

A

UNIVERSITY OF WASHINGTON

Capt. James E. Russell, Military Application

April 12, 1950

J. H. Finley, Administrative Office,
Division of Biology & Medicine
EXPOSURE RISKING RE-SURVEY - 1950

7 April 1950

Folder = NMB 4

Mr. Paul E. Pearson
Chief, Field Division
Division of Biology and Medicine
Atomic Energy Administration
Washington 25, D.C.

The Division of Biology and Medicine is interested in making another re-survey this summer of Halibut and Herring under the direction of Dr. Lauren E. Donaldson, Applied Fisheries Laboratory, University of Washington.

It would be appreciated if you could designate someone on your staff to make preliminary inquiry of the Navy Department regarding the possibility of the Navy Department providing transportation and forward area support of the expedition on essentially the same basis as the previous year.

Attached is a copy of a letter from Dr. Donaldson, which suggests that the re-survey be made during the last two weeks of July and the first week of August. You will notice that Dr. Donaldson has indicated that he has under preparation a complete operations plan, a copy of which will be provided for your use as soon as it is received. Until then, probably all that can be done is to explore the possibility of a Navy forward area support and the designation of Lt. Commander Greer as Liaison Officer is coordinated with Dr. Donaldson's request.

Reference is made to your memorandum of April 29th, 1949 to the Chief of Naval Operations (OP-36) by which you initiated arrangements with the Navy Department last year.

Attachment: Dr. Donaldson's letter 44, April 8, 1950

Dr. Lauren E. Donaldson
Paul E. Pearson
Biology
Liaison
Fisheries
Physiology
Marine Algae
Invertebrates

Forest Location
Bureau
Division
U. of Wash. Applied Fisheries
MEDICINE, HEALTH & SAFETY
Wash. State College
Dept. of Botany, U. of W.
University of Hawaii

16-50005-1 GPO

OFFICE ▶					
SURNAME ▶					
DATE ▶					

NAME: J. H. FINLEY
DATE: 3-21-54
CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED

Dr. Paul Pearson

May 22, 1950

L. S. Riddle

BIKINI, ENIWEK SURVEYS BY LAUREN DONALDSON

In my conversations with Dr. Donaldson throughout the day of May 12, 1950, I learned that contrary to previous reports, Donaldson is extremely anxious to make the Eniwetok surveys in 1950, and in 1951 following the shots. He has more or less concluded, as we have, that the data to be obtained at Bikini in the future are not worth the time and money which would be involved in making the surveys on an annual basis. He was amenable to the suggestion that after this year Bikini should be resurveyed at five-year intervals.

Requirements for the 1950 Survey

Donaldson hopes to be in the Pacific late in July or early in August. He expects to spend two weeks at Eniwetok. The first week would be spent collecting specimens for subsequent analysis, and the second week for laying out and identifying areas to be studied in connection with the tests. He believes that the work at Bikini could be completed in one week, and could be done in connection with the regular Navy patrol by arrangements with the local commander at Kwajalein. The 1950 survey would require transportation for 6 or 7 people by MATS and limited shore facilities and quarters at Eniwetok or Japan. For the Eniwetok work he would need an LCM or LCV-P (these are 82-foot craft). I strongly recommended that during the week at Bikini he attempt to collect microplankton in amounts sufficient to permit subsequent fission product and plutonium analysis. This would require an additional small craft or "skimmer", to make the plankton tows.

Requirements for 1951 Survey

The services of a laboratory ship of the LSI-L type similar to No. 1091 used in the previous surveys would be required. The equipment for converting a LSI for use as a laboratory ship is stored at Pearl Harbor under Lt. Comdr. George B. Grier.

Additional Notes

Donaldson recognizes the need for fission product analysis on the collected material. He has been depending upon UCLA and Hanford for his analyses, but this arrangement is a relatively unsatisfactory one. Donaldson is currently attempting to engage a partially trained radio-chemist and expects to set up plutonium assay procedures at the Washington laboratory. Joe Hamilton agreed to take on any candidate of

OFFICE ▶										
SURNAME ▶										
DATE ▶										

MRS
Bikini
Eniwetok

16-50506-2

- 1 -

Donaldson's for about two months special training at Berkeley.
The report on the 1949 survey is just about completed and should
reach this office within a few days.

OFFICE ▶						
SURNAME ▶						
DATE ▶						