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SUMMARY OF OPERATIONS ON CONTRACT NO. W-28-094-eng-33
FOR THE MONTH OF JUNE 1947.

During the month of June the staff in Applied Fisheries at the University of Washington were engaged for the most part in the conduct of our major research program and the preparations for the resurvey of the waters about Bikini Atoll.

I. The basic program of the Applied Fisheries Laboratory, that of measuring the effect of exposure of aquatic organisms in various stages of development to X-rays continued on a reduced scale.

*Sections I and II.

The data gathered from the study of the second generation of young fish from the "controls" and from the 100 r exposures is being analyzed.

Arrangements have been made to continue this study with the collection of additional data from the major portion of the run that is expected to return to the Samish River in the fall of 1947.

Section XI-b

During the month the adult fish that were produced from irradiated parents spawned in the spring of 1945 have in turn completed spawning and produced the second generation of offspring from the irradiated stock. These adult fish were released as further study on them was not thought to be advisable.

Portions of each lot of young fish of the second generation were retained and are continuing to develop.

Sections XV - XVII.

On June 26, Dr. Kelshaw Bonham went to the federal salmon hatchery at Leavenworth, Washington to confer on the feasibility

*Section numbers refer to the Project Chronology Chart, revised January 9, 1947.

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of recovering marked steelhead expected to return this year and next from the 1945 release in Iciale Creek. Only two returns were taken this year. Next year will be the expected time of return.

II. Studies on the absorption and retention of radioactive materials were continued on a reduced scale because of the press of other duties.

III. The follow-up studies on the Bikini lagoon have taken definite form. The procurement of personnel, equipment, and supplies has been the major activity of the staff during the month. The Bikini expedition consisted of the following members:

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| Dr. Lauren R. Donaldson | Allyn H. Seymour |
| Dr. Arthur D. Welander | Lorence B. Marquiss |
| Dr. Frederick H. Rodenbaugh | Jesse P. Pflueger |
| Clarence F. Pautzke | Richard Osborn |
| Robert G. Meigs | Frederick Hase Rodenbaugh, Jr. |
| Richard F. Foster | |

IV. The studies being conducted at the 146 Building, Hanford Engineer Works, were followed with interest. A trip was made to the Hanford Engineer Works on June 26, 1947, by Dr. Lauren R. Donaldson to confer with the men in charge of the Laboratories. Mr. Phil Olson made a trip to Seattle June 28, to procure food and supplies for the 146 Building.

Mr. Benton A. Durley and Mr. Burns visited the laboratories on June 3, 1947, to confer with members on the property and property records.

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L. R. Donaldson by K. Bonham
Dr. L. R. Donaldson
Director of Contract
No. W-28-094-eng-33
