410960

Walton

1956

UNIVERSITY OF WASHINGTON
APPLIED FISHERIES LABORATORY
SEATTLE, WASHINGTON

Locality: Parry + Walton Date: June 11, 1956

Personnel: Held, Olson, Hines, Seymour, Lowman, Welander, + Donaldson Weather: Fair

Water conditions: Very good

Radiation level(s):

Operations:

Spent entire morning loading and installing equipment on board D.E. Walton (361).

Ship took on fuel oil sailed at 5:05 p.m. Six members of the Applied Fisheries Laboratory staff on board Hines, Lowman, Seymour on one watch, Welander, Olson and Donaldson the 0-12 watch. Held remained at EMBL to keep the laboratory operative and to make the trip to Wotho June 19.

On board the Walton laboratories were set up in the after officer quarters for radiation counters in the passageway between the laundry and after officers quarters an area was built upon which to do water chemistry.

The winch was located on the port side of the ship with a working area mounted over the side just forward of the port side. The cable from the winch was passed over to the side of the ship through a meter block to clear the side of the ship by about 3'.

Officers on the Walton:-

Comd. R.F. [illegible], captain
LT. J.R. Thorndyke - Executive officer
LTjg. R.E. Peterson - Operations
LTjg. R.W. Kistler - Gunnery
LTjg. N.L. Burke - Engineering

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Locality: West of Eniwetok Atoll — Date: June 12, 1956
Personnel: Hines, Lowman, Olson, Welander, Seymour, Donaldson — Weather: Fair
Water conditions: moderate

Radiation level(s)

Operations: (0816 - position 14°03.2 N 158°55' E)

Arrived at Station A-1 at 0800, first tow at surface as the ship drifted over the cable. 09.00 repeated station with 2 nets. lost 3' of top net cut off by cable. Motor ran hot on wind so decided to use slowest speed with one net. Took water samples at surface 25, 50, & 100 meters. Reversing thermometer out of range so will depend upon BT reading provided by the ship.

At 10^00 a.m. running east from station 1-A to station 2-A. On station 2-A 1300, Took standard plankton tow with one (1) net with 300 meters of cable out. Water samples at surface, 50 and 100 meters. Other water bottles needed repairs.

1340 underway headed S.W. to station 1-B

Station 2 A position 1335 14°00'N 159°41'E.
Station 1 B 1735 position 13°14'N 158°56.5'E
" 1 C 2120 " 12°27.5'N 158°54'E.

Tow with one net #1.2 mesh now to be standard with 300 meters of cable out for each tow. Water samples to be at surface, 25 M, 50 M, 75 M and 100 meters.

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Locality Watton — Date June 13, 1956

Personnel Hines, Lawrence, O'Leary, Seymour, Welander, & Donaldson — Weather Fair

