41.0	41.3
Mar. 31	1900	41°00.4'	67°29.2'	--	6	--	--	41.1	41.3
Mar. 31	2000	40° 58'	67°39.5'	--	8	--	33.30	40.9	40.7
Mar. 31	2100	40°54.5'	67° 50'	--	9	--	--	40.7	40.7
Mar. 31	2200	40° 52'	68°01.8'	--	11	--	33.19	40.6	40.6
Mar. 31	2300	40° 49'	68°13.5'	--	12	--	--	40.8	40.8
Mar. 31	2400	40° 46'	68° 25'	--	14	--	33.22	41.0	41.0
Apr. 1	0100	40°44.5'	68°37.6'	--	15	--	--	40.8	40.9
Apr. 1	0200	40°42.2'	68°48.8'	--	17	--	33.19	41.0	41.1
Apr. 1	0300	40°40.2'	69°00.2'	--	19	--	--	40.7	40.6
Apr. 1	0400	40° 38'	69° 13'	--	20	--	32.99	40.2	40.2
Apr. 1	0500	40°36.8'	69°23.4'	--	21	--	--	40.1	40.3
Apr. 1	0605	40° 37'	69°32.5'	--	23	--	32.85	39.8	39.9
Apr. 1	0700	40°37.5'	69°42.5'	--	24	--	--	39.3	39.3
Apr. 1	0800	40° 38'	69° 54'	--	26	--	32.66	39.8	39.7
Apr. 1	0900	40°42.7'	70° 06'	--	27	--	--	39.9	39.9
Apr. 1	1000	40° 48'	70° 18'	--	29	--	32.48	38.9	38.7
Apr. 1	1055	40° 55'	70° 28'	--	31	--	--	39.7	39.5
Apr. 1	1155	40°00.5'	70°37.8'	--	33	--	32.41	39.7	39.5
Apr. 1	1300	41° 09'	70°48.5'	15	34	--	--	40.8	40.5

Table 4. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 60, April 19 to May 2, 1955

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
					loading 1	loading 1	‰	°F.	°F.
Apr. 19	1300	41°16.5'	71° 01'	--	1	--	32.08	42.7	42.7
Apr. 19	1400	41° 09'	71° 02'	--	2	--	--	42.0	42.1
Apr. 19	1500	41°00.5'	71°01.5'	--	3	--	32.38	41.8	41.8
Apr. 19	1600	40° 51'	71° 01'	--	5	--	--	42.0	41.8
Apr. 19	1700	40°42.2'	71°01.3'	--	6	--	32.53	41.9	42.0
Apr. 19	1800	40° 32'	71°00.8'	--	8	--	--	43.2	43.0
Apr. 19	1900	40° 21'	71° 00'	--	10	--	33.11	43.4	43.4
Apr. 19	2000	40°11.5'	70°59.5'	--	12	--	--	45.8	45.7
Apr. 19	2100	40° 01'	70°56.7'	--	14	--	33.44	45.8	46.0
Apr. 19	2200	39°56.7'	70° 44'	--	15	--	--	44.8	44.7
Apr. 19	2300	39° 57'	70°37.5'	--	16	--	33.97	48.3	48.3
Apr. 19	2400	39°57.2'	70° 20'	--	18	--	--	47.4	47.4
Apr. 20	0100	39° 58'	70° 11'	--	20	--	33.46	48.7	49.0
Apr. 20	0200	39° 56'	69° 53'	--	22	--	--	42.7	42.6
Apr. 20	0300	39°55.5'	69° 43'	--	23	--	33.39	46.3	46.6
Apr. 20	0400	39° 55'	69° 33'	--	24	--	--	44.8	44.8
Apr. 20	0500	39° 54'	69° 21'	--	26	--	32.75	42.3	42.6
Apr. 20	0600	39° 54'	69° 11'	--	27	--	--	45.9	45.9
Apr. 20	0800	39°53.5'	68° 57'	1	32	17	33.76	46.7	46.5
Apr. 20	0900	39° 54'	68°47.5'	--	33	18	--	46.5	46.6
Apr. 20	1005	39°54.5'	68°34.5'	--	35	20	33.58	46.6	46.7
Apr. 20	1115	39°57.5'	68° 22'	--	37	22	--	46.3	46.5
Apr. 20	1200	39° 58'	68°14.5'	--	38	23	32.21	41.3	41.4
Apr. 20	1300	39°59.3'	68° 01'	--	40	25	--	41.2	40.0
Apr. 20	1400	40° 08'	67° 56'	--	42	27	31.91	39.7	39.7
Apr. 20	1500	40°16'	67° 51'	--	44	29	--	41.0	40.9
Apr. 20	1600	40°22.5'	67°46.5'	--	47	30	32.11	41.3	40.7
Apr. 20	1700	40° 31'	67° 41'	2	49	32	--	40.9	40.7
Apr. 20	1830	40°43.5'	67°33.8'	--	51	34	32.25	41.5	--
Apr. 20	2000	40° 57'	67°30.5'	--	53	38	--	42.1	41.9
Apr. 20	2100	41° 07'	67° 27'	--	55	40	32.30	41.6	41.6
Apr. 20	2200	41° 18'	67°19.5'	--	57	43	--	41.0	41.1
Apr. 20	2300	41°27.5'	67° 12'	--	59	45	32.83	41.9	41.9
Apr. 20	2355	41° 36'	67° 06'	--	61	47	--	41.8	41.8
Apr. 21	0100	41°44.5'	67° 05'	--	63	49	32.79	41.6	41.7
Apr. 21	0200	41° 53'	66°55.5'	--	65	51	--	41.7	41.7
Apr. 21	0300	42° 02'	66° 50'	--	66	53	32.84	41.9	41.9
Apr. 21	0410	42° 12'	66° 44'	--	69	55	--	41.6	42.1
Apr. 21	0500	42° 19'	66° 39'	--	70	56	32.19	40.8	40.9
Apr. 21	0625	42° 27'	66° 33'	3	73	60	--	41.2	41.1
Apr. 21	0800	42° 43'	66° 25'	--	76	63	31.55	38.3	37.8
Apr. 21	0900	42°54.5'	66°22.5'	--	78	65	--	38.8	38.7
Apr. 21	1000	43° 05'	66° 17'	--	80	67	31.76	39.5	38.8
Apr. 21	1100	43° 13'	66°07.5'	--	82	69	--	38.8	38.7
Apr. 21	1200	43°1B.3'	66°04.2'	--	83	71	31.39	38.8	38.4
Apr. 21	1300	43°27.5'	66°10.3'	--	84	72	--	39.1	39.1
Apr. 21	1400	43° 35'	66° 14'	--	86	74	31.55	39.3	39.2
Apr. 21	1455	43° 41'	66°18.2'	--	87	75	--	40.3	39.8
Apr. 21	1600	43° 50'	66° 25'	--	89	77	31.64	39.7	39.5
Apr. 21	1700	44° 00'	66°27.8'	--	91	79	--	39.9	39.6

Table 4. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Apr. 21	1800	43° 59'	66° 42'	--	93	82	32.29	40.2	40.2
Apr. 21	1900	43° 58'	66°56.5'	--	95	84	--	39.2	39.1
Apr. 21	2005	43° 57'	67° 10'	--	96	86	31.97	40.6	40.6
Apr. 21	2105	43° 56'	67° 24'	--	98	88	--	41.4	41.3
					loading 2	loading 2			
Apr. 21	2320	43°54.5'	67° 44'	4	1	1	32.30	41.5	41.5
Apr. 22	0140	43° 46'	67° 59'	--	4	4	32.19	40.2	40.2
Apr. 22	0300	43° 43'	68°16.2'	--	7	7	--	41.3	41.3
Apr. 22	0400	43°40.5'	68° 29'	--	9	9	32.31	41.2	41.3
Apr. 22	0500	43°38.5'	68° 41'	--	10	10	--	40.7	40.2
Apr. 22	0600	43° 36'	68°55.3'	--	12	12	32.10	40.1	39.5
Apr. 22	0700	43° 34'	69° 10'	--	14	14	--	42.3	41.0
Apr. 22	0805	43°31.5'	69° 23'	--	16	16	32.46	42.4	42.1
Apr. 22	0900	43°29.3'	69°35.5'	--	18	17	--	41.9	41.1
Apr. 22	1005	43°28.5'	69°50.7'	--	19	19	31.72	42.5	41.4
Apr. 22	1105	43°19.5'	70°01.3'	--	21	21	--	43.2	42.7
Apr. 22	1205	43°11.5'	70° 12'	--	23	23	29.60	44.0	41.0
Apr. 22	1300	43°05.2'	70°17.3'	--	25	24	--	43.9	42.2
Apr. 22	1400	42°58.5'	70°23.5'	--	26	26	30.58	42.7	39.9
Apr. 22	1500	42°57.5'	70°09.2'	--	27	27	--	42.9	41.9
Apr. 22	1600	42°57.1'	70°01.2'	5	29	30	32.02	41.3	40.9
Apr. 22	1810	42°55.8'	69° 37'	--	32	33	--	42.1	42.1
Apr. 22	1925	42° 56'	69° 24'	--	34	35	32.72	42.5	42.5
Apr. 22	2005	42° 56'	69° 15'	--	35	36	--	42.4	42.4
Apr. 22	2105	42°56.2'	69°02.1'	--	37	38	32.41	41.5	41.1
Apr. 22	2200	42° 56'	68°47.5'	--	39	40	--	41.2	40.8
Apr. 22	2300	42°55.5'	68° 34'	--	41	42	32.34	41.4	41.4
Apr. 22	2400	42° 55'	68° 21'	--	43	44	--	41.4	41.4
Apr. 23	0120	42°54.5'	68° 03'	--	45	46	32.32	41.2	41.2
Apr. 23	0140	42°54.5'	67° 58'	--	46	47	--	41.2	41.1
Apr. 23	0300	42°53.8'	67°40.5'	--	48	49	32.32	41.2	40.8
Apr. 23	0400	42°53.3'	67° 25'	--	50	51	--	40.6	40.2
Apr. 23	0500	42° 53'	67° 12'	--	52	53	32.05	40.5	40.4
Apr. 23	0600	42°52.4'	67° 00'	--	54	54	--	41.0	41.0
Apr. 23	0705	42° 52'	66° 42'	--	56	57	31.72	39.6	39.9
Apr. 23	0805	42° 51'	66° 27'	--	58	59	--	38.8	38.5
Apr. 23	0905	42°50.5'	66° 16'	--	60	61	31.88	39.0	38.9
Apr. 23	1010	42° 50'	66°08.3'	6	61	62	31.97	39.2	39.0
Apr. 23	1105	42° 49'	65°54.5'	--	63	63	--	39.4	39.1
Apr. 23	1205	42° 47'	65°40.7'	--	64	64	31.42	39.9	39.5
Apr. 23	1300	42°44.2'	65° 26'	--	66	66	--	39.7	38.9
Apr. 23	1400	42° 42'	65° 13'	--	68	68	31.28	39.6	39.5
Apr. 23	1500	42°39.7'	64° 59'	--	70	70	--	38.4	38.2
Apr. 23	1600	42°31.5'	64°58.3'	--	71	72	31.17	38.5	38.2
Apr. 23	1700	42°20.5'	65°01.5'	--	73	74	--	37.2	36.6
Apr. 23	1800	42°15.7'	65°12.2'	--	77	76	31.59	37.7	37.0
Apr. 23	1900	42° 16'	65° 29'	--	79	79	--	38.4	38.2
Apr. 23	2000	42°15.7'	65°43.5'	--	80	80	31.34	38.5	38.3
Apr. 23	2110	42°15.7'	66° 02'	--	83	82	--	41.2	41.2

Table 4. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
Apr. 23	2205	42°15.5'	66° 16'	--	85	84	32.44	41.5	41.5
Apr. 23	2305	42° 16'	66°31.2'	--	86 loading 3	86 loading 3	--	41.7	41.5
Apr. 24	0200	42°15.8'	66°45.7'	7	1	1	32.66	41.6	41.0
Apr. 24	0300	42°15.8'	66°51.8'	--	2	2	--	41.5	41.8
Apr. 24	0400	42°16.7'	67°06.2'	--	4	4	32.26	41.8	41.5
Apr. 24	0500	42°17.1'	67°19.5'	--	6	5	--	41.4	40.6
Apr. 24	0600	42° 18'	67°33.4'	--	8	7	32.31	41.0	40.7
Apr. 24	0700	42°18.7'	67° 48'	--	10	9	--	41.6	41.5
Apr. 24	0810	42°17.8'	68°04.2'	--	12	11	32.32	41.8	41.3
Apr. 24	0900	42°16.3'	68°15.5'	--	14	13	--	41.9	41.2
Apr. 24	1005	42°17.4'	68°30.5'	--	16	15	32.51	41.1	40.7
Apr. 24	1105	42°18.1'	68° 47'	--	19	17	--	43.2	42.2
Apr. 24	1210	42°18.5'	69°03.5'	--	21	20	32.56	43.4	42.6
Apr. 24	1310	42°17.5'	69°15.4'	--	23	21	--	43.1	42.5
Apr. 24	1400	42°16.5'	69° 26'	--	24	23	32.09	42.9	42.6
Apr. 24	1530	42° 15'	69°53.5'	--	31	29	--	43.0	42.9
Apr. 24	1625	42° 10'	70° 07'	8	35	33	--	43.1	41.2
Apr. 27	1300	42° 16'	69° 36'	--	29	27	--	42.0	--
Apr. 27	1550	42°14.2'	70° 12'	--	34	32	32.55	40.2	40.2
Apr. 27	1700	42°10.5'	70°06.5'	--	35	34	--	40.6	40.6
Apr. 27	1800	42°01.9'	69°57.1'	--	37	35	32.25	40.8	40.8
Apr. 27	1905	41°51.8'	69°47.5'	--	39	37	--	41.3	41.2
Apr. 27	2000	41°44.5'	69° 38'	--	40	39	32.30	41.4	41.3
Apr. 27	2100	41° 44'	69° 24'	--	42	40	--	42.0	42.0
Apr. 27	2200	41°43.5'	69°10.6'	--	44	42	32.59	42.0	41.9
Apr. 27	2305	41° 44'	68° 55'	--	46	44	--	42.2	41.8
Apr. 27	2400	41° 46'	68° 45'	--	47	45	32.70	42.2	41.9
Apr. 28	0118	41°47.8'	68°28.2'	--	49	48	--	42.6	42.4
Apr. 28	0200	41°48.7'	68°18.7'	--	50	49	32.75	42.3	42.3
Apr. 28	0300	41°50.4'	68°04.6'	--	52	51	--	42.6	41.9
Apr. 28	0400	41°51.8'	67°51.5'	--	54	52	32.97	42.6	42.6
Apr. 28	0500	41°53.8'	67°34.6'	--	56	55	--	43.2	43.2
Apr. 28	0600	41°54.4'	67° 21'	--	57	56	32.86	43.0	43.2
Apr. 28	0700	41°51.2'	67°09.2'	--	59	58	--	42.7	42.8
Apr. 28	0800	41° 44'	66°55.5'	--	61	61	32.84	42.3	42.3
Apr. 28	0905	41°41.6'	66°41.2'	--	62	62	--	42.6	42.6
Apr. 28	1000	41°40.8'	66°29.8'	--	64	64	32.74	42.2	42.1
Apr. 28	1110	41°41.8'	66°15.3'	--	66	66	--	43.1	42.2
Apr. 28	1240	41°44.5'	66°06.5'	9	67	67	31.95	40.6	39.8
Apr. 28	1400	41° 46'	65°50.7'	--	71	71	--	37.4	37.4
Apr. 28	1500	41°45.2'	65° 43'	--	72	72	31.95	39.3	40.0
Apr. 28	1600	41° 35'	65° 54'	--	75	75	--	39.1	38.1
Apr. 28	1700	41°27.4'	66°02.2'	--	77	77	32.24	39.6	38.8
Apr. 28	1800	41°20.2'	66°10.2'	--	78	79	--	39.1	39.5
Apr. 28	1900	41°14.5'	66°18.8'	--	81	81	31.36	39.8	39.2
Apr. 28	2000	41°14.2'	66°31.4'	--	82	82	--	39.2	39.5
Apr. 28	2100	41° 14'	66°44.6'	--	84	84	32.27	42.9	41.4
Apr. 28	2200	41°15.1'	66° 59'	--	86	86	--	41.9	41.8

