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UNIVERSITY OF WASHINGTON  
SCHOOL OF FISHERIES  
SEATTLE 5, WASHINGTON  
Applied Fisheries Laboratory

*J. Warren*  
3/37  
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September 2, 1949

Dr. Shields Warren  
Chief, Division of Biology and Medicine  
Atomic Energy Commission  
Washington 25, D. C.

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BOX 3  
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SUBJECT: BIOMASS-ENVIRONMENT SURVEY.

Dear Dr. Warren:

The Bikini-Eniwetok survey party returned from the field August 31 after completing our most successful survey. The success of this mission was in large part due to the fine support provided by the Atomic Energy Commission and the U. S. Navy.

We left our laboratories at the University of Washington July 10, 1949, and our landing place at Wajalein, I. E. was on board the USCGC (L) 1691. This vessel will be substituted at the Pearl Harbor Naval Station under the direct supervision of Lt. Dennis Eugene J. Green, the expedition's Naval Liaison Officer. After leaving Hawaii the expedition traveled, lived and worked aboard the vessel during their entire stay in the Marshalls.

We arrived at Bikini the evening of July 24 and remained until August 5. Collections of land plants and animals were made on most of the large islands. Six general collections of aquatic plants and animals were made at strategic locations around the lagoon. Plankton, bottom fauna and flora, and water samples were collected from the deeper waters of the lagoon, including the target area.

From August 6 to August 16, inclusive, the expedition collected and worked at Eniwetok. The sampling followed the pattern used at Bikini except for the increased emphasis on the land plants and animals. The great islands and adjacent regions provided such interesting material of plant significance. Dr. Philip Shelton, Washington State College, and Dr. Harold H. John, University of Hawaii, collected material that should provide very useful data in evaluating this phase of the problem.

"Control" collections were made at Eniwetok during the period from August 18 to 22 inclusive. These collections will be used to establish a better understanding of the naturally occurring radioactive materials in the forms used for study at Bikini and Eniwetok.

The equipment that was used aboard the USCGC (L) 1691, for laboratory space, specimen storage, plankton collecting, housekeeping, etc., was stored at the U. S. Naval Station, Wajalein, as directed. This material together with other supplies and equipment was packed in storage boxes so as to be available for use by future expeditions. A complete property inventory of the stored material is being prepared.

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