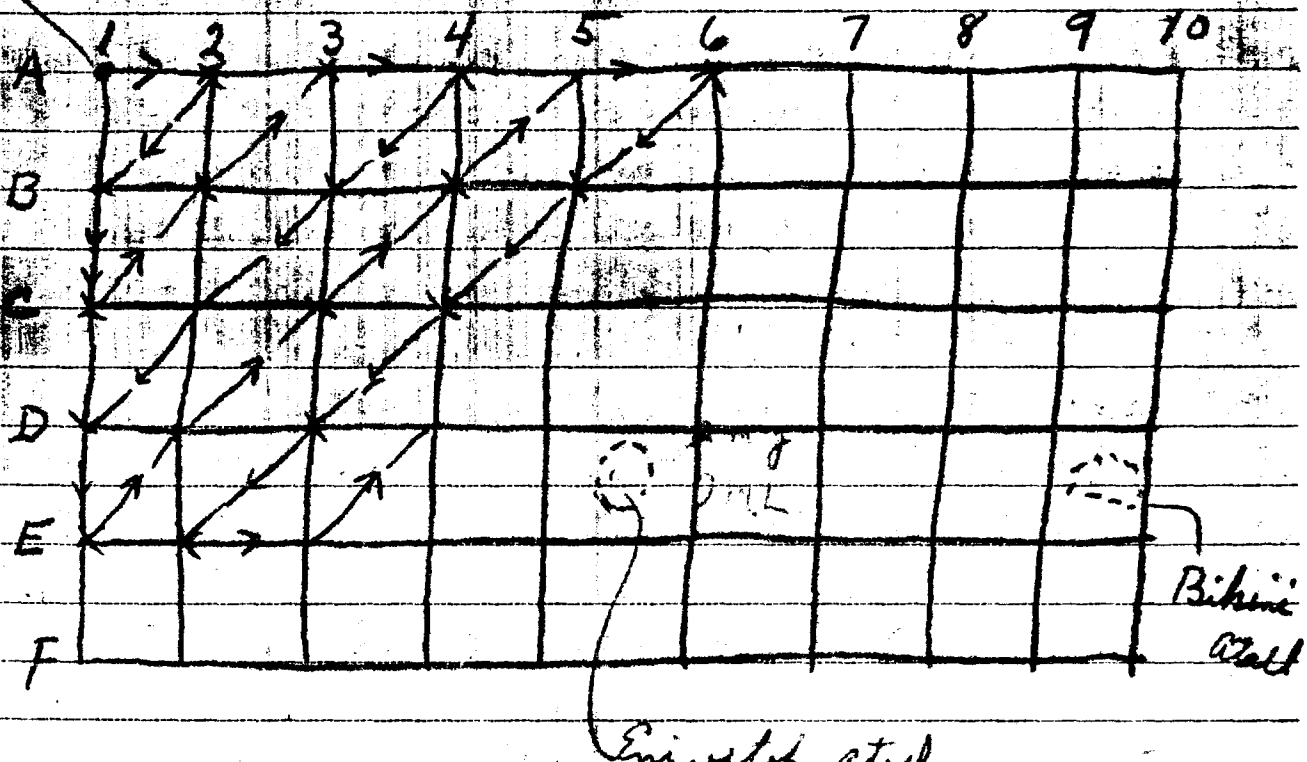
Water conditions moderate

Radiation level(s)

Operations:

Continued to run on the course predetermined with stations spaced every four (4) hours.

Start Method of numbering stations.



X Stations completed June 12-16

Station	2 B	0210	13°-16'N	159°-38'E
"	3 A	0700	14°06'N	160°26.8'E.
"	4 A	1020	13°-58.5N	161° 15.8E
"	3 B	1410	13°15' N	160° 36' E
"	2 C	1825	12°28.5N	159°40.5E
"	1 D	2310	11° 42.7 N	158° 54 E

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Locality Walton Date June 14, 1956

Personnel Nims, Lowman, Olson, Seymour, Welander, Donaldson Weather Fair

Water conditions moderate & calm

Radiation level(s)

Operations:

Continued to run the planned course, with plankton water tows, at stations and the continuous monitoring probe recordings.

Station	1E	0230	11° - 00.0'	158 - 57.5'
"	2D	0700	11° 39' N	159° 37.5' E
"	3C	1125	12° 27.8' N	160° 28.0' E
"	4B	1600	13° 14' N	161° 12.5 E
"	5A	2000	14° 01' N	161° 57.5 E
"	6A	2330	14° 00' N	162° 51 E.

Work of counting & processing as rapidly as samples are dry so that there is no lag in reporting daily averages to Dr Bossi.

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Locality: Walton   Date: June 15, 1956

Personnel: Hines, Olson, Lowman, Seymour, Welander, Donaldson   Weather: Fair

Water conditions: Calm.

Radiation level(s):

Operations:

Continued to monitor water and plankton, with the probe in operation.

At 8:00 am. while at station 4C observed a school of tuna feeding with a few birds [illegible]. Orders were received by the ship to be at the [illegible] at 0800 16 June so it was necessary to interrupt our schedule of operations and run into port for fuel.

Station	5 B	0340	13° 15' N	162° 0[illegible]
"	4 C	0805	12° 29.5'	161° 1[illegible]
"	3 D	1230		
"	2 E	1615	11°00' N	159° 52.5' E
"	3 E	[illegible]	11-01.5 N	160 - 35 E
"	4 D	2335		

Change in operational schedule was made to make best use of the time available before running into port of Eniwetok for fuel.

Locality USS Walton DE 361 Date June 16, 1956

Personnel Hines Olson, Lowman Weather Fair

Seymour, Wilander & Donaldson Water conditions smooth

Radiation level(s)

Operations:

Continued to survey stations west and south of Eniwetok atoll prior to picking up fuel, mail and supplies.

Station 4F 0250
" 5E 0605

At 0800 off Deep Entrance awaiting appointment postponed until 1320. Arrived at fuel barge at 0930. Met Lt. E. Bell and Geo Bonnier who photographed personnel and laboratory installations.

Went ashore in LCVP for conferences and supplies. Two anton tubes were obtained from N.Y.O. for use in the counters to replace those we have lost - possibly from vibration.

Had lunch with Adm Haneley Adm. Southerland, Mr. Greenburk etc at the Admirals quarters.