Table 4. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
					loading 4	loading 4	‰	°F.	°F.
Apr. 29	0020	41°14.2'	67°14.8'	10	1	1	32.56	42.1	42.1
Apr. 29	0300	41°14.3'	67° 33'	--	3	3	--	42.8	42.8
Apr. 29	0400	41°15.4'	67°49.5'	--	5	5	32.45	41.9	41.9
Apr. 29	0500	41°16.5'	68° 04'	--	7	8	--	42.4	42.4
Apr. 29	0905	41°09.5'	68° 08'	--	9	9	32.99	43.3	43.3
Apr. 29	0955	41°08.2'	68°17.7'	--	10	10	--	43.3	43.3
Apr. 29	1115	41°13.8'	68°26.2'	--	11	12	32.95	42.9	42.9
Apr. 29	1300	41°19.3'	68°42.2'	--	14	14	--	42.0	42.1
Apr. 29	1400	41°14.3'	68°50.2'	--	15	16	32.97	41.6	41.3
Apr. 29	1500	41°08.3'	68° 50'	--	16	17	--	42.7	42.6
Apr. 29	1600	41°01.8'	68°49.3'	--	17	18	33.12	43.0	42.8
Apr. 29	1700	40°57.2'	68°49.4'	--	18	19	--	43.3	43.2
Apr. 29	1800	40°48.3'	68°48.5'	11	20	20	32.82	42.9	42.5
Apr. 30	1210	40°40.7'	68°30.4'	--	23	24	32.57	42.6	42.4
Apr. 30	1300	40° 40'	68° 24'	--	24	25	--	42.2	42.1
Apr. 30	1400	40°39.5'	68°16.3'	--	25	26	32.22	43.3	43.3
Apr. 30	1500	40°39.5'	68° 05'	--	27	28	--	41.7	41.7
Apr. 30	1600	40°39.5'	67°53.5'	--	28	30	32.22	41.5	--
Apr. 30	1700	40°39.4'	67°41.6'	--	30	31	--	39.6	39.6
Apr. 30	1800	40°39.4'	67° 29'	--	32	33	32.20	41.0	41.2
Apr. 30	1900	40°39.4'	67°13.4'	--	33	35	--	40.1	40.1
Apr. 30	2000	40°40.5'	67°01.7'	--	35	37	32.88	45.9	45.9
Apr. 30	2100	40°41.8'	66°49.3'	--	37	39	--	46.3	46.4
Apr. 30	2200	40° 47'	66°40.8'	--	38	41	32.74	45.3	45.3
Apr. 30	2300	40°45.4'	66° 35'	--	40	43	--	45.0	46.2
Apr. 30	2400	41°04.1'	66°31.2'	--	42	45	32.64	43.9	44.2
May 1	0100	41°08.3'	66°29.2'	--	43	46	--	40.2	40.7
May 1	0200	41° 15'	66° 26'	--	44	47	32.31	40.8	40.8
May 1	0300	41°19.2'	66°24.1'	--	45	48	--	38.6	39.3
May 1	0400	41°27.2'	66°20.2'	--	46	50	31.82	37.8	37.9
May 1	0500	41°35.8'	66° 16'	--	48	51	--	38.8	39.4
May 1	0600	41°45.2'	66°11.1'	--	49	53	32.07	39.3	39.5
May 1	0700	41°55.5'	66°06.2'	--	50	55	--	40.2	40.5
May 1	0820	42°05.7'	66°00.3'	12	53	57	32.63	42.1	41.8
May 1	0900	42°11.4'	65°53.8'	--	54	59	--	38.2	38.5
May 1	1000	42° 20'	65° 45'	--	56	61	31.53	39.6	39.4
May 1	1115	42°30.4'	65° 35'	--	59	63	--	39.6	38.0
May 1	1215	42°39.5'	65° 30'	--	60	65	31.28	39.9	39.3
May 1	1300	42°47.8'	65°27.2'	--	62	67	--	40.2	39.2
May 1	1400	42°54.5'	65°22.2'	--	63	68	31.21	40.0	38.8
May 1	1500	42° 57'	65°23.6'	--	64	70	--	39.9	38.9
May 1	1600	42° 58'	65° 41'	--	66	72	31.18	39.8	38.9
May 1	1700	42°58.2'	65°57.8'	--	69	74	--	39.2	38.1
May 1	1800	42°48.8'	65°53.2'	--	70	76	31.46	40.3	39.2
May 1	1900	42° 41'	65°48.2'	--	71	77	--	39.8	38.5
May 1	2000	42° 32'	65° 43'	--	73	79	31.45	39.7	39.2
May 1	2100	42°22.3'	65°35.8'	--	75	82	--	38.6	38.0
May 1	2200	42°14'	65° 33'	--	77	84	31.43	37.4	37.5
May 1	2300	42° 07'	65° 45'	--	79	86	--	38.8	38.3
May 1	2400	42° 00'	65°57'	--	81	88	32.19	41.8	41.7

Table 4.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
May 2	0100	41°52.3'	66° 07'	--	83	90	--	42.3	40.3
May 2	0200	41°46.3'	66°17.4'	--	84	92	32.79	42.8	42.5
May 2	0300	41°36.8'	66°27.7'	--	85	93	--	42.1	--
May 2	0400	41° 28'	66° 39'	--	87	96	32.58	44.8	44.2
May 2	0500	41°20.4'	66° 49'	13	89 loading 5	98	--	43.7	43.2
May 2	0720	41°18.3'	67°02.4'	--	1	--	32.65	42.6	41.3
May 2	0810	41° 14'	67°11.6'	--	2	--	--	42.8	42.1
May 2	0900	41°09.5'	67°20.3'	--	4	--	32.53	43.3	43.2
May 2	1000	41° 03'	67° 30'	--	6	--	--	43.6	42.8
May 2	1110	40°55.6'	67° 43'	--	8	--	32.29	43.8	43.0
May 2	1210	40° 48'	67°55.4'	--	9	--	--	43.4	42.8
May 2	1300	40°43.3'	68°04.2'	--	11	--	32.25	43.9	43.5
May 2	1400	40°36.7'	68°11.4'	14	12	--	--	42.6	42.2
May 2	1500	40°34.7'	67°59.8'	--	14	--	31.80	41.5	40.8
May 2	1600	40°32.8'	67°47.4'	--	15	--	--	41.1	40.0
May 2	1700	40°30.7'	67° 35'	--	16	--	31.82	42.0	41.2
May 2	1800	40°32.7'	67°29.5'	--	17	--	--	46.5	45.8
May 2	1900	40°32.5'	67° 45'	--	21	--	31.97	41.9	41.6
May 2	2005	40° 32'	68°01.6'	--	24	--	--	42.0	41.3
May 2	2120	40°30.7'	68°10.7'	--	25	--	32.03	41.1	40.9
May 2	2200	40°29.8'	68° 19'	--	26	--	--	40.9	40.7
May 2	2300	40°28.2'	68° 32'	--	27	--	31.93	43.1	42.7
May 2	2400	40° 27'	68°45.8'	--	29	--	--	43.3	43.3
May 3	0100	40°25.3'	69°01.2'	--	31	--	32.20	42.3	42.3
May 3	0200	40° 26'	69° 15'	--	33	--	--	43.8	43.7
May 3	0300	40°29.4'	69°29.3'	--	35	--	--	44.4	43.6
May 3	0400	40°30.6'	69°42.8'	--	37	--	32.39	44.1	43.9
May 3	0500	40°33.7'	69° 55'	--	38	--	--	43.8	43.7
May 3	0600	40°38.5'	70°07.7'	--	40	--	32.40	44.4	43.0
May 3	0700	40°48.5'	70° 20'	--	43	--	--	44.3	43.9
May 3	0805	40° 57'	70° 31'	--	44	--	32.66	45.6	43.5
May 3	0900	41°03.4'	70° 40'	--	46	--	--	46.7	43.4
May 3	1000	41°10.4'	70°48.8'	15	47	--	32.22	48.4	44.0

Table 5.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 61, May 16-28, 1955

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
					loading 1	loading 1	‰	°F.	°F.
May 16	1115	40°17.3'	71° 00'	--	1	1	32.33	49.7	49.5
May 16	1200	41°10.9'	70°54.8'	--	2	2	--	49.0	47.9
May 16	1300	41°02.6'	70°47.8'	--	3	4	32.42	49.5	49.0
May 16	1400	40°53.6'	70°41.2'	--	5	6	--	49.1	48.5
May 16	1500	40°43.7'	70°33.7'	--	6	9	32.66	49.3	48.3
May 16	1600	40°35.3'	70°26.3'	--	8	11	--	47.9	47.3
May 16	1700	40°26.8'	70°19.2'	--	10	13	32.34	47.4	46.4
May 16	1800	40°18.9'	70°13.6'	--	11	15	--	48.2	48.0
May 16	1900	40°09.5'	70°06.3'	--	12	17	32.14	48.8	48.8
May 16	2000	40° 00'	70° 00'	--	14	19	--	48.3	48.1
May 16	2100	40°00.2'	69°45.7'	--	16	22	32.07	47.9	47.9
May 16	2200	40°00.4'	69°31.8'	--	17	24	--	48.8	48.7
May 16	2300	40° 00'	69°16.7'	--	19	26	32.20	47.4	47.4
May 16	2400	40° 00'	69°18.8'	--	19	26	--	46.8	46.7
May 17	0200	39°59.3'	68°51.2'	1	31	41	31.54	47.7	47.7
May 17	0300	39° 59'	68° 37'	--	33	44	--	50.3	50.3
May 17	0400	39° 59'	68°23.3'	--	35	45	32.92	50.1	50.1
May 17	0500	39° 59'	68° 10'	--	37	47	--	50.0	49.6
May 17	0600	40°00.4'	67°58.1'	--	38	49	32.92	50.1	50.0
May 17	0800	40°18.9'	67°47.3'	--	42	53	33.13	50.3	50.3
May 17	0900	40°27.6'	67°41.3'	--	44	55	--	48.1	50.5
May 17	1000	40°36.8'	67°36.4'	--	45	56	32.51	45.5	45.4
May 17	1100	40°45.8'	67°31.8'	--	47	58	--	45.5	45.5
May 17	1200	40°54.6'	67°27.8'	--	48	60	32.64	45.7	45.7
May 17	1300	41°03.8'	67°23.4'	--	49	62	--	44.2	44.3
May 17	1400	41°13.3'	67°17.4'	--	50	--	32.79	44.8	44.9
May 17	1500	41°23.3'	67°13.8'	--	--	--	--	45.2	45.1
May 17	1600	41°33.3'	67°10.2'	--	--	--	32.84	45.3	45.2
May 17	1700	41°43.8'	67°05.8'	--	--	--	--	44.6	44.7
					loading 2	loading 2			
May 17	1800	41°53.3'	66°58.8'	2	1	1	32.95	44.3	44.3
May 17	2000	42°05.7'	66°52.8'	--	3	3	--	44.0	44.1
May 17	2105	42°16.8'	66°45.5'	--	5	5	32.44	45.5	45.3
May 17	2200	42°24.3'	66°38.7'	--	6	7	--	45.0	44.9
May 17	2300	42°30.8'	66°30'	--	8	8	31.51	42.1	41.3
May 18	0010	42°39.5'	66°19.9'	--	10	10	--	42.8	42.0
May 18	0200	42°57.6'	66°10.6'	--	13	14	31.30	39.6	39.4
May 18	0300	43°07.8'	66°06.2'	--	15	16	--	40.8	40.8
May 18	0400	43°14.8'	66° 09'	--	17	18	31.32	40.5	40.7
May 18	0500	43°14.8'	66°24.9'	--	19	20	--	40.5	40.5
May 18	0600	43°14.6'	66°39.3'	--	21	22	31.56	41.2	40.7
May 18	0705	42° 16'	66° 55'	--	23	24	--	44.3	43.0
May 18	0800	43° 18'	67°08.9'	--	25	26	32.34	44.9	44.6
May 18	0905	43°19.5'	67° 22'	--	26	28	--	44.8	44.6
May 18	1000	43°26.1'	67° 11'	--	28	30	32.32	45.3	45.2
May 18	1100	43°31.5'	66°58.9'	--	30	32	--	44.7	44.4
May 18	1200	43°37.2'	66°46.3'	3	33	35	31.59	44.2	43.9
May 18	1400	43°45.3'	66°29.9'	--	35	37	--	42.9	42.4
May 18	1500	43°52.4'	66°21.8'	--	37	39	31.67	42.5	42.0
May 18	1600	43° 57'	66°34.8'	--	39	41	--	42.0	41.7

Table 5. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
May 18	1700	44°03.6'	66°47.7'	--	41	43	31.67	42.1	41.9
May 18	1800	44° 09'	67°00.3'	--	43	44	--	42.2	42.0
May 18	1900	44°14.8'	67°13.4'	--	44	47	31.35	42.3	42.0
May 18	2000	44°18.5'	67°25.9'	--	46	49	--	41.8	41.3
May 18	2100	44° 20'	67° 20'	--	47	51	31.46	41.5	41.2
May 18	2200	44°20.7'	67°08.3'	--	49	52	--	41.8	41.6
May 18	2400	44°24.2'	66°41.2'	--	52	56	31.07	41.6	41.3
May 19	0100	44°23.8'	66°30.6'	--	54	57	--	42.0	41.8
May 19	0200	44°17.7'	66° 39'	--	55	59	30.91	42.3	41.9
May 19	0300	44°10.8'	66°48.2'	--	57	61	--	42.2	41.4
May 19	0400	44° 04'	66°57.3'	--	59	62	31.76	43.6	43.1
May 19	0500	43°57.3'	67°05.7'	--	60	64	--	43.2	43.0
May 19	0600	43°50.8'	67°13.8'	4	62	65	32.26	44.4	44.4
May 19	0755	43°46.8'	67° 02'	--	64	69	--	41.2	41.2
May 19	0900	43°44.5'	66°47.4'	--	66	71	31.47	41.9	41.8
May 19	1000	43° 40'	66°35.3'	--	68	73	--	41.4	41.5
May 19	1100	43°32.4'	66° 22'	--	70	75	31.73	41.1	40.9
May 19	1155	43° 29'	66° 13'	--	72	77	--	40.9	40.9
May 19	1300	43°28.5'	66°25.2'	--	74	79	31.66	42.4	42.3
May 19	1400	43°27.8'	66°37.8'	--	76	80	--	41.0	41.1
May 19	1500	43°27.4'	66°50.7'	--	77	82	31.70	43.4	42.0
May 19	1600	43° 28'	67°02.2'	--	79	84	--	45.6	45.6
May 19	1700	43°29.2'	67°14.4'	--	81 loading 3	85 loading 3	32.39	45.8	45.8
May 19	1800	43°29.6'	67°28.6'	5	1	1	--	45.2	44.8
May 19	2005	43°30.4'	67°43.5'	--	3	3	32.31	45.8	45.6
May 19	2200	43°30.5'	68°11.9'	--	6	6	32.30	45.8	45.7
May 19	2300	43°30.6'	68°26.8'	--	8	7	--	43.6	43.7
May 20	0005	43°30.7'	68°42.1'	--	10	10	31.84	44.1	43.6
May 20	0105	43° 31'	68°56.2'	--	11	12	--	44.4	44.4
May 20	0200	43°31.1'	69°09.1'	--	13	14	32.00	45.5	45.5
May 20	0300	43°30.8'	69°22.3'	--	14	16	--	46.3	45.5
May 20	0405	43°30.9'	68°37.2'	--	16	18	30.20	47.8	47.4
May 20	0500	43° 31'	68° 51'	--	18	19	--	47.5	45.4
May 20	0600	43°29.3'	70°04.2'	--	20	22	30.33	47.9	47.1
May 20	0700	43°19.1'	70°09.4'	--	22	24	--	47.7	46.8
May 20	0755	43°11.6'	70°15.5'	--	23	25	30.98	47.7	46.8
May 20	0900	43° 00'	70°21.6'	--	25	28	--	48.2	46.8
May 20	1000	42°56.8'	70°11.1'	--	27	30	31.44	48.5	47.5
May 20	1100	42°55.6'	69° 57'	--	29	31	--	47.7	47.3
May 20	1200	42°54.4'	69°44.8'	6	30	33	32.37	48.3	47.3
May 20	1400	42° 51'	69°16.8'	--	36	40	--	49.4	47.8
May 20	1500	42°48.3'	69°00.2'	--	38	42	32.33	48.7	47.7
May 20	1600	42°47.8'	68°47.3'	--	40	44	--	47.8	45.6
May 20	1700	42°46.8'	68°31.8'	--	42	46	31.99	47.3	45.3
May 20	1800	42°47.5'	68°18.6'	--	44	48	--	47.5	46.5
May 20	1900	42°48.2'	68°05.2'	--	45	49	32.37	46.8	45.8
May 20	2000	42°48.8'	67°51.5'	--	47	51	--	46.3	45.6
May 20	2100	42°48.4'	67°37.9'	--	49	53	32.15	45.6	43.2
May 20	2200	42°47.6'	67°24.2'	--	51	55	--	46.1	44.5

Table 5.--Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
May 20	2300	42°47.7'	67°10.5'	--	52	57	32.32	46.4	46.1
May 20	2400	42°47.1'	66°55.2'	--	55	59	--	46.8	46.2
May 21	0100	42°46.3'	66°39.5'	--	57	61	32.37	45.8	46.2
May 21	0200	42°45.3'	66°23.9'	--	59	63	--	42.8	42.0
May 21	0300	42°44.7'	66°08.1'	--	61	65	31.50	42.5	41.5
May 21	0400	42°43.8'	65°55.2'	--	63	67	--	42.2	41.4
May 21	0500	42° 43'	65°42.4'	--	64	69	31.20	43.0	42.0
May 21	0600	42°42.2'	65°27.5'	7	66	72	--	42.2	41.8
May 21	0800	42°39.4'	65° 08'	--	71	74	31.27	42.3	41.6
May 21	0900	42°36.4'	64°51.4'	--	73	77	--	43.2	42.2
May 21	1000	42°30.7'	64°38.9'	--	75	79	31.74	43.1	42.8
May 21	1100	42°21.8'	64°40.2'	--	77	81	--	43.6	42.5
May 21	1200	42°11.2'	64°40.5'	--	79	83	32.69	47.5	46.3
May 21	1300	42° 02'	64°41.8'	--	80	84	--	48.8	48.0
May 21	1400	41°59.7'	64°52.5'	--	83	86	32.51	49.2	48.8
May 21	1500	41°59.8'	65°05.9'	--	84	88	--	47.2	45.6
May 21	1600	41°59.9'	65°19.8'	--	86	90	31.77	44.3	41.8
May 21	1700	41°59.1'	65°32.8'	--	88 loading 4	92 loading 4	--	47.7	47.6
May 21	1805	41°58.4'	65°45.6'	8	1	1	32.15	48.4	48.7
May 21	2000	41°58.3'	66°02.5'	--	3	3	32.51	45.0	44.2
May 21	2100	41°59.2'	66° 18'	--	4	5	--	44.0	43.1
May 21	2200	42°01.1'	66° 31'	--	6	6	32.84	44.6	44.4
May 21	2300	42°03.6'	66°46.2'	--	8	9	--	44.8	44.7
May 21	2400	42° 04'	67°00.2'	--	9	11	32.91	45.1	45.1
May 22	0100	42°02.8'	67°13.2'	--	11	12	--	46.1	46.1
May 22	0200	42°01.6'	67° 26'	--	12	14	32.93	46.3	46.3
May 22	0310	41°57.8'	67° 42'	--	14	16	--	46.1	46.0
May 22	0400	41°59.7'	67°52.5'	--	16	18	32.54	48.7	45.4
May 22	0500	42°02.3'	68°03.6'	--	17	19	--	49.2	47.6
May 22	0600	42°04.8'	68°14.6'	--	18	21	32.48	47.9	46.9
May 22	0700	42° 09'	68°28.3'	--	20	23	--	48.5	48.3
May 22	0800	42°12.4'	68°42.6'	--	21	25	32.58	48.5	47.3
May 22	0900	42°15.7'	68°56.9'	--	23	27	--	48.5	47.3
May 22	1000	42°19.1'	69° 10'	--	25	29	32.47	48.7	47.9
May 22	1100	42°22.9'	69°25.2'	--	26	31	--	49.2	48.6
May 22	1200	42°24.7'	69° 37'	9	29	32	32.14	46.5	45.6
May 22	1400	42° 28'	69° 59'	--	31	43	--	49.9	48.1
May 22	1500	42°30.2'	70°12.4'	--	33	45	30.89	51.1	43.8
May 22	1600	42°32.3'	70°25.2'	--	35	47	--	52.7	51.5
May 22	1700	42°28.8'	70°25.6'	--	37	49	28.30	52.8	50.7
May 22	1800	42° 22'	70°16.5'	--	39	51	--	51.9	48.2
May 22	1900	42°14.5'	70°06.7'	--	40	53	30.94	50.5	48.8
May 22	2000	42°05.8'	69°56.5'	--	42	55	--	51.6	47.8
May 22	2100	41°58.1'	69°46.2'	--	44	57	31.16	49.7	48.2
May 22	2200	41°51.6'	69°34.8'	--	46	59	--	49.6	46.7
May 22	2300	41°50.3'	69°21.2'	--	48	61	32.00	50.1	48.7
May 22	2400	41°49.2'	69°06.1'	10	49	66	--	50.1	48.0

Table 5. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze section *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
May 23	0200	41°48.3'	68°48.1'	--	59	68	32.38	49.4	46.1
May 23	0300	41°47.7'	68°32.5'	--	61	70	--	48.1	47.5
May 23	0400	41°46.8'	68° 17'	--	63	72	32.76	47.5	45.7
May 23	0500	41°45.6'	68°04.4'	--	65	75	--	46.8	46.7
May 23	0600	41°40.8'	68°17.3'	--	67	77	32.72	47.3	46.8
May 23	0700	41°38.8'	68°29.8'	--	69	78	--	49.0	44.3
May 23	0800	41°37.3'	68°41.8'	--	70	80	32.32	48.8	48.1
May 23	0900	41°36.7'	68°55.1'	--	72	82	--	47.7	47.1
May 23	1000	41°36.1'	69°09.2'	--	74	84	32.09	48.3	47.2
May 23	1100	41°34.8'	69°21.8'	--	76	86	--	49.8	48.9
May 23	1200	41°30.8'	69°30.7'	--	77	87	31.88	44.7	44.4
May 23	1400	41°20.8'	69° 24'	--	79	89	--	44.0	43.4
May 23	1500	41°17.9'	69°11.8'	--	81	92	--	49.6	49.2
May 23	1600	41°18.4'	68°56.4'	--	83	94	--	50.0	49.5
May 23	1700	41°20.2'	68°42.1'	--	84	96	32.38	49.3	48.9
May 23	1800	41°22.7'	68°28.4'	11	86 loading 5	97 loading 5	--	45.7	44.9
May 23	2000	41°24.5'	68°14.4'	--	2	2	32.84	47.3	47.2
May 23	2100	41° 27'	68° 02'	--	4	4	.--	48.3	48.3
May 23	2200	41°30'	67° 49'	--	6	6	32.94	47.9	47.7
May 23	2300	41°32.4'	67° 34'	--	8	8	--	47.6	47.5
May 23	2400	41°33.4'	67°20.7'	--	9	10	32.92	47.2	47.1
May 24	0100	41°33.1'	67°04.2'	--	12	12	--	46.8	46.8
May 24	0200	41°32.8'	66°48.1'	--	14	15	32.80	45.3	45.3
May 24	0300	41°32.1'	66°34.8'	--	15	16	--	45.2	45.0
May 24	0500	41°30.3'	66°18.3'	--	18	19	32.80	44.7	44.2
May 24	0600	41°27.4'	66°03.2'	--	20	21	--	44.6	44.5
May 24	0700	41°22.8'	65°53.7'	--	22	23	31.93	44.5	44.4
May 24	0800	41° 15'	66° 00'	--	24	25	--	46.5	46.2
May 24	0900	41°07.3'	66°07.1'	--	25	26	35.44	66.9	67.1
May 24	1000	41°01.5'	66°14.7'	--	27	28	--	64.8	64.9
May 24	1100	41°01.2'	66°25.5'	--	28	30	33.05	53.8	59.4
May 24	1200	41°02.2'	66°38.5'	12	31	31	--	48.2	47.4
May 24	1400	41°03.7'	66°57.8'	--	33	37	32.64	47.9	47.9
May 24	1500	41°02.8'	67° 10'	--	35	39	--	48.1	47.7
May 24	1605	41°01.2'	67°22.8'	--	37	41	32.69	46.5	46.4
May 24	1700	40°59.7'	67°33.4'	--	38	42	--	45.4	45.0
May 24	1800	40° 58'	67°47.2'	--	40	44	32.66	46.6	46.4
May 24	1900	40°56.8'	67°59.8'	--	42	46	--	46.7	46.7
May 24	2000	40°57.6'	68°14.8'	--	44	48	32.56	46.1	45.9
May 24	2100	40°58.9'	68°39.5'	--	48	51	--	46.6	46.6
May 24	2300	40°59.8'	68°56.2'	--	50	53	32.67	45.5	45.4
May 25	0005	41°01.3'	69°09.3'	--	52	56	--	44.8	44.9
May 25	0105	40°52.9'	69°07'	--	54	57	32.23	45.2	44.9
May 25	0200	40°45.2'	69°05.2'	--	55	59	--	44.8	44.8
May 25	0300	40°36.2'	69°04.2'	--	57	60	32.15	46.5	46.0
May 25	0400	40°29.2'	68° 58'	--	58	62	--	49.3	48.8
May 25	0505	40°27.5'	68°43.6'	--	60	64	32.39	48.8	46.3
May 25	0605	40°27.7'	68°29.8'	13	62	67	--	48.6	48.5

Table 5. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze section *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
							‰	°F.	°F.
May 25	0800	40°27.5'	68°10.8'	--	67	69	32.53	48.3	48.3
May 25	0900	40°28.4'	67°58.1'	--	69	71	--	48.9	46.8
May 25	1000	40°29.8'	67°44.2'	--	71	73	32.70	48.9	46.3
May 25	1100	40°30.5'	67°30.8'	--	72	75	--	55.3	56.6
May 25	1200	40°31.3'	67°17.7'	--	75	77	33.99	56.4	55.9
May 25	1300	40°31.3'	67°02.6'	--	77	79	--	57.5	63.5
May 25	1400	40° 31'	66°48.6'	--	79	81	35.47	64.7	64.5
May 25	1500	40°31.2'	66° 35'	--	80	83	--	59.7	60.2
May 25	1605	40°26.4'	66°36.2'	--	82	85	34.23	59.1	58.0
May 25	1700	40°19.8'	66°43.4'	--	84	87	--	64.7	64.6
May 25	1800	40°11.9'	66°51.9'	--	85	89	35.43	65.3	65.2
May 25	1900	40°04.3'	66°58.8'	--	87	90	--	64.9	64.6
May 25	2000	39° 57'	67°07.3'	--	89	92	35.35	64.9	64.5
May 25	2100	39°50.4'	67° 15'	--	91	94	35.55	65.8	65.4
May 25	2200	39°58.7'	67° 22'	--	93	96	--	57.4	63.7
May 25	2300	40°08.3'	67°28.9'	--	95	98	33.12	54.5	54.1
					loading 6				
May 26	0010	40°17.9'	67°35.8'	14	1	--	--	52.2	52.4
May 26	0200	40°30.5'	67°41.1'	--	3	--	33.11	53.0	52.0
May 26	0310	40°40.3'	67° 47'	--	5	--	--	48.9	48.5
May 26	0400	40°48.8'	67°51.5'	--	7	--	32.69	46.9	46.0
May 26	0500	40°56.7'	67° 56'	--	8	--	--	45.9	45.8
May 26	0600	40°50.6'	68°01.7'	--	10	--	32.67	44.4	44.3
May 26	0705	40° 39'	68°05.1'	--	12	--	--	49.3	49.1
May 26	0800	40°27.7'	68°08.4'	--	14	--	32.75	49.9	50.0
May 26	0900	40°18.4'	68°13.2'	--	16	--	--	49.7	50.7
May 26	1000	40° 07'	68° 18'	--	18	--	32.52	51.3	51.4
May 26	1100	39°57.6'	68° 23'	--	20	--	--	53.4	53.0
May 26	1200	39°48.2'	68°27.3'	--	21	--	33.21	56.1	55.7
May 26	1300	39°52.7'	68° 32'	--	23	--	--	58.5	56.4
May 26	1400	40°02.3'	68°35.8'	--	25	--	32.41	52.5	53.3
May 26	1500	40°11.5'	68°40.5'	--	26	--	--	51.1	48.4
May 26	1610	40° 24'	68°46.7'	15	28	--	32.40	50.1	45.5
May 26	1900	40°36.4'	68°51.1'	--	33	--	--	46.7	43.6
May 26	2000	40°45.4'	68°55.5'	--	35	--	32.61	45.3	45.1
May 26	2100	40°54.7'	69°00.3'	--	37	--	--	45.2	45.2
May 26	2200	40°50.9'	69°03.8'	--	38	--	32.45	45.6	45.4
May 26	2300	40°40.5'	69°08.8'	--	40	--	--	45.7	45.0
May 26	2400	40°30.3'	69°12.6'	--	42	--	32.35	47.0	46.3
May 27	0100	40°20.5'	69° 16'	--	44	--	--	50.7	50.7
May 27	0200	40°10.3'	69°20.2'	--	45	--	32.27	51.6	51.5
May 27	0300	40°00.9'	69° 25'	--	47	--	--	51.2	47.9
May 27	0405	39°49.3'	69°29.2'	--	50	--	32.55	52.4	52.0
May 27	0500	39°49.5'	69°32.5'	--	51	--	--	52.2	51.8
May 27	0600	39°58.5'	69°38.8'	--	53	--	32.11	52.1	52.5
May 27	0700	40°08.4'	69°45.2'	--	55	--	--	52.7	52.1
May 27	0800	40°18.5'	69°51.7'	--	57	--	32.32	52.3	52.7
May 27	0900	40°28.9'	69°56.3'	--	59	--	--	51.5	51.6
May 27	1000	40°38.5'	70°02.8'	--	61	--	32.41	49.3	48.9
May 27	1100	40°36.2'	70°09.9'	--	63	--	--	50.3	50.2
May 27	1200	40°26.5'	70°14.8'	16	64	--	32.58	52.4	52.2

Table 5. --Date, time, and position for temperature and salinity records in relation to 1-meter tows and Hardy Plankton Recorder gauze sections *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Date	Time	Latitude N.	Longitude W.	1-meter tow	Surface gauze section	10-meter gauze section	Surface		10-meter temperature
							Salinity	Temperature	
						loading 6	‰	°F.	°F.
May 27	1500	40°11.7'	70°22.2'	--	68	3	--	52.9	51.4
May 27	1600	40° 02'	70° 27'	--	70	5	32.90	57.1	54.9
May 27	1700	39°51.2'	70°32.2'	--	73	8	--	58.0	57.7
May 27	1805	39°57.9'	70° 40'	--	75	10	32.43	53.9	53.1
May 27	1900	40°05.7'	70°45.5'	--	77	12	--	52.8	52.7
May 27	2000	40°14.8'	70°53.3'	--	78	14	32.36	52.8	52.4
May 27	2100	40°23.8'	71°01.9'	--	81	16	--	52.4	52.3
May 27	2200	40°32.7'	71°09.6'	--	83	17	32.50	52.8	52.8
May 27	2300	40°40.7'	71°17.2'	--	85	20	--	54.8	50.9
					loading 7	loading 7			
May 27	2400	40°32.3'	71°24.3'	17	1	25	32.48	53.5	53.1
May 28	0200	40°22.5'	71°36.5'	--	3	28	--	55.9	56.0
May 28	0300	40°15.3'	71° 45'	--	5	30	31.61	55.0	54.0
May 28	0400	40°07.5'	71° 53'	--	7	31	--	54.6	54.6
May 28	0505	40°09.1'	71°56.8'	--	9	34	31.45	54.6	54.5
May 28	0600	40°18.8'	71°56.5'	--	11	36	--	56.1	56.0
May 28	0700	40°28.1'	71°56.8'	--	13	38	31.15	55.8	55.8
May 28	0800	40°37.8'	71°57.3'	--	15	39	--	56.0	52.6
May 28	0900	40°49.2'	71°58.4'	--	17	42	32.09	55.2	53.8
May 28	1000	40°55.2'	71°47.3'	--	19	44	--	55.3	55.0
May 28	1100	41° 01'	71°36.2'	--	21	46	32.00	55.6	54.5
May 28	1200	41°07.2'	71° 26'	--	23	48	--	55.5	53.3
May 28	1300	41°13.1'	71°14.5'	--	25	50	32.26	56.2	53.2
May 28	1400	41°17.4'	71° 00'	18	27	52	--	53.9	53.5

Table 6.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 57, February 21 to March 2, 1955

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							mm.	*mm.*
1	Feb. 22	0630	-	-	-	-	-	-
2	Feb. 22	1830	H-C	6	V	-	1.53	1.50-1.58
			A	2	V	-	2.20	2.16-2.24
			*H	-	-	6	4.05	3.74-4.31
			*C	-	-	2	4.10	3.83-4.36
			*A	-	-	14	5.14	4.80-5.80
3	Feb. 23	0430	H-C	166	V	-	1.54	1.41-1.72
			*H	-	-	90	4.08	3.43-4.53
			*C	-	-	44	4.49	3.92-5.06
4	Feb. 23	0645	*H	-	-	1	Unmeasurable	-
5	Feb. 24	1630	*H	-	-	2	2.66	2.60-2.73
			*C	-	-	1	4.27	-
			*A	-	-	7	5.29	4.80-5.63
6	Feb. 25	0630	--	-	-	-	-	-
7	Feb. 25	0230	-	-	-	-	-	-
8	Feb. 26	1430	H-C	91	V	-	1.52	1.14-1.67
			A	1	IV	-	2.42	-
			*H	-	-	81	4.01	3.43-4.62
			*C	-	-	5	4.54	3.96-4.93
9	Feb. 27	0630	H-C	2	V	-	1.34	1.10-1.58
			A	1	V	-	2.77	-
			*H	-	-	2	4.22	4.00-4.44
			*C	-	-	2	3.58	3.43-3.74
10	Feb. 27	1830	H-C	-	I	140	1.57	1.36-1.80
			*H	-	-	93	3.75	3.21-4.36
			*C	-	-	2	3.96	3.61-4.31
			H	-	-	2	5.10	4.00-5.20
			P	-	-	22	5.80	4.00-8.00
			E	-	-	10	57.50	55.50-62.50
			WO	-	-	1	23.00	-
11	Feb. 28	0620	H-C	66	V	-	1.55	1.41-1.72
			A	12	V	-	2.36	2.11-2.55
			*H	-	-	88	4.10	3.52-4.84
			*C	-	-	10	4.52	4.18-5.10
			*A	-	-	13	5.22	4.14-5.68
12	Feb. 28	1830	--	-	-	-	-	-
			*H	-	-	6	4.30	3.87-4.53
			*A	-	-	1	5.24	-
13	Mar. 1	0630	-	-	-	-	-	-
14	Mar. 1	1830	-	-	-	-	-	-

*Hatched aboard ship.