Conference with Adm Wesling, Capt Munson, Lt Cdr Farrand, etc on operational program and test series fall out expectations.

Returned to the ship and underway at 1615 for station 5-D

Station 5-D 1845 11° - 45.5' N 162° - 09' E
" 5-C 2145 12° - 29.5' N 162° - 20' E

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Locality: USS Walton Date: June 17
Personnel: Lowman, Olson Weather: Showers
Welander, Seymour, Donaldson Water conditions: Rough

Radiation level(s):

Operations:

Continued to take stations in the standard manner with plankton tow at 300 meters and water samples at the surface, 25, 50, 75 and 100 meters.

Next time recommend 11 Pacific Island 11 to spend some time on other parts of [illegible] program.

Station 6C 0050 12-29.7 N 162°-55.5'E
6B 0420 13°-28' N 162°-55'E
Cut net on cable ? and replaced [illegible]" net with 6" net for plankton haul.

Station 7B 0805 13°-17.5' N 163° 39'E
" 7A 1045 13°-59' N 163°-42'E.
Used new 12" net

Station 8a 1345 14.°00' N 164-28E

Ordered to leave and run to 6E to clear area for experiment planned for tomorrow morning. Running at 22-23 knots in SSW direction to 6E.

Station 6E 2356 11°00" 162° 54"

From station 6-E the ship continued east to 9-E before turning north.

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Locality USS Walton Date June 18, 1956

Personnel Olson, Lowman, Seymour, Welander and Donaldson Weather moderate

Water conditions moderate.

Radiation level(s)

Operations:

Continued to take water, plankton tows and to [illegible] the sampling program toward the east.

7-E	0300	10° 59.5' N	163°-42.0' E
8-E	0621	10° 56'	164°-23'
9-E	0958	10° 58'	165°-15'
9-D	1345	11° 46'	165°-13'
9-C	1645	12° 29.5'	165°-16'
8-C	2000	12° 30.5'	164°-25'
8-D	2309	11° 45'	164°-28.1'

Stations sampled west of Bikini Atoll the have most radiation encountered in water and plankton

Water became rougher during the night. Major storms were reported north of the area in which we worked.

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Locality U.S.S. Walton   Date June 19, 1956
Personnel Olson, Lowman, Seymour, Welander & Donaldson   Weather moderate
Water conditions moderate to rough.

Radiation level(s)

Operations:

Ship proceeding on a revised course to reach as many stations as possible after it was found necessary to abandon our original program of operation on 17.

7-B	0326	13° 32.5' N	163° 41.5' E
8-B	0800	13° 16.8'	164° 28.1'
9-B	1045	13° 15'	165° - 14'
A-9	1343	13° 5.8'	165° - 15'
B-10	1740	12° 15.5'	165° - 56.5'
10-C	2055	12° 25.5	165° - 59'

Word was received that experiments planned for Bikini had been postponed - so we were allowed to continue with the sampling program.

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Locality USS [illegible] Date June 20, 1956

Personnel Olson, Lowman, Seymour Weather moderate

Welander, Donaldson Water conditions Long swells

Radiation level(s)

Operations:

Stations along the east, south, and to the west of Bikini atoll were sampled during the days work.

10-D	0011	11°-43'N	165° 57.5'E
10-E	0323	11°-04'	165° 55'
10-F	0624	10°-19'	165° 53.2'
9-F	0923	[illegible]-14.5'	165° 12'
8-F	1224	[illegible]-17'	164° 30'
7-F	1545	10°-15.5'	163° 41'
7-D	2203	11°-47.	163°-43'

Long swells made it somewhat of a problem to stay in ones bunk - especially while the ship was on station and subject to the maximum rolls.

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Locality U.S.S. Walton & Parry Island Date June 21, 1956

Personnel Olson, Lowman, Seymour Weather Fair

Welander & Donaldson Water conditions Fair.

King & Hill came aboard.
to help unload.

Radiation level(s)

Operations:

Continued on to the west to the last station and then into the lagoon at Eniwetok.

6-D 0219 11° 47' N 162°-59.5' E.

arrived at the anchorage at Eniwetok at [illegible] 30. With the aid of the ships crew and Hill [illegible] unloading progressed rapidly. A LCM boat picked up our equipment at 1:15 P.M. and transported us to shore. Gear was placed on the porch at E.M.B.L. for sorting before repacking for the last trip. Counters were placed in the temperature controlled counting room.

N.Y.O. began to move out of part of the laboratory space to make room for the [illegible] of us and our equipment.