Table 7.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 58, March 19 to April 1, 1955

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							mm.	*mm.*
1	Mar. 20	0035	H-C	9	VI	-	1.49	1.36-1.58
			A	1	VI	-	2.11	-
			G[1]	45	III	-	1.75	1.63-2.16
			*H	-	-	26	4.17	3.34-4.58
			*A	-	-	7	5.37	4.80-5.76
			*G	-	-	7	4.34	3.87-4.80
			H	-	-	3	5.58	4.75-6.00
			C	-	-	1	5.00	-
			CE	-	-	1	63.0	-
			AM	-	-	1	31.0	-
2	Mar. 20	1815	H-C	31	V	-	1.41	1.28-1.54
			A	4	II	-	2.21	2.11-2.24
			*H	-	-	47	4.20	3.52-4.75
			*C	-	-	21	4.59	3.96-5.28
			*A	-	-	4	5.17	4.71-5.54
			H	-	-	1	4.20	-
			P	-	-	12	19.0	16.0 -24.0
			HE	-	-	14	34.6	26.0 -44.0
			AM	-	-	12	25.2	13.0 -35.0
3	Mar. 21	0615	C	1	VI	-	1.67	-
			*H	-	-	2	4.49	4.27-4.71
			*C	-	-	11	4.65	4.05-5.06
			*A	-	-	1	5.76	-
4	Mar. 21	1730	W	-	-	2	20.0	-
			RO	-	-	1	21.0	-
			P	-	-	31	21.4	13.0-28.0
5	Mar. 23	1330	*H	-	-	6	4.15	3.74-4.66
			*A	-	-	1	5.28	-
			W	-	-	2	23.5	22.0 -25.0
			AM	-	-	1	21.0	-
			P	-	-	1	18.5	-
6	Mar. 24	1320	H-C	16	I	-	1.50	1.41-1.63
			A	3	I	-	2.32	2.20-2.42
			*A	-	-	7	5.18	4.84-5.76
			AM	-	-	1	29.0	-
7	Mar. 25	0030	*H	-	-	3	4.09	3.70-4.40
			HE	-	-	31	37.2	31.0 -47.0
			E	-	-	1	57.0	-
			P	-	-	7	20.6	15.0 -27.0
8	Mar. 25	1815	W	-	-	2	21.0	20.0 -22.0
			HE	-	-	1	36.0	-
			AM	-	-	1	19.0	-
9	Mar. 26	0635	AM	-	-	2	17.0	16.0 -18.0
10	Mar. 29	1915	H-C	76	V	-	1.45	1.32-1.58
			Y	1	V	-	0.88	-
			*H	-	-	146	3.96	3.34-4.66

See footnotes at end of table.

Table 7.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							mm.	*mm.*
10--			*C	-	-	24	4.32	3.65-4.62
Cont.			*Y	-	-	5	2.55	2.51-2.60
			AM	-	-	1	25.0	-
			U	-	-	1	12.0	-
11	Mar. 30	0640	*H	-	-	1	3.96	-
			*A	-	-	15	4.90	3.96-5.72
12	Mar. 30	1530	H-C	56	V	-	1.44	1.32-1.58
			*H	-	-	36	3.89	3.17-4.40
			*C	-	-	42	4.18	3.39-4.80
			*A	-	-	2	5.28	5.06-5.50
			R	-	-	1	8.5	-
13	Mar. 31	0250	H-C	56	V	-	1.46	1.32-1.58
			A	1	III	-	2.20	-
			Y	4	V	-	0.86	0.84-0.88
			*H	-	-	101	3.92	3.08-4.49
			*C	-	-	42	4.16	3.08-4.75
			*Y	-	-	2	3.12	2.99-3.25
			*A	-	-	2	5.22	4.93-5.50
			HE	-	-	15	39.1	33.0 -45.0
			AM	-	-	1	24.0	-
			P	-	-	1	28.0	-
14	Mar. 31	1500	H-C	308	V	-	1.44	1.28-1.63
			A	42	-	-	2.26	1.89-2.55
			*H	-	-	325	3.80	3.08-4.62
			*C	-	-	73	4.21	3.39-4.97
			*A	-	-	30	5.11	4.49-6.25
			*Y	-	-	1	3.12	-
			P	-	-	5	23.6	17.0 -31.0
			AM	-	-	11	23.6	12.0 -36.0
			HE	-	-	1	36.0	-
			C	-	-	1	4.00	-
15	Apr. 1	1310	H-C	5	II	-	1.29	1.28-1.32
			Y	8	V	-	0.87	0.79-0.92
			*H	-	-	6	4.03	3.78-4.27
			*C	-	-	7	4.13	3.96-4.71
			*A	-	-	1	4.27	-
			*Y	-	-	16	2.70	2.38-2.99

[1]Measured after being taken from gelatinous mass.
*Hatched aboard ship.

Table 8.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 60, April 19 to May 2, 1955

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							in mm.	*in mm.*
1	Apr. 20	0630	CU	2	III	-	1.38	1.36-1.41
			*CU	-	-	6	3.70	3.26-4.44
			WH	-	-	2	41.5	40.0 -43.0
			HE	-	-	1	24.0	-
2	Apr. 20	1815	H-C	17	V	-	1.46	1.32-1.67
			*H	-	-	31	4.11	3.52-4.62
3	Apr. 21	0615	P	-	-	6	20.7	12.0 -37.0
4	Apr. 21	2245	P	-	-	12	27.8	22.0 -35.0
			W	-	-	19	26.4	20.0 -40.0
			HE	-	-	125	37.5	29.0 -50.0
5	Apr. 22	1545	H-C	6	III	-	1.54	1.36-1.63
			A	3	V	-	2.32	2.20-2.51
			*H	-	-	7	4.12	3.08-4.58
			*A	-	-	12	5.27	4.93-5.63
			W	-	-	4	28.0	20.0 -48.0
			HE	-	-	2	36.5	35.0 -38.0
			AM	-	-	5	15.0	12.0 -16.0
			P	-	-	2	21.5	20.0 -23.0
6	Apr. 23	0945	H-C	110	V	-	1.47	1.28-1.58
			A	7	IV	-	2.20	1.50-2.46
			*H	-	-	41	4.11	3.17-4.97
			*C	-	-	16	4.43	3.30-5.02
			*A	-	-	6	5.28	4.66-5.98
			P	-	-	1	27.0	-
7	Apr. 24	0030	*H	-	-	2	3.87	3.56-4.18
			*CU	-	-	2	4.29	4.22-4.36
			*RO	-	-	6	2.08	1.94-2.20
			HE	-	-	39	39.8	35.0 -45.0
			AM	-	-	1	35.0	-
8	Apr. 27	1605	H-C	7	V	-	1.43	1.32-1.54
			A	6	V	-	2.08	1.76-2.24
			Y	1	V	-	0.84	-
			*H	-	-	18	4.51	3.83-4.93
			*C	-	-	7	4.53	4.09-5.10
			*A	-	-	8	5.53	5.19-5.90
			W	-	-	2	24.0	23.0 -25.0
			P	-	-	2	25.0	22.0 -28.0
			AM	-	-	3	17.3	16.0 -19.0
9	Apr. 28	1235	H-C	13	V	-	1.47	1.36-1.58
			CU	13	V	-	1.34	1.23-1.41
			*H	-	-	15	3.94	3.61-4.31
			*CU	-	-	7	4.00	3.61-4.36
10	Apr. 28	2335	*H	-	-	2	4.05	3.52-4.58
11	Apr. 29	1830	*Y	-	-	7	2.62	2.29-3.04
			*A	-	-	1	4.40	-
			P	-	-	1	18.0	-

See footnote at end of table.

Table 8.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							in mm.	*in mm.*
12	May 1	0755	H-C	3	V	-	1.38	1.28-1.45
			CU	9	V	-	1.32	1.28-1.41
			*H	-	-	3	3.46	3.08-3.92
			*CU	-	-	23	3.89	2.99-4.27
			P	-	-	2	21.0	18.0 -24.0
13	May 2	0600	H-C	50	V	-	1.37	1.23-1.45
			A	2	V	-	1.98	1.85-2.11
			Y	3	V	-	0.85	0.79-0.88
			CU	1	V	-	1.36	-
			*H	-	-	90	4.08	3.08-4.75
			*C	-	-	13	4.49	3.87-5.10
			*A	-	-	8	5.49	4.97-5.90
			*Y	-	-	8	2.87	2.46-3.43
			H	-	-	1	16.0	-
			AM	-	-	5	30.8	25.0 -40.0
14	May 2	2100	-	-	-	-	-.	-
15	May 3	1015	H	-	-	1	3.65	-
			Y	-	-	3	2.66	2.51-2.82
			RO	-	-	1	1.98	-
			WE	-	-	2	2.97	2.86-3.08

*Hatched aboard ship.

Table 9.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 61, May 16-28, 1955

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							in mm.	*in mm.*
1	May 17	0015	*WF	-	-	5	4.88	4.57-5.41
			A	-	-	3	7.00	7.00-7.00
			H	-	-	3	3.83	3.50-4.00
			WH	-	-	2	30.0	28.0 -32.0
2	May 17	1830	*H	-	-	3	4.06	3.87-4.27
			*C	-	-	1	4.31	-
			*Y	-	-	6	2.78	2.42-3.08
			*RO	-	-	1	2.29	-
			P	-	-	3	23.3	22.0 -24.0
			H	-	-	1	9.0	-
3	May 18	1220	H-C	10	V	-	1.39	1.36-1.45
			CU	6	V	-	1.29	1.23-1.36
			RO	2	V	-	0.84	0.84-0.84
			WF	3	V	-	1.32	1.32-1.32
			*H	-	-	22	4.09	3.65-4.40
			*CU	-	-	12	4.18	3.87-4.62
			*WF	-	-	12	4.74	4.36-5.15
			*RO	-	-	6	2.06	1.89-2.16
			*Y	-	-	1	2.42	-
			SY	-	-	24	12.2	11.0 -14.0
4	May 19	0615	H-C	1	V	-	1.36	-
			CU	3	V	-	1.25	1.19-1.28
			*H	-	-	6	4.04	3.56-4.40
			*C	-	-	3	4.12	4.00-4.28
			*CU	-	-	4	4.14	3.83-4.36
			WH	-	-	1	47.0	-
5	May 19	1830	P	-	-	1	19.0	-
6	May 20	1215	RO	25	II	-	0.82	0.79-0.88
			*RO	-	-	4	1.82	1.76-1.94
7	May 21	0615	H-C	2	V	-	1.36	1.32-1.41
			*H	-	-	1	3.65	-
			CU	-	-	1	3.95	-
			RO	-	-	1	2.07	-
8	May 21	1815	CU	39	V	-	1.27	1.18-1.36
			*CU	-	-	6	3.80	3.56-4.18
			AM	-	-	1	22.0	-
9	May 22	1210	-	-	-	-	-	-
10	May 23	0015	M	2	IV	-	1.30	1.28-1.32
			*RO	-	-	4	2.04	1.80-2.29
			*M	-	-	1	3.78	-
			P	-	-	5	31.4	28.0 -35.0
			WH	-	-	1	40.0	-
			SC	-	-	1	15.0	-
			H	-	-	1	5.00	-
			R	-	-	2	6.50	6.00-7.00
			AM	-	-	50	21.8	12.0 -43.0
			SY	-	-	1	12.0	-

See footnote at end of table.

Table 9.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							in mm.	*in mm.*
11	May 23	1820	H-C	1	III	-	1.41	-
			Y	4	V	-	0.89	0.84-1.01
			RO	2	IV	-	0.82	0.79-0.84
			WF	1	III	-	1.19	-
			*H	-	-	1	4.18	-
			*CU	-	-	1	4.14	-
			*Y	-	-	9	2.88	2.55-3.21
			*RO	-	-	10	1.96	1.89-2.16
			*WF	-	-	1	4.97	-
			H	-	-	1	22.0	-
			WH	-	-	1	36.0	-
			P	-	-	3	20.0	13.0 -25.0
12	May 24	1215	Y	20	V	-	0.85	0.79-0.88
			CU	6	VI	-	1.24	1.19-1.28
			H-C	1	IV	-	1.32	-
			*Y	-	-	69	2.71	2.11-3.12
			*CU	-	-	11	3.93	3.52-4.40
13	May 25	1615	*WF	-	-	10	4.61	4.05-5.15
			*Y	-	-	1	2.99	-
			H	-	-	4	9.62	7.00-16.0
			A	-	-	3	19.3	17.0 -20.0
14	May 26	0020	SH	47	V	-	91.0	84.0 -97.0
			*SH	-	-	38	3.20	2.73-3.52
			*WF	-	-	1	5.50	-
			R	-	-	1	10.0	-
			WH	-	-	6	34.8	30.0 -44.0
15	May 26	1630	WF	13	II	-	1.24	1.14-1.32
			Y	18	V	-	0.84	0.79-0.88
			*WF	-	-	10	4.64	4.09-5.15
			*Y	-	-	30	3.13	2.38-3.52
			*CU	-	-	2	4.24	3.39-4.18
			*RH	-	-	1	2.07	-
16	May 27	1215	WF	3	V	-	1.25	1.19-1.32
			RO	2	V	-	0.86	0.79-0.92
			RH	1	V	-	0.70	-
			*WF	-	-	9	4.17	3.52-4.80
			*RO	-	-	9	1.93	1.76-2.11
			*RH	-	-	1	1.85	-
			H	-	-	1	11.0	-
17	May 28	0015	*RO	-	-	1	1.76	-
			R	-	-	1	9.5	-
			H	-	-	1	25.0	-
			P	-	-	2	25.5	25.0 -26.0
			Y	-	-	66	7.63	4.00-13.0
			RO	-	-	3	17.7	5.00-25.0
			E	-	-	1	53.0	-
			SH	-	-	57	11.4	7.00-16.0
			WH	-	-	22	39.3	29.0 -55.0

See footnote at end of table.

Table 9.--Stages and sizes of fish eggs and larvae taken with 1-meter net on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Tow			Species	Number of eggs	Modal stage	Number of larvae	Average diameter or length	Range
No.	Date	Time						
							in mm.	*in mm.*
18	May 28	1410	M	32	V	-	1.11	1.01-1.23
			RH	6	V	-	0.84	0.75-0.92
			*M	-	-	2	2.70	2.46-2.95
			*RH	-	-	2	2.09	1.98-2.20
			H	-	-	1	11.0	-

*Hatched aboard ship.

Table 10.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 57, February 21 to March 2, 1955

Surface

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	2-28	-	-	-	-	-	-	-	-	-	-	-
	29-30	-	-	-	-	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	LP	1	-	-
	32-49	-	-	-	-	-	-	-	-	-	-	-
	51	H	-	-	1	-	-	-	-	-	-	-
	52	-	-	-	-	-	-	-	HE	1	33	-
	53-58	-	-	-	-	-	-	-	-	-	-	-
	59	H	-	-	-	-	2	-	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-
	61	H	-	-	2	-	-	-	-	-	-	-
	62	H	-	-	-	-	2	-	-	-	-	-
	63	H	-	-	-	-	2	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	64	H	-	-	1	-	-	-	-	-	-	-
	65	H	-	-	1	1	-	-	-	-	-	-
	66-67	-	-	-	-	-	-	-	-	-	-	-
	68	H	-	-	1	-	1	-	-	-	-	-
	69	-	-	-	-	-	-	-	-	-	-	-
	71	H	-	-	1	-	-	-	-	-	-	-
	72-98	-	-	-	-	-	-	-	-	-	-	-
2	1-21	-	-	-	-	-	-	-	-	-	-	-
	23	H	-	-	1	-	-	-	-	-	-	-
	24-26	-	-	-	-	-	-	-	-	-	-	-
	27	H	-	-	-	-	1	-	-	-	-	-
	28-34	-	-	-	-	-	-	-	-	-	-	-
	35	H	-	-	1	-	-	-	-	-	-	-
	36	H	-	-	1	-	-	-	-	-	-	-
	37-43	-	-	-	-	-	-	-	-	-	-	-
	45-63	-	-	-	-	-	-	-	-	-	-	-
	64-96	-	-	-	-	-	-	-	-	-	-	-
	97	H	-	-	1	-	-	-	-	-	-	-
3	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	H	-	-	3	2	-	-	-	-	-	-
	4	H	-	-	1	1	-	-	-	-	-	-
	5	H	-	-	3	-	-	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	6	H	-	1	2	-	-	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	7	H	-	2	4	-	-	1	-	-	-	-
		C	-	-	-	-	2	-	-	-	-	-
	8	H	1	2	4	-	-	-	-	-	-	-
		C	-	-	1	2	1	-	-	-	-	-
	9	H	2	1	1	2	-	-	-	-	-	-
		C	-	1	1	-	1	-	-	-	-	-
	10	H	1	-	-	1	-	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	11	H	-	-	1	-	-	-	-	-	-	-
	12	H	-	-	1	-	-	-	-	-	-	-
	13	H	-	-	1	-	-	-	-	-	-	-
	14	H	-	1	-	-	-	-	-	-	-	-
	15-27	-	-	-	-	-	-	-	-	-	-	-

Table 10.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
3--	32-36	-	-	-	-	-	-	-	-	-	-	-
Cont.	37	C	-	-	-	1	-	-	-	-	-	-
	38-47	-	-	-	-	-	-	-	-	-	-	-
	48	H	-	-	-	-	1	-	-	-	-	-
	49	H	-	1	1	-	-	-	-	-	-	-
	50	-	-	-	-	-	-	-	-	-	-	-
	51	H	-	-	1	-	-	-	-	-	-	-
	52	H	-	1	4	1	1	-	-	-	-	-
	53	H	-	1	7	1	1	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	54	H	-	1	5	1	-	-	-	-	-	-
	55	H	-	1	1	1	-	-	-	-	-	-
	56	H	-	-	1	-	-	-	-	-	-	-
	57	-	-	-	-	-	-	-	-	-	-	-
	58	H	-	-	2	-	-	-	H	1	-	-
	59-62	-	-	-	-	-	-	-	-	-	-	-
	63	-	-	-	-	-	-	-	HE	1	35	-
	64-65	-	-	-	-	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	HE	4	35	-
	67	H	-	-	1	-	-	-	-	-	-	-
	68	H	-	-	1	-	-	-	H	1	37	-
	69	H	-	1	1	-	2	1	H	1	4.53	-
		-	-	-	-	-	-	-	HE	1	35	-
	70	-	-	-	-	-	-	-	-	-	-	-
	71	H	-	-	-	-	3	-	H	2	4.97	4.48-5.46
	73	H	-	-	2	-	-	-	-	-	-	-
	74	-	-	-	-	-	-	-	-	-	-	-
	75	H	-	-	-	-	1	-	-	-	-	-
	76-83	-	-	-	-	-	-	-	-	-	-	-
	84	H	-	-	-	1	2	-	-	-	-	-
	85	H	-	-	1	-	-	-	-	-	-	-
	86	H	-	-	-	-	1	-	-	-	-	-
	87	-	-	-	-	-	-	-	-	-	-	-
	88	H	-	-	-	-	1	-	-	-	-	-
	89	-	-	-	-	-	-	-	-	-	-	-
4	1-3	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	AM	1	9	-
	5-10	-	-	-	-	-	-	-	-	-	-	-
	11	H	-	-	2	-	1	-	-	-	-	-
	12-15	-	-	-	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	HE	1	40	-
	17	-	-	-	-	-	-	-	-	-	-	-
	18	-	-	-	-	-	-	-	U	1	30	-
	19	-	-	-	-	-	-	-	HE	2	-	-
	20-37	-	-	-	-	-	-	-	-	-	-	-
	39-42	-	-	-	-	-	-	-	-	-	-	-
	43	H	-	-	1	1	2	-	-	-	-	-
	44	H	-	-	1	-	1	-	H	1	5.50	-
		A	-	-	-	-	-	1	-	-	-	-
	45	H	-	-	1	-	-	-	-	-	-	-

Table 10.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
4--Cont.	46	H	-	-	3	-	1	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	47	H	-	-	1	-	-	-	-	-	-	-
	48	H	-	-	1	-	1	-	-	-	-	-
	49	H	-	-	1	-	-	-	-	-	-	-
	50	H	-	-	4	1	-	-	-	-	-	-
	51	H	-	-	4	1	1	1	-	-	-	-
	52	H	1	-	2	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	-	-	-	-
	54	H	-	-	2	-	-	-	-	-	-	-
	55-68	-	-	-	-	-	-	-	-	-	-	-
						10 Meters						
1	2-21	-	-	-	-	-	-	-	-	-	-	-
	27-42	-	-	-	-	-	-	-	-	-	-	-
	48-56	-	-	-	-	-	-	-	-	-	-	-
	57	H	-	-	-	-	1	-	-	-	-	-
	58	H	-	-	1	1	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	59	H	-	1	2	-	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	60	-	-	-	1	-	1	-	-	-	-	-
	61-63	-	-	-	-	-	-	-	-	-	-	-
	70-72	-	-	-	-	-	-	-	-	-	-	-
	73	H	-	-	1	-	-	-	-	-	-	-
	74	H	-	-	1	-	-	-	-	-	-	-
	75-91	-	-	-	-	-	-	-	-	-	-	-
2		Recorder lost on Browns Bank II/26/55										
3	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	H	-	-	1	-	-	-	-	-	-	-
	4	H	-	-	-	1	-	-	-	-	-	-
	5	H	-	-	2	-	-	-	-	-	-	-
	6	H	-	-	1	1	-	-	-	-	-	-
	7	H	-	-	1	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	C-H	1	5.2	-
	9-17	-	-	-	-	-	-	-	-	-	-	-
	21-29	-	-	-	-	-	-	-	-	-	-	-
	30	H	-	-	1	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	-	-	-	-
	32	H	-	-	1	-	-	1	-	-	-	-
	35	H	-	-	-	1	-	-	-	-	-	-
	36	H	-	-	1	-	-	-	-	-	-	-
	37-42	-	-	-	-	-	-	-	-	-	-	-
	43	-	-	-	-	-	-	-	HE	1	40	-
		-	-	-	-	-	-	-	AM	1	14	-
	44	-	-	-	-	-	-	-	-	-	-	-
	45	H	-	-	-	1	-	1	-	-	-	-

Table 10.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 57, February 21 to March 2, 1955--Continued

10 Meters--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
3--	46	H	-	-	1	-	-	-	-	-	-	-
Cont.	48	H	-	-	1	1	-	-	-	-	-	-
		A	-	-	-	-	1	-	-	-	-	-
	49-58	-	-	-	-	-	-	-	-	-	-	-
	59	H	-	-	-	-	-	1	-	-	-	-
	60	-	-	-	-	-	-	-	-	-	-	-
	62-65	-	-	-	-	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	HE	1	31	-
	67-68	-	-	-	-	-	-	-	-	-	-	-
	69	-	-	-	-	-	-	-	HE	1	37	-
	70	-	-	-	-	-	-	-	R	1	6.1	-
	71	-	-	-	-	-	-	-	U	1	20	-
	72-87	-	-	-	-	-	-	-	-	-	-	-
4	1-20	-	-	-	-	-	-	-	-	-	-	-

Table 11.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 58, March 19 to April 1, 1955

Surface

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	1-24	-	-	-	-	-	-	-	-	-	-	-
	27-51	-	-	-	-	-	-	-	-	-	-	-
	52	H	-	-	1	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	-	-	-	-
	54	H	-	-	-	-	1	-	-	-	-	-
	55	-	-	-	-	-	-	-	-	-	-	-
	57	-	-	-	-	-	-	-	HE	1	47	-
	58	H	-	-	2	-	1	-	HE	1	42	-
		C	-	-	-	-	1	-	-	-	-	-
	59	H	-	-	-	-	1	-	-	-	-	-
	60	H	-	1	2	-	1	-	U	1	-	-
		C	-	-	-	-	1	-	-	-	-	-
	61	H	-	-	2	-	-	-	AM	1	42	-
	62	H	-	-	6	-	-	-	-	-	-	-
		C	-	-	-	-	2	-	-	-	-	-
	63	H	-	-	3	-	1	-	-	-	-	-
		C	-	-	-	1	1	-	-	-	-	-
	64	H	-	1	3	-	2	-	-	-	-	-
		C	-	-	2	-	1	-	-	-	-	-
	65	H	-	-	1	1	-	-	-	-	-	-
	66	H	-	1	3	-	-	-	-	-	-	-
	67-71	-	-	-	-	-	-	-	-	-	-	-
	72	H	-	-	2	-	-	-	-	-	-	-
	73-76	-	-	-	-	-	-	-	-	-	-	-
	77-89	-	-	-	-	-	-	-	-	-	-	-
	90	-	-	-	-	-	-	-	W	1	26	-
	91-92	-	-	-	-	-	-	-	-	-	-	-
2	1-21	-	-	-	-	-	-	-	-	-	-	-
	22	H	-	-	1	-	-	-	-	-	-	-
	23-25	-	-	-	-	-	-	-	-	-	-	-
	26	H	-	-	1	-	-	-	-	-	-	-
	27-29	-	-	-	-	-	-	-	-	-	-	-
	35-37	-	-	-	-	-	-	-	-	-	-	-
	38	-	-	-	-	-	-	-	U	1	25	-
	39-63	-	-	-	-	-	-	-	-	-	-	-
	64	H	-	-	1	-	-	-	-	-	-	-
	65	H	-	-	1	-	-	-	-	-	-	-
	66	H	-	1	1	-	-	-	-	-	-	-
	67-72	-	-	-	-	-	-	-	-	-	-	-
	73	H	-	-	2	-	-	-	-	-	-	-
	75	-	-	-	-	-	-	-	-	-	-	-
	76	H	-	-	1	-	-	-	-	-	-	-
	77-87	-	-	-	-	-	-	-	-	-	-	-
	88	-	-	-	-	-	-	-	HE	1	40	-
	89	H	-	-	1	-	-	-	-	-	-	-
	90	-	-	-	-	-	-	-	-	-	-	-
	91	H	-	-	1	-	-	-	-	-	-	-
3	1-25	-	-	-	-	-	-	-	-	-	-	-
	26	H	-	-	1	-	-	-	-	-	-	-
	27-28	-	-	-	-	-	-	-	-	-	-	-

Table 11.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
3--	29	H	-	-	-	-	1	-	-	-	-	-
Cont.	30-31	-	-	-	-	-	-	-	-	-	-	-
	32	H	-	-	-	-	1	-	-	-	-	-
	33	H	-	-	-	1	-	-	-	-	-	-
	34	H	-	-	-	-	1	-	-	-	-	-
	35	-	-	-	-	-	-	-	-	-	-	-
	36	H	-	-	-	-	1	1	-	-	-	-
	37-38	-	-	-	-	-	-	-	-	-	-	-
	39	H	-	-	2	2	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-	-
	41	H	-	-	-	1	-	-	-	-	-	-
	42	H	-	-	2	-	-	-	-	-	-	-
	43-45	-	-	-	-	-	-	-	-	-	-	-
	49-51	-	-	-	-	-	-	-	-	-	-	-
	52	-	-	-	-	-	-	-	P	1	14	-
	53	H	-	-	-	1	-	-	-	-	-	-
	54	H	-	-	1	2	1	-	-	-	-	-
	55	H	-	-	1	-	-	-	-	-	-	-
	56	H	-	-	1	1	-	1	-	-	-	-
	57	H	-	-	-	1	1	-	-	-	-	-
	58	H	-	-	1	-	-	-	-	-	-	-
	59	H	-	-	1	-	-	-	-	-	-	-
	60	H	1	-	1	-	1	-	-	-	-	-
	65	H	-	-	1	-	-	-	-	-	-	-
	66-71	-	-	-	-	-	-	-	-	-	-	-
	72	H	-	-	1	-	-	-	-	-	-	-
	73-83	-	-	-	-	-	-	-	-	-	-	-
	84	H	-	-	1	-	-	-	-	-	-	-
	85	H	-	1	1	-	-	-	-	-	-	-
	86	H	-	2	1	-	-	-	-	-	-	-
	87	H	-	-	2	-	-	-	-	-	-	-
	88	H	-	-	4	-	-	-	-	-	-	-
	89	H	-	2	-	-	-	-	-	-	-	-
	90	H	-	1	1	2	-	-	-	-	-	-
	91	H	-	-	2	-	1	-	-	-	-	-
4	1	-	-	-	-	-	-	-	-	-	-	-
	2	H	-	-	1	-	-	-	-	-	-	-
	3-4	-	-	-	-	-	-	-	-	-	-	-
	5	H	-	-	1	-	-	-	-	-	-	-
	6	H	-	-	1	1	1	-	HE	2	32	30-35
	7	H	-	-	2	2	1	-	-	-	-	-
	8	H	-	-	1	-	-	-	-	-	-	-
	9-11	-	-	-	-	-	-	-	-	-	-	-
	12	H	-	-	1	-	-	-	-	-	-	-
	13	H	-	-	2	-	-	-	-	-	-	-
	14	H	-	-	1	-	-	-	-	-	-	-
	15	H	-	-	1	-	-	-	-	-	-	-
	16-22	-	-	-	-	-	-	-	-	-	-	-
	23	H	-	-	2	-	-	-	-	-	-	-
	24	H	-	-	2	-	-	-	-	-	-	-
	25-29	-	-	-	-	-	-	-	-	-	-	-

Table 11.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
4--	30	H	-	1	-	-	-	-	-	-	-	-
Cont.	31	-	-	-	-	-	-	-	-	-	-	-
	32	H	-	-	1	2	-	-	-	-	-	-
	33	H	-	-	3	-	-	-	-	-	-	-
	34	-	-	-	-	-	-	-	-	-	-	-
	35	H	-	-	-	1	-	-	-	-	-	-
	36	H	-	-	3	-	-	-	-	-	-	-
		C	-	-	3	1	-	-	-	-	-	-
	38	H	-	-	-	2	-	-	-	-	-	-
		C	-	-	-	2	-	-	-	-	-	-
	39	H	-	-	3	-	-	-	H	1	4.5	-
	40	H	-	-	2	-	1	-	-	-	-	-
		C	-	-	-	1	1	-	-	-	-	-
	41	H	-	-	3	-	1	1	H	1	3.7	-
		C	-	-	-	3	1	-	-	-	-	-
	42	H	-	-	-	1	3	2	-	-	-	-
		C	-	-	-	-	2	-	-	-	-	-
	43	H	-	1	2	1	4	4	C	1	3.7	-
		C	-	-	-	1	2	-	U	1	6.0	-
	44	H	-	-	1	3	3	-	-	-	-	-
		C	-	-	2	-	5	-	-	-	-	-
	45	H	-	-	-	-	2	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	46	H	-	-	1	1	-	-	HE	1	43	-
	47	H	-	-	1	2	-	-	HE	1	40	-
		C	-	-	-	-	1	-	-	-	-	-
	48	H	-	-	2	-	1	2	HE	1	38	-
		C	-	-	1	1	-	-	-	-	-	-
	49	H	-	-	2	2	-	-	HE	1	40	-
		C	-	-	-	-	2	-	-	-	-	-
	50	H	-	-	3	-	-	-	U	1	-	-
		C	-	-	1	-	-	-	-	-	-	-
	51	H	-	1	4	1	1	-	-	-	-	-
		C	-	-	1	2	-	-	-	-	-	-
	52	-	-	-	-	-	-	-	-	-	-	-
	53	H	-	-	2	-	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	54	H	-	-	3	-	1	-	H	1	40	-
		C	-	-	-	-	1	-	-	-	-	-
	55	H	-	-	1	1	-	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	56	H	-	-	1	-	-	-	U	1	23	-
	57-64	-	-	-	-	-	-	-	-	-	-	-
	65	H	-	-	-	-	1	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	66	H	-	1	-	-	-	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	67	H	-	-	1	-	1	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	68	H	-	-	-	-	1	2	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	69	H	-	-	-	-	3	1	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-

Table 11.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no 58, March 19 to April 1, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
4--	70	H	-	-	1	-	1	1	-	-	-	-
Cont.		C	-	-	-	-	1	-	-	-	-	-
	71	H	-	-	-	-	3	4	-	-	-	-
		C	-	-	-	-	1	1	-	-	-	-
5	1	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	AM	1	14	-
	3-7	-	-	-	-	-	-	-	-	-	-	-
	8	H	-	-	1	-	-	-	-	-	-	-
	9-15	-	-	-	-	-	-	-	-	-	-	-
	16	H	-	-	-	-	1	-	-	-	-	-
	17	H	-	-	-	-	1	-	HE	1	49	-
	18	H	-	-	-	-	1	-	HE	1	45	-
	19-20	-	-	-	-	-	-	-	-	-	-	-
	21	H	-	-	-	-	1	-	-	-	-	-
	22-23	-	-	-	-	-	-	-	-	-	-	-
	24	-	-	-	-	-	-	-	C	1	4.18	-
	25-26	-	-	-	-	-	-	-	-	-	-	-
	27	-	-	-	-	-	-	-	U	1	-	-
	28-34	-	-	-	-	-	-	-	-	-	-	-

10 Meters

1	1-22	-	-	-	-	-	-	-	-	-	-	-
	25-38	-	-	-	-	-	-	-	-	-	-	-
	39	-	-	-	-	-	-	-	C	1	8	-
	40-46	-	-	-	-	-	-	-	-	-	-	-
	47	-	-	-	-	-	-	-	AM	1	16	-
	48-50	-	-	-	-	-	-	-	-	-	-	-
	61	-	-	-	-	-	-	-	-	-	-	-
	62	-	-	-	-	-	-	-	C	1	8	-
	63	H	-	-	1	-	-	-	-	-	-	-
	64	H	-	-	1	1	-	-	U	1	8	-
	65	H	-	-	2	-	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	66	H	-	-	5	-	-	-	-	-	-	-
		C	-	-	1	-	1	-	-	-	-	-
	67	H	-	-	1	1	-	-	H	1	5.06	-
	68	H	-	-	1	-	-	-	-	-	-	-
	69-74	-	-	-	-	-	-	-	-	-	-	-
	75	H	-	1	1	-	-	-	-	-	-	-
	76-80	-	-	-	-	-	-	-	-	-	-	-
	81-82	-	-	-	-	-	-	-	-	-	-	-
	83	-	-	-	-	-	-	-	WO	1	28	-
	84	-	-	-	-	-	-	-	RE	3	17	16-18
	85-95	-	-	-	-	-	-	-	-	-	-	-
2	1-19	-	-	-	-	-	-	-	-	-	-	-
	20	H	-	-	1	-	-	-	-	-	-	-
	21	H	-	1	-	-	-	-	-	-	-	-
	22-27	-	-	-	-	-	-	-	-	-	-	-
	28	H	-	1	-	-	-	-	U	1	9	-

Table 11.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 58, March 19 to April 1, 1955--Continued

10 Meters--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
2--	29-30	-	-	-	-	-	-	-	-	-	-	-
Cont.	34-40	-	-	-	-	-	-	-	-	-	-	-
	41	H	-	1	-	-	-	-	-	-	-	-
	42-63	-	-	-	-	-	-	-	-	-	-	-
	64	H	-	1	-	-	-	-	-	-	-	-
	65	H	-	1	-	-	-	-	-	-	-	-
	66-72	-	-	-	-	-	-	-	-	-	-	-
	75-83	-	-	-	-	-	-	-	-	-	-	-
	84	H	-	1	1	-	-	-	-	-	-	-
	85-91	-	-	-	-	-	-	-	-	-	-	-
3	1-23	-	-	-	-	-	-	-	-	-	-	-
	25	H	-	-	1	-	-	-	-	-	-	-
	26	H	-	-	1	-	-	-	-	-	-	-
	27-28	-	-	-	-	-	-	-	-	-	-	-
	29	H	-	1	-	-	-	-	-	-	-	-
	30-34	-	-	-	-	-	-	-	-	-	-	-
	35	H	-	-	1	-	-	-	-	-	-	-
	36	H	-	-	1	-	-	-	-	-	-	-
	37-38	-	-	-	-	-	-	-	-	-	-	-
	39	H	-	-	1	-	-	-	-	-	-	-
	40	H	-	-	1	-	-	-	-	-	-	-
	41-45	-	-	-	-	-	-	-	-	-	-	-
	48-51	-	-	-	-	-	-	-	-	-	-	-
	52	H	-	-	1	-	-	-	-	-	-	-
	53	H	-	-	-	-	-	1	-	-	-	-
	54	H	-	-	-	-	-	1	-	-	-	-
	55	H	1	-	-	-	-	-	HE	1	36	-
	56	H	-	1	2	-	-	-	H	1	5.5	-
	-	-	-	-	-	-	-	-	C	1	10	-
	57-58	-	-	-	-	-	-	-	-	-	-	-
	62-80	-	-	-	-	-	-	-	-	-	-	-
	81	H	-	-	1	-	-	-	-	-	-	-
	82	-	-	-	-	-	-	-	H	1	9	-
	83	-	-	-	-	-	-	-	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955

Surface

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	H	1	12	-
	4	-	-	-	-	-	-	-	H	1	-	-
	5-6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	H	1	13	-
	8-9	-	-	-	-	-	-	-	-	-	-	-
	10	H	-	-	-	-	1	-	-	-	-	-
	11-28	-	-	-	-	-	-	-	-	-	-	-
	32-49	-	-	-	-	-	-	-	-	-	-	-
	51-56	-	-	-	-	-	-	-	-	-	-	-
	57	-	-	-	-	-	-	-	H	4	9.1	8.5-10.5
	58-61	-	-	-	-	-	-	-	-	-	-	-
	62	H	-	-	-	-	1	-	-	-	-	-
	63	-	-	-	-	-	-	-	C	1	7.5	-
	64	H	-	1	1	1	-	-	-	-	-	-
	65	H	1	-	-	-	-	-	-	-	-	-
	66	H	1	2	2	-	1	-	-	-	-	-
	67	H	-	-	1	-	-	-	-	-	-	-
	68-70	-	-	-	-	-	-	-	-	-	-	-
	71	H	-	-	1	-	-	-	-	-	-	-
	72	-	-	-	-	-	-	-	-	-	-	-
	73	H	-	1	1	-	-	-	-	-	-	-
	74	H	-	1	1	-	-	-	-	-	-	-
	75	C	-	1	1	-	1	-	-	-	-	-
		H	-	6	3	-	-	-	-	-	-	-
	76	H	-	4	4	-	-	-	-	-	-	-
		C	-	-	2	1	-	-	-	-	-	-
	77	H	-	-	6	3	-	-	-	-	-	-
		C	-	-	1	1	-	-	-	-	-	-
	78	H	-	-	3	-	1	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	79	H	-	-	-	1	-	-	-	-	-	-
	80-81	-	-	-	-	-	-	-	-	-	-	-
	82	H	-	-	1	-	-	-	-	-	-	-
	83	H	-	-	1	-	-	-	-	-	-	-
	84-91	-	-	-	-	-	-	-	-	-	-	-
	92	H	-	-	1	-	-	-	-	-	-	-
	93	H	-	-	1	-	-	-	-	-	-	-
	94-96	-	-	-	-	-	-	-	-	-	-	-
	97	-	-	-	-	-	-	-	H	1	34	-
	98-100+	-	-	-	-	-	-	-	-	-	-	-
2	1-8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	P	1	25	-
	10-11	-	-	-	-	-	-	-	-	-	-	-
	12	-	-	-	-	-	-	-	P	1	20	-
	13-14	-	-	-	-	-	-	-	-	-	-	-
	15	-	-	-	-	-	-	-	P	1	25	-
	16	-	-	-	-	-	-	-	P	2	17	15-20
	17	-	-	-	-	-	-	-	-	-	-	-
	18	-	-	-	-	-	-	-	P	3	18	15-20
	19	-	-	-	-	-	-	-	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
2--	20	-	-	-	-	-	-	-	-	-	-	-
Cont.	21	-	-	-	-	-	-	-	P	1	18	-
	22	-	-	-	-	-	-	-	-	-	-	-
	23	-	-	-	-	-	-	-	U	1	23	-
	24-29	-	-	-	-	-	-	-	-	-	-	-
	30-37	-	-	-	-	-	-	-	-	-	-	-
	38	H	-	2	-	-	-	-	-	-	-	-
	39	H	-	-	1	-	-	-	-	-	-	-
	40	-	-	-	-	-	-	-	-	-	-	-
	41	H	-	-	1	-	-	-	-	-	-	-
	42-44	-	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	HE	1	48	-
	46-49	-	-	-	-	-	-	-	-	-	-	-
	51-55	-	-	-	-	-	-	-	-	-	-	-
	56	H	-	1	1	-	-	-	-	-	-	-
	57	H	-	1	2	-	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
		A	-	1	-	-	-	-	-	-	-	-
	58	H	-	1	-	-	1	-	-	-	-	-
	59	H	-	-	2	-	-	-	-	-	-	-
		C	-	-	-	-	1	-	-	-	-	-
	60	H	-	2	1	-	-	-	-	-	-	-
		C	-	-	1	-	-	-	-	-	-	-
	61	H	-	-	3	-	-	-	-	-	-	-
		C	-	-	-	4	-	-	-	-	-	-
		A	-	1	-	-	-	-	-	-	-	-
	62	H	-	2	5	-	-	-	-	-	-	-
		C	-	-	-	2	1	-	-	-	-	-
	63	H	1	10	6	-	-	-	-	-	-	-
		C	-	-	3	4	-	-	-	-	-	-
	64	H	-	9	3	1	-	-	-	-	-	-
		C	-	-	-	1	1	1	-	-	-	-
	65	H	-	4	6	2	-	-	-	-	-	-
		C	-	2	2	-	1	-	-	-	-	-
	66	H	-	4	5	3	-	-	-	-	-	-
		C	-	-	3	2	-	-	-	-	-	-
	67	H	1	1	7	5	1	-	-	-	-	-
		C	-	1	2	2	-	-	-	-	-	-
	68	H	-	5	5	1	1	-	-	-	-	-
		C	-	1	1	2	-	-	-	-	-	-
	69	H	-	2	5	-	-	-	-	-	-	-
		C	-	1	2	-	-	-	-	-	-	-
	70	H	-	-	2	1	-	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	71	H	-	-	1	-	-	-	-	-	-	-
	72	H	-	1	1	-	-	-	-	-	-	-
	73	-	-	-	-	-	-	-	-	-	-	-
	74	-	-	-	-	-	-	-	U	1	-	-
	75-76	-	-	-	-	-	-	-	-	-	-	-
	77	H	1	1	1	-	-	-	-	-	-	-
	78	H	1	2	5	2	-	-	-	-	-	-
	79	H	1	-	2	-	-	-	-	-	-	-
		CU	1	-	-	-	-	-	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	mm.
2--	80	H	1	-	-	-	-	-	-	-	-	-
Cont.	81-86	-	-	-	-	-	-	-	-	-	-	-
	87	CU	-	-	1	-	-	-	-	-	-	-
3	1-13	-	-	-	-	-	-	-	-	-	-	-
	14	RO	-	1	-	1	-	-	-	-	-	-
	15	-	-	-	-	-	-	-	U	1	15	-
	16-24	-	-	-	-	-	-	-	-	-	-	-
	29	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	AM	1	25	-
	31-36	-	-	-	-	-	-	-	-	-	-	-
	37	-	-	-	-	-	-	-	C	1	6.5	-
	38	-	-	-	-	-	-	-	-	-	-	-
	39	H	-	-	-	-	1	-	-	-	-	-
	40-56	-	-	-	-	-	-	-	-	-	-	-
	57	-	-	-	-	-	-	-	HE	1	40	-
	58-61	-	-	-	-	-	-	-	-	-	-	-
	62	H	-	-	-	-	3	-	-	-	-	-
		Y	-	-	-	1	-	-	-	-	-	-
	63	H	-	-	-	-	2	-	-	-	-	-
	64	H	-	-	-	-	3	-	-	-	-	-
		CU	-	1	-	-	-	-	-	-	-	-
	65	H	-	-	-	1	-	-	-	-	-	-
		CU	-	-	-	-	2	-	-	-	-	-
	66	H	-	-	-	-	1	-	-	-	-	-
		CU	-	1	-	-	-	-	-	-	-	-
	67	-	-	-	-	-	-	-	-	-	-	-
	69	CU	-	2	-	-	-	-	-	-	-	-
	70	H	-	1	-	-	-	-	-	-	-	-
	71	CU	-	1	-	-	-	-	-	-	-	-
		H	-	-	-	-	1	-	-	-	-	-
	72	-	-	-	-	-	-	-	-	-	-	-
	73	H	-	-	1	-	-	-	-	-	-	-
		CU	-	-	2	-	-	-	-	-	-	-
	74	CU	-	-	1	-	-	-	-	-	-	-
		H	-	-	1	-	-	-	-	-	-	-
	75	CU	-	2	-	-	-	-	-	-	-	-
	76	CU	-	-	1	-	-	-	-	-	-	-
	77	H	-	-	1	-	-	-	-	-	-	-
	78-81	-	-	-	-	-	-	-	-	-	-	-
	82	H	-	-	-	-	1	-	-	-	-	-
	83	H	-	-	-	1	-	-	-	-	-	-
	84	CU	-	-	-	1	-	-	-	-	-	-
	85	H	-	-	-	1	-	1	H	1	4.8	-
	86	H	-	-	-	-	1	-	-	-	-	-
	87	-	-	-	-	-	-	-	-	-	-	-
4	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	H	1	4.0	-
	4-10	-	-	-	-	-	-	-	-	-	-	-
	11	Y	-	-	-	-	1	-	-	-	-	-
	12	-	-	-	-	-	-	-	H	1	18	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
4--	13	Y	-	-	1	-	-	-	-	-	-	-
Cont.		H	-	-	-	-	1	-	-	-	-	-
	14	Y	-	-	-	-	-	1	-	-	-	-
	15	H	-	1	-	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	-	-	-	-
	17	-	-	-	-	-	-	-	AM	1	25	-
	18	Y	-	-	-	-	1	-	-	-	-	-
	19	H	-	-	-	1	-	-	-	-	-	-
	20	H	-	1	-	1	-	-	-	-	-	-
	22-43	-	-	-	-	-	-	-	-	-	-	-
	44	H	-	-	-	1	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	-	-	-	-
	46	H	-	-	-	-	1	-	-	-	-	-
	47	-	-	-	-	-	-	-	-	-	-	-
	48	H	-	1	-	-	-	-	-	-	-	-
	49	H	-	-	1	-	1	-	-	-	-	-
	50-51	-	-	-	-	-	-	-	-	-	-	-
	52	H	-	-	1	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	-	-	-	-
	54	H	-	-	1	-	-	-	-	-	-	-
	55	H	1	-	1	-	-	-	-	-	-	-
	56	H	-	1	1	-	-	-	-	-	-	-
	57	H	-	1	-	-	-	-	-	-	-	-
	58	H	-	1	-	-	-	-	-	-	-	-
		CU	-	1	-	-	-	-	-	-	-	-
	59	H	1	4	3	-	-	-	-	-	-	-
		C	-	1	-	-	-	-	-	-	-	-
	60	H	1	4	2	1	-	-	-	-	-	-
		C	-	1	-	-	-	-	-	-	-	-
	61	H	1	6	1	1	-	-	-	-	-	-
		C	-	-	1	1	-	-	-	-	-	-
	62	H	-	5	1	-	-	-	-	-	-	-
		C	-	2	-	-	-	-	-	-	-	-
	63	H	-	3	1	-	-	-	-	-	-	-
		C	-	1	-	-	-	-	-	-	-	-
	64	H	-	-	1	-	-	-	-	-	-	-
	65	H	-	-	1	-	-	-	-	-	-	-
	66	H	-	-	1	1	-	-	-	-	-	-
	67	H	-	-	2	-	-	-	-	-	-	-
	68	H	-	-	2	-	-	-	-	-	-	-
	69	H	-	-	2	1	-	-	-	-	-	-
		C	-	-	-	1	-	-	-	-	-	-
	70	H	-	1	5	1	-	-	-	-	-	-
		C	-	-	2	1	-	-	-	-	-	-
		CU	-	-	2	-	-	-	-	-	-	-
	71	H	-	2	3	-	-	-	-	-	-	-
		C	-	-	1	1	-	-	-	-	-	-
		CU	-	-	2	-	-	-	-	-	-	-
	72	H	-	-	1	-	-	-	-	-	-	-
		CU	-	1	-	-	-	-	-	-	-	-
	73	H	-	-	2	-	-	-	-	-	-	-
	74-78	-	-	-	-	-	-	-	-	-	-	-
	79	H	-	-	-	1	-	-	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
4—											*mm.*	*mm.*
Cont.	80	Y	-	-	1	-	-	-	-	-	-	-
	81	H	-	-	-	1	-	-	-	-	-	-
		CU	-	-	-	1	-	-	-	-	-	-
	82-84	-	-	-	-	-	-	-	-	-	-	-
	85	-	-	-	-	-	-	-	H	1	4.2	-
	86	H	-	-	-	1	1	-	-	-	-	-
	87	H	-	-	-	-	3	-	-	-	-	-
	88	H	-	-	1	1	-	-	-	-	-	-
	89	H	-	1	-	-	-	1	-	-	-	-
5	1	-	-	-	-	-	-	-	H	1	13	-
	2	H	-	-	-	-	1	-	H	1	13	-
	3	Y	-	-	-	1	-	-	-	-	-	-
	4	H	-	-	-	-	1	-	-	-	-	-
	5	H	-	-	-	-	2	-	-	-	-	-
		Y	-	1	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-
	7	Y	-	-	-	-	1	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-	-	-
	9	H	-	-	-	1	-	-	-	-	-	-
	10-14	-	-	-	-	-	-	-	-	-	-	-
	15	CU	-	-	1	-	-	-	-	-	-	-
	16-21	-	-	-	-	-	-	-	-	-	-	-
	22	CU	-	-	1	-	-	-	-	-	-	-
	23-24	-	-	-	-	-	-	-	-	-	-	-
	25-28	-	-	-	-	-	-	-	-	-	-	-
	29	Y	-	1	-	-	-	-	-	-	-	-
	30-31	-	-	-	-	-	-	-	-	-	-	-
	32	CU	-	1	-	-	-	-	-	-	-	-
	33	H	-	-	-	-	-	1	-	-	-	-
	34	H	-	-	-	2	-	-	-	-	-	-
	35	H	-	-	2	-	-	-	-	-	-	-
	36	H	-	-	-	1	1	-	-	-	-	-
	37	H	-	-	-	1	-	-	-	-	-	-
	38	-	-	-	-	-	-	-	-	-	-	-
	39	RO	-	1	-	-	-	-	-	-	-	-
	40-41	-	-	-	-	-	-	-	-	-	-	-
	42	H	-	-	-	2	-	-	-	-	-	-
	43	-	-	-	-	-	-	-	H	1	13	-
	44-47	-	-	-	-	-	-	-	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

10 Meters

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	17-34	-	-	-	-	-	-	-	-	-	-	-
	36-38	-	-	-	-	-	-	-	-	-	-	-
	39	-	-	-	-	-	-	-	A	1	7.5	-
	40-43	-	-	-	-	-	-	-	-	-	-	-
	44	-	-	-	-	-	-	-	H	2	6.5	6.5-6.5
	45	-	-	-	-	-	-	-	C	2	8.5	7-10
		-	-	-	-	-	-	-	U	1	9.0	-
	46	-	-	-	-	-	-	-	H	2	7.5	-
		-	-	-	-	-	-	-	A	1	7.5	-
	47	-	-	-	-	-	-	-	H	2	6.0	5.6-6.3
	48	-	-	-	-	-	-	-	C	1	6.5	-
	49-58	-	-	-	-	-	-	-	-	-	-	-
	60-61	-	-	-	-	-	-	-	-	-	-	-
	62	H	-	-	2	-	-	-	-	-	-	-
	63	H	-	-	2	-	-	-	-	-	-	-
	64	H	-	1	1	-	-	-	-	-	-	-
	65-90	-	-	-	-	-	-	-	-	-	-	-
2	1-28	-	-	-	-	-	-	-	-	-	-	-
	30-35	-	-	-	-	-	-	-	-	-	-	-
	36	H	-	-	1	-	-	-	-	-	-	-
	37-59	-	-	-	-	-	-	-	-	-	-	-
	60	H	1	5	-	1	-	-	-	-	-	-
		C	-	-	1	1	-	-	-	-	-	-
	61	H	-	-	14	-	-	-	-	-	-	-
		C	-	5	-	-	-	-	-	-	-	-
	62-66	-	-	-	-	-	-	-	-	-	-	-
	67	H	-	-	1	-	-	-	-	-	-	-
	68	-	-	-	-	-	-	-	-	-	-	-
	69	H	-	-	1	1	-	-	-	-	-	-
	70-76	-	-	-	-	-	-	-	-	-	-	-
	77	H	-	1	-	-	-	-	-	-	-	-
	78-87	-	-	-	-	-	-	-	-	-	-	-
3	1-7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	AM	1	31	-
	9-23	-	-	-	-	-	-	-	-	-	-	-
	27	-	-	-	-	-	-	-	AM	1	-	-
	28-37	-	-	-	-	-	-	-	-	-	-	-
	38	-	-	-	-	-	-	-	H	1	4.5	-
	39-65	-	-	-	-	-	-	-	-	-	-	-
	66	H	-	-	1	1	-	-	-	-	-	-
	67	H	-	-	-	1	-	-	-	-	-	-
	69	H	-	-	1	1	3	-	-	-	-	-
		CU	-	-	-	1	-	-	-	-	-	-
	70	H	-	-	1	-	-	-	-	-	-	-
		CU	-	-	-	-	-	1	-	-	-	-
	71-77	-	-	-	-	-	-	-	-	-	-	-
	78	Y	-	-	1	-	-	-	-	-	-	-
	79-85	-	-	-	-	-	-	-	-	-	-	-
	86	H	-	-	-	-	-	1	-	-	-	-

Table 12.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 60, April 19 to May 2, 1955--Continued

10 Meters--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
3--											*mm.*	*mm.*
Cont.	87	-	-	-	-	-	-	-	-	-	-	-
4	1-7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	H	1	6.8	-
	-	-	-	-	-	-	-	-	Y	2	2.7	2.7-2.7
	9-21	-	-	-	-	-	-	-	-	-	-	-
	23-57	-	-	-	-	-	-	-	-	-	-	-
	58-70	-	-	-	-	-	-	-	-	-	-	-
	71	-	-	-	-	-	-	-	AM	1	39	-
	72-77	-	-	-	-	-	-	-	-	-	-	-
	78	H	-	-	-	1	-	-	C	1	9	-
	79-88	-	-	-	-	-	-	-	-	-	-	-
	89	Y	-	-	-	1	-	-	-	-	-	-
	90	H	-	-	2	1	-	-	-	-	-	-
	91	-	-	-	-	-	-	-	-	-	-	-
	92	Y	-	-	-	-	1	-	-	-	-	-
	93-94	-	-	-	-	-	-	-	-	-	-	-
	95	C	-	-	-	-	-	1	-	-	-	-
	96	H	-	-	-	1	1	-	C	1	8.4	-
	97	H	-	-	-	-	1	-	H	2	4.9	4.5-5.3
	98	H	-	-	-	1	-	-	SY	1	7.7	-
5	Gear fouled - No samples											

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955

Surface

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	1	M	-	-	3	2	-	-	-	-	-	-
	2	M	-	-	1	1	-	-	-	-	-	-
	3	RH	-	-	1	-	-	-	-	-	-	-
	4	RH	-	-	1	2	-	-	-	-	-	-
	5	RH	-	1	-	-	-	-	-	-	-	-
	6	RH	-	-	-	1	-	-	-	-	-	-
	7-10	-	-	-	-	-	-	-	-	-	-	-
	11	MH	-	-	-	-	5	-	-	-	-	-
	12	MH	-	-	-	-	7	-	-	-	-	-
	13	-	-	-	-	-	-	-	-	-	-	-
	14	Y	-	-	-	-	1	-	-	-	-	-
	15-20	-	-	-	-	-	-	-	-	-	-	-
	30-47	-	-	-	-	-	-	-	-	-	-	-
	48	-	-	-	-	-	-	-	H	1	4.0	-
	49-50	-	-	-	-	-	-	-	-	-	-	-
2	1	-	-	-	-	-	-	-	H	1	3.9	-
	2-3	-	-	-	-	-	-	-	-	-	-	-
	4	H	-	-	1	-	-	-	-	-	-	-
	5-9	-	-	-	-	-	-	-	-	-	-	-
	10	H	-	-	-	-	-	1	-	-	-	-
	11	H	-	-	-	1	1	2	-	-	-	-
	12	H	-	-	1	-	-	-	-	-	-	-
	13	H	-	-	-	-	1	-	-	-	-	-
	14	H	-	-	-	-	1	-	-	-	-	-
	15	H	-	-	1	-	-	-	-	-	-	-
	16	-	-	-	-	-	-	-	HE	1	30.0	-
	17	-	-	-	-	-	-	-	U	-	-	-
	18	H	-	-	1	-	-	-	-	-	-	-
	19	-	-	-	-	-	-	-	-	-	-	-
	20	H	-	-	-	-	1	-	-	-	-	-
	21-31	-	-	-	-	-	-	-	-	-	-	-
	33	H	-	-	-	1	-	-	-	-	-	-
	34	WF	-	-	2	-	-	-	-	-	-	-
	35	H	-	-	-	1	-	-	-	-	-	-
	36-37	-	-	-	-	-	-	-	-	-	-	-
	38	WF	-	-	1	-	-	-	-	-	-	-
	39-42	-	-	-	-	-	-	-	-	-	-	-
	43	H	-	-	-	-	1	-	-	-	-	-
	44	H	-	-	-	-	1	-	C	1	16.5	-
	45	H	-	-	-	-	1	-	-	-	-	-
	46	-	-	-	-	-	-	-	H	1	6.0	-
	47-50	-	-	-	-	-	-	-	-	-	-	-
	51	H	-	-	-	-	-	-	-	-	-	-
	52-57	-	-	-	-	-	-	-	-	-	-	-
	58	H	-	-	-	-	1	-	H	1	3.5	-
	59-61	-	-	-	-	-	-	-	-	-	-	-
	63-66	-	-	-	-	-	-	-	-	-	-	-
	67	H	-	-	-	-	1	-	-	-	-	-
	68	H	-	-	-	1	-	-	-	-	-	-
	69	H	-	-	-	1	-	-	-	-	-	-
	70-75	-	-	-	-	-	-	-	-	-	-	-
	76	-	-	-	-	-	-	-	H	1	15.0	-

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
2--	77	H	-	-	-	1	-	-	-	-	-	-
Cont.	78-82	-	-	-	-	-	-	-	-	-	-	-
3	1-9	-	-	-	-	-	-	-	-	-	-	-
	10	H	-	-	-	-	1	-	-	-	-	-
	11-13	-	-	-	-	-	-	-	-	-	-	-
	14	RO	-	-	-	-	-	1	-	-	-	-
	15	-	-	-	-	-	-	-	-	-	-	-
	16	CU	-	-	2	-	-	-	-	-	-	-
		RO	-	-	-	1	-	-	-	-	-	-
	17	CU	-	-	2	1	-	-	-	-	-	-
	18	CU	-	1	1	-	-	-	-	-	-	-
		RO	-	-	-	-	1	-	-	-	-	-
	19-27	-	-	-	-	-	-	-	-	-	-	-
	28	CU	-	1	-	-	-	-	-	-	-	-
	29-30	-	-	-	-	-	-	-	-	-	-	-
	33-41	-	-	-	-	-	-	-	-	-	-	-
	42	-	-	-	-	-	-	-	U	1	15.0	-
	43-44	-	-	-	-	-	-	-	-	-	-	-
	45	-	-	-	-	-	-	-	U	1	15.0	-
	46-48	-	-	-	-	-	-	-	-	-	-	-
	49	-	-	-	-	-	-	-	H	1	13.0	-
	50-53	-	-	-	-	-	-	-	-	-	-	-
	54	-	-	-	-	-	-	-	H	1	8.0	-
	55-58	-	-	-	-	-	-	-	-	-	-	-
	59	CU	-	-	-	1	-	-	SH	1	30.0	-
		H	-	-	-	-	1	-	-	-	-	-
	60	H	-	-	1	-	-	-	-	-	-	-
	61	H	-	1	-	-	-	-	-	-	-	-
	62	H	-	-	-	1	1	-	-	-	-	-
	63	H	-	-	2	-	-	-	-	-	-	-
	64	H	-	-	2	-	-	-	-	-	-	-
	65	H	-	-	1	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	-	-	-	-
	69-72	-	-	-	-	-	-	-	-	-	-	-
	73	CU	-	1	-	-	-	-	-	-	-	-
	74	CU	-	-	-	1	-	-	-	-	-	-
	75-84	-	-	-	-	-	-	-	-	-	-	-
	85	CU	-	-	1	-	-	-	-	-	-	-
	86	-	-	-	-	-	-	-	-	-	-	-
	87	CU	-	1	-	1	-	-	-	-	-	-
	88-89	-	-	-	-	-	-	-	-	-	-	-
4	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	U	1	3.0	-
	4	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	U	1	-	-
	6-8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	W	1	-	-
	10	-	-	-	-	-	-	-	U	1	35	30-40
	11	-	-	-	-	-	-	-	U	1	35	30-40
	12	-	-	-	-	-	-	-	AM	2	35	30-40
	13	-	-	-	-	-	-	-	AM	1	35	30-40

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
4--	14	-	-	-	-	-	-	-	-	-	-	-
Cont.	15	-	-	-	-	-	-	-	U	1	-	-
	16	-	-	-	-	-	-	-	-	-	-	-
	17	-	-	-	-	-	-	-	AM	2	-	-
	18	-	-	-	-	-	-	-	AM	2	35	-
	19	-	-	-	-	-	-	-	AM	1	25	-
	20	-	-	-	-	-	-	-	-	-	-	-
	21	-	-	-	-	-	-	-	AM	1	-	-
	22-27	-	-	-	-	-	-	-	-	-	-	-
	29-31	-	-	-	-	-	-	-	-	-	-	-
	32	-	-	-	-	-	-	-	AM	2	35	-
	33	M	-	-	-	2	1	-	-	-	-	-
	34	-	-	-	-	-	-	-	-	-	-	-
	35	M	-	3	4	4	1	-	-	-	-	-
		RO	-	-	-	-	-	1	-	-	-	-
	36	M	-	1	4	2	5	-	-	-	-	-
	37	WF	-	-	-	-	1	-	-	-	-	-
	38	RO	-	1	-	1	1	-	-	-	-	-
	39	M	-	-	-	-	2	-	-	-	-	-
		RO	-	1	-	-	-	-	-	-	-	-
		H	-	-	-	1	-	-	-	-	-	-
	40	RO	-	-	-	1	-	-	-	-	-	-
	41	-	-	-	-	-	-	-	RO	1	2.1	-
	42	-	-	-	-	-	-	-	RO	1	-	-
	43	Y	-	-	-	-	-	1	-	-	-	-
	44	RO	-	1	-	-	2	-	-	-	-	-
		M	-	-	-	-	1	-	-	-	-	-
	45	RO	-	-	-	1	-	-	-	-	-	-
	46-49	-	-	-	-	-	-	-	-	-	-	-
	57-61	-	-	-	-	-	-	-	-	-	-	-
	62	Y	-	-	-	-	1	-	-	-	-	-
	63	-	-	-	-	-	-	-	-	-	-	-
	64	WF	-	-	-	-	1	-	-	-	-	-
	65-73	-	-	-	-	-	-	-	-	-	-	-
	74	H	-	-	1	-	-	-	-	-	-	-
	75	Y	-	-	-	-	1	-	AM	1	22.0	-
		H	-	-	1	-	-	-	-	-	-	-
	76	-	-	-	-	-	-	-	-	-	-	-
	77	-	-	-	-	-	-	-	RO	1	-	-
	78-79	-	-	-	-	-	-	-	-	-	-	-
	80	-	-	-	-	-	-	-	AM	2	17.5	17-18
	81-83	-	-	-	-	-	-	-	-	-	-	-
	84	H	-	-	-	1	-	-	-	-	-	-
		Y	-	-	-	1	-	-	-	-	-	-
	85-86	-	-	-	-	-	-	-	-	-	-	-
5	1-2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	H	1	13	-
	4	-	-	-	-	-	-	-	H	1	-	-
	5-6	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	H	1	-	-
	8-13	-	-	-	-	-	-	-	-	-	-	-
	14	-	-	-	-	-	-	-	H	1	15	-

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of egge in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
5--	15-16	-	-	-	-	-	-	-	-	-	-	-
Cont.	17	CU	-	-	-	-	1	-	-	-	-	-
	18-21	-	-	-	-	-	-	-	-	-	-	-
	22	-	-	-	-	-	-	-	R	1	4.5	-
	23-24	-	-	-	-	-	-	-	-	-	-	-
	25	SH	-	1	2	3	-	-	-	-	-	-
	26	SH	-	-	-	2	-	-	-	-	-	-
	27-29	-	-	-	-	-	-	-	-	-	-	-
	31-33	-	-	-	-	-	-	-	-	-	-	-
	34	WF	-	-	1	-	-	-	-	-	-	-
	35	-	-	-	-	-	-	-	-	-	-	-
	36	WF	-	-	1	-	-	-	-	-	-	-
	37-46	-	-	-	-	-	-	-	-	-	-	-
	47	-	-	-	-	-	-	-	A	1	19	-
	48-52	-	-	-	-	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	A	1	22	-
	54-58	-	-	-	-	-	-	-	-	-	-	-
	59	-	-	-	-	-	-	-	C	1	4.5	-
	60-61	-	-	-	-	-	-	-	-	-	-	-
	62	-	-	-	-	-	-	-	CU	1	3.8	-
	65	SH	-	-	-	1	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	-	-	-	-
	67	SH	-	-	-	1	-	-	-	-	-	-
	68	SH	-	-	-	2	3	-	-	-	-	-
	69	SH	-	-	-	2	-	-	-	-	-	-
	70	SH	-	-	-	-	2	-	-	-	-	-
	71	SH	-	-	1	-	9	1	-	-	-	-
	72	SH	-	-	-	4	6	-	-	-	-	-
	73	SH	-	-	2	2	5	-	-	-	-	-
		RH	-	-	-	1	-	-	-	-	-	-
	74	SH	-	-	-	2	1	-	-	-	-	-
	75-81	-	-	-	-	-	-	-	-	-	-	-
	82	RH	1	1	-	-	-	-	-	-	-	-
	83-85	-	-	-	-	-	-	-	-	-	-	-
	86	-	-	-	-	-	-	-	U	1	11	-
	87-89	-	-	-	-	-	-	-	-	-	-	-
	90	RH	-	-	1	-	-	-	-	-	-	-
	91-96	-	-	-	-	-	-	-	-	-	-	-
6	1	SH	-	-	1	3	2	-	SH	1	-	-
	2	SH	-	-	-	-	1	-	SH	2	-	-
		RH	1	-	-	-	-	-	-	-	-	-
	3	SH	-	-	-	2	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	SH	1	-	-
	5-7	-	-	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	U	1	-	-
	9	WF	-	1	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11	RH	-	-	-	1	-	-	-	-	-	-
	12-22	-	-	-	-	-	-	-	-	-	-	-
	23	Y	-	-	-	1	-	-	-	-	-	-
	24-28	-	-	-	-	-	-	-	-	-	-	-

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

Surface--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
6--	31-41	-	-	-	-	-	-	-	-	-	-	-
Cont.	42	-	-	-	-	-	-	-	RO	1	3.0	-
	43-56	-	-	-	-	-	-	-	-	-	-	-
	57	Y	-	1	1	-	-	-	-	-	-	-
	58	Y	-	1	-	-	-	-	-	-	-	-
	59-63	-	-	-	-	-	-	-	-	-	-	-
	64	RH	-	-	-	1	-	-	-	-	-	-
	66-73	-	-	-	-	-	-	-	-	-	-	-
	74	RH	-	1	-	-	-	-	-	-	-	-
		Y	-	1	-	-	-	-	-	-	-	-
	75-80	-	-	-	-	-	-	-	-	-	-	-
	81	RO	-	1	-	-	-	-	-	-	-	-
	82	-	-	-	-	-	-	-	SH	1	4.5	-
	83-86	-	-	-	-	-	-	-	-	-	-	-
7	1	-	-	-	-	-	-	-	Y	1	10.5	-
	2	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	Y	1	9.0	-
	4	-	-	-	-	-	-	-	Y	1	10	-
	5	-	-	-	-	-	-	-	Y	1	7.5	-
	6	-	-	-	-	-	-	-	Y	1	11	-
	7-8	-	-	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	RO	1	4.5	-
	10	-	-	-	-	-	-	-	-	-	-	-
	11	-	-	-	-	-	-	-	SH	1	18	-
	12-13	-	-	-	-	-	-	-	-	-	-	-
	14	M	-	-	-	-	1	-	-	-	-	-
		CN	-	-	-	1	-	-	-	-	-	-
	15	-	-	-	-	-	-	-	-	-	-	-
	16	CN	-	-	-	1	-	-	SH	1	4.0	-
	17	M	-	1	-	-	1	-	-	-	-	-
	18	CN	-	-	-	-	1	-	-	-	-	-
	19	-	-	-	-	-	-	-	U	1	-	-
	20	RH	-	1	-	-	1	-	SH	1	13.5	-
		CN	-	-	-	-	1	-	-	-	-	-
	21	M	2	-	-	-	-	-	-	-	-	-
		RH	-	-	-	-	1	-	-	-	-	-
	22	CU	-	-	-	-	1	-	-	-	-	-
	23	RH	2	1	-	-	-	-	-	-	-	-
		CU	-	-	-	-	1	-	-	-	-	-
		M	-	-	-	-	1	-	-	-	-	-
	24	M	-	-	1	-	-	-	-	-	-	-
	25	CU	-	2	-	-	-	-	-	-	-	-
		M	-	1	-	-	-	-	-	-	-	-
	26	M	-	-	1	1	-	-	-	-	-	-
	27	-	-	-	-	-	-	-	-	-	-	-

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

10 Meters

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
1	1-3	-	-	-	-	-	-	-	-	-	-	-
	4	Y	-	-	-	1	-	-	-	-	-	-
	5-27	-	-	-	-	-	-	-	-	-	-	-
	40-62	-	-	-	-	-	-	-	-	-	-	-
2	1-10	-	-	-	-	-	-	-	-	-	-	-
	11	H	-	-	-	1	-	-	-	-	-	-
	12-17	-	-	-	-	-	-	-	-	-	-	-
	18	H	-	-	-	1	-	-	-	-	-	-
	19-21	-	-	-	-	-	-	-	-	-	-	-
	22	H	-	-	1	-	-	-	-	-	-	-
	23-31	-	-	-	-	-	-	-	-	-	-	-
	32	-	-	-	-	-	-	-	C	1	6.1	-
	33	H	-	-	-	-	3	1	-	-	-	-
	35	-	-	-	-	-	-	-	H	1	4.5	-
	36	-	-	-	-	-	-	-	-	-	-	-
	37	-	-	-	-	-	-	-	H	1	4.0	-
	38-42	-	-	-	-	-	-	-	-	-	-	-
	43	-	-	-	-	-	-	-	C	1	7.5	-
	44	-	-	-	-	-	-	-	H	1	3.8	-
	45-48	-	-	-	-	-	-	-	-	-	-	-
	49	-	-	-	-	-	-	-	H	1	4.0	-
	50-52	-	-	-	-	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	H	1	4.5	-
	54-57	-	-	-	-	-	-	-	-	-	-	-
	58	H	-	-	-	-	-	1	-	-	-	-
	59-63	-	-	-	-	-	-	-	-	-	-	-
	64	H	-	-	-	-	1	-	-	-	-	-
	65	-	-	-	-	-	-	-	-	-	-	-
	67-71	-	-	-	-	-	-	-	-	-	-	-
	72	-	-	-	-	-	-	-	C	1	6.5	-
	73-87	-	-	-	-	-	-	-	-	-	-	-
3	1-16	-	-	-	-	-	-	-	-	-	-	-
	17	RO	-	1	-	-	-	-	-	-	-	-
	18	-	-	-	-	-	-	-	-	-	-	-
	19	H	-	-	-	1	-	-	-	-	-	-
	20-33	-	-	-	-	-	-	-	-	-	-	-
	37-70	-	-	-	-	-	-	-	-	-	-	-
	72-93	-	-	-	-	-	-	-	-	-	-	-
4	1-32	-	-	-	-	-	-	-	-	-	-	-
	41-49	-	-	-	-	-	-	-	-	-	-	-
	50	RO	-	-	-	-	1	-	-	-	-	-
	51	-	-	-	-	-	-	-	-	-	-	-
	52	RO	-	-	1	-	-	-	-	-	-	-
	53	-	-	-	-	-	-	-	-	-	-	-
	54	RO	-	-	-	1	-	-	-	-	-	-
	55-61	-	-	-	-	-	-	-	-	-	-	-
	62	-	-	-	-	-	-	-	AM	1	7.5	-
	66-75	-	-	-	-	-	-	-	-	-	-	-
	76	Y	-	-	-	1	-	-	-	-	-	-
	77-97	-	-	-	-	-	-	-	-	-	-	-

Table 13.--Stages and sizes of fish eggs and larvae taken with the Hardy Plankton Recorder on *Albatross III* cruise no. 61, May 16-28, 1955--Continued

10 Meters--Continued

Loading number	Gauze section	Species	Number of eggs in indicated stage						Larvae			
			I	II	III	IV	V	VI	Species	Number	Length	Range
											mm.	*mm.*
5	1-10	-	-	-	-	-	-	-	-	-	-	-
	11	-	-	-	-	-	-	-	U	1	-	-
	12-17	-	-	-	-	-	-	-	-	-	-	-
	18	-	-	-	-	-	-	-	H	1	11	-
	19-31	-	-	-	-	-	-	-	-	-	-	-
	35	-	-	-	-	-	-	-	-	-	-	-
	36	-	-	-	-	-	-	-	Y	1	2.8	-
	37	-	-	-	-	-	-	-	-	-	-	-
	38	-	-	-	-	-	-	-	Y	1	2.8	-
	39	-	-	-	-	-	-	-	WF	1	5	-
	40	-	-	-	-	-	-	-	WF	2	5.2	-
	41	-	-	-	-	-	-	-	WF	1	5.0	-
	42	-	-	-	-	-	-	-	WF	2	5.0	-
	43	-	-	-	-	-	-	-	WF	2	5.0	-
	44-50	-	-	-	-	-	-	-	-	-	-	-
	51	-	-	-	-	-	-	-	U	1	17.5	15-20
	52-61	-	-	-	-	-	-	-	-	-	-	-
	62	-	-	-	-	-	-	-	U	1	15	-
	63	-	-	-	-	-	-	-	H	1	20	-
	64-65	-	-	-	-	-	-	-	-	-	-	-
	67-70	-	-	-	-	-	-	-	-	-	-	-
	71	-	-	-	-	-	-	-	SH	1	3.0	-
	72-74	-	-	-	-	-	-	-	-	-	-	-
	75	SH	-	-	3	-	-	-	SH	2	3.0	-
	76	SH	-	-	-	1	2	-	-	-	-	-
	77	-	-	-	-	-	-	-	SH	1	3.0	-
	78-83	-	-	-	-	-	-	-	-	-	-	-
	84	CU	-	-	-	1	-	-	-	-	-	-
	85-94	-	-	-	-	-	-	-	-	-	-	-
	95	-	-	-	-	-	-	-	U	1	-	-
	96-100	-	-	-	-	-	-	-	-	-	-	-
6*	1-17	-	-	-	-	-	-	-	-	-	-	-
	18	-	-	-	-	-	-	-	Y	1	-	-
	19	-	-	-	-	-	-	-	-	-	-	-
	20	-	-	-	-	-	-	-	Y	1	9.0	-
	21	-	-	-	-	-	-	-	-	-	-	-
7	25-26	-	-	-	-	-	-	-	-	-	-	-
	27	-	-	-	-	-	-	-	U	1	15	-
	28-29	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	Y	1	7.0	-
	31-32	-	-	-	-	-	-	-	-	-	-	-
	33	-	-	-	-	-	-	-	CU	1	5.6	-
	34	-	-	-	-	-	-	-	SH	1	5.0	-
	35-40	-	-	-	-	-	-	-	-	-	-	-
	41	-	-	-	-	-	-	-	U	1	8.0	-
	42-43	-	-	-	-	-	-	-	-	-	-	-
	44	-	-	-	-	-	-	-	U	1	4.0	-
	45-50	-	-	-	-	-	-	-	-	-	-	-
	51	M	-	-	-	1	-	-	-	-	-	-
	52	-	-	-	-	-	-	-	-	-	-	-

*Tows 1 and 2 - No samples - Fusee wire broke.

Table 14.--Gauze section data on Hardy Plankton Recorders towed at surface and 10 meters, *Albatross III* cruise no. 57, February 21 to March 2, 1955

Loading number	Gauze section		Number of sections exposed	Distance travelled	Section equivalent	Conversion factor for no./5 mi.
	Start	Finish				
			Surface			
				Miles		
1	2	28	27	140.5	5.20	0.96
	29	49	21	102.5	4.88	1.02
	51	69	19	105.7	5.56	0.90
	71	98	28	152.0	5.43	0.92
2	1	21	21	136.7	6.51	0.77
	23	43	21	128.0	6.10	0.82
	45	63	19	96.5	5.08	0.98
	64	97	34	186.0	5.47	0.91
3	1	27	27	161.3	5.97	0.84
	32	51	20	112.3	5.62	0.89
	52	71	20	111.0	5.55	0.90
	73	89	17	114.0	6.71	0.75
4	1	37	37	218.6	5.91	0.85
	39	68	30	178.7	5.96	0.84
			10 Meters			
1	2	21	20	140.5	7.03	0.71
	27	42	16	102.5	6.41	0.78
	48	63	16	105.7	6.61	0.76
	70	91	22	152.0	6.91	0.72
2*						
3	1	17	18	161.3	8.96	0.56
	21	32	12	112.3	9.36	0.53
	35	46	12	111.0	9.25	0.54
	48	60	13	114.0	8.77	0.57
4	62	87	26	218.6	8.41	0.59
	1	20	20	178.7	8.94	0.56

*Recorder and complete records for 500 miles lost on Browns Bank, 2/26/55, 0230.

Table 15.--Gauze section data on Hardy Plankton Recorders towed at surface and 10 meters, *Albatross III* cruise no. 58, March 19 to April 1, 1955

Loading number	Gauze section		Number of sections exposed	Distance travelled	Section equivalent	Conversion factor for no./5 mi.
	Start	Finish				
Surface						
				Miles		
1	1	24	24	154.0	6.42	0.78
	27	55	29	166.7	5.75	0.87
	57	76	20	114.3	5.72	0.87
	77	92	16	82.1	5.13	0.97
2	1	29	29	172.4	5.94	0.84
	35	73	39	235.5	6.04	0.83
	75	91	17	100.0	5.88	0.85
3	1	25	25	136.4	5.46	0.92
	26	45	20	121.0	6.05	0.83
	49	60	12	68.1	5.68	0.88
	65	91	27	155.5	5.76	0.87
4	1	36	36	191.9	5.33	0.94
	38	51	14	84.8	6.06	0.83
	52	71	20	116.2	5.81	0.86
5	1	34	34	194.8	5.73	0.87
10 Meters						
1	1	22	22	154.0	7.00	0.71
	25	50	26	166.7	6.41	0.78
	61	80	20	114.3	5.72	0.87
	81	95	15	82.1	5.47	0.91
2	1	30	30	172.4	5.75	0.87
	34	72	39	235.5	6.04	0.83
	75	91	17	100.0	5.88	0.85
3	1	23	23	136.4	5.93	0.84
	25	45	21	121.0	5.76	0.87
	48	58	11	68.1	6.19	0.81
	62	83	22	155.5	7.07	0.71
4*						

*Recorder and complete records for 500 miles lost on 3/30/55, 0840.

Table 16.--Gauze section data on Hardy Plankton Recorders towed at surface and 10 meters, *Albatross III* cruise no. 60, April 19 to May 2, 1955

Loading number	Gauze section		Number of sections exposed	Distance travelled	Section equivalent	Conversion factor for no./5 mi.
	Start	Finish				
			Surface			
				Miles		
1	1	28	28	167.7	5.99	0.83
	32	49	18	91.2	5.07	0.99
	51	71	21	116.5	5.55	0.90
	73	100	28	154.7	5.53	0.90
2	1	29	29	153.7	5.30	0.94
	30	61	32	164.2	5.13	0.97
	62	87	26	151.8	5.84	0.86
3	1	24	24	120.7	5.03	0.99
	29	67	39	228.3	5.85	0.85
	69	87	19	107.0	5.63	0.89
4	1	20	20	118.4	5.92	0.84
	22	52	31	178.0	5.74	0.87
	53	89	37	219.0	5.92	0.84
5	1	24	24	149.5	6.23	0.80
	25	47	23	138.3	6.01	0.83
			10 Meters			
1	Fusee wire fouled - No samples					
	17	34	18	91.2	5.07	0.99
	36	58	23	116.5	5.07	0.99
	60	90	31	154.7	4.99	1.00
2	1	28	28	153.7	5.49	0.91
	30	61	32	164.2	5.13	0.97
	62	87	26	151.8	5.84	0.86
3	1	23	23	120.7	5.25	0.95
	27	67	41	228.3	5.57	0.90
	69	87	19	107.0	5.63	0.89
4	1	21	21	118.4	5.64	0.89
	23	57	35	178.0	5.09	0.98
	58	98	41	219.0	5.34	0.94
5	Gear fouled - No samples					

Table 17.--Gauze section data on Hardy Plankton Recorders towed at surface and 10 meters, *Albatross III* cruise no. 61, May 16-28, 1955

Loading number	Gauze section		Number of sections exposed	Distance travelled	Section equivalent	Conversion factor for no./5 mi.
	Start	Finish				
			Surface			
				Miles		
1	1	20	20	129.5	6.48	0.77
	30	50	21	174.3	8.30	0.60
2	1	31	31	176.3	5.69	0.88
	33	61	29	175.3	6.04	0.83
	63	82	20	113.5	5.68	0.88
3	1	30	30	182.3	6.08	0.82
	33	66	34	185.7	5.46	0.92
	69	89	21	117.8	5.61	0.89
4	1	27	27	172.5	6.39	0.78
	29	49	21	118.0	5.62	0.89
	57	86	30	175.5	5.85	0.85
5	1	29	29	165.3	5.70	0.88
	31	62	32	174.2	5.44	0.92
	65	96	32	171.5	5.36	0.93
6	1	28	28	159.8	5.71	0.88
	31	64	34	186.5	5.49	0.91
	66	86	21	110.0	5.24	0.95
7	1	27	27	134.3	4.97	1.01
			10 Meters			
1	1	27	27	129.5	4.80	1.04
	40	62	23	174.3	7.58	0.66
2	1	33	33	176.3	5.34	0.94
	35	65	31	175.3	5.66	0.88
	67	87	21	113.5	5.41	0.92
3	1	33	33	182.3	5.52	0.91
	37	70	34	185.7	5.46	0.92
	72	93	22	117.8	5.35	0.93
4	1	32	32	172.5	5.39	0.93
	41	62	22	118.0	5.36	0.93
	66	97	32	175.5	5.48	0.91
5	1	31	31	165.3	5.33	0.94
	35	65	31	174.2	5.62	0.89
	57	100	34	171.5	5.04	0.99
6	Tows 1 and 2 Fusee wire broke - No samples - Recorder reloaded					
	1	21	21	110.0	5.24	0.95
7	25	52	28	134.3	4.80	1.04

MS #1053

GPO 926483