

SUMMARY OF OPERATIONS ON CONTRACT NO. W-28-074-eng-33

FOR THE MONTH OF JULY 1947

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On July 1, most of the Applied Fisheries staff departed from the University of Washington for Bikini, leaving only three members.

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

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*Sections I and II.

A report entitled, "Preliminary report concerning X-ray effects upon chinook salmon (Oncorhynchus tshawytscha Walbaum) observed through more than one generation", was completed at the end of the month and on August 1, 1947 was submitted to Col. Wm. D. Fleming, Chief, Medical Division, United States Atomic Energy Commission, Oak Ridge, Tennessee. Copies were submitted to Col. F. F. Clarke, Area Engineer, Hanford Engineer Works, Richland, Washington, and Dr. Stafford L. Warren, Chairman, Interim Medical Committee, United States Atomic Energy Commission

Section X.

The original report submitted October 29, 1946 was revised under the title, "The effect of X-ray on mortality, weight, length, and counts of erythrocytes and hematopoietic cells in fingerling chinook salmon, Oncorhynchus tshawytscha Walbaum", and on July 18, was submitted to the Area Engineer, for clearance. Publication is contemplated in the periodical, Growth.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY: <i>AA Amisgulla</i>	DETERMINATION (CIRCLE NUMBER(S))
REVIEWER (ADD): <i>11-2-94</i>	1. CLASSIFICATION RETAINED
NAME: <i>RLC</i>	2. CLASSIFICATION CHANGED TO:
DATE: <i>11-14-94</i>	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY):

Section XI-b.

The second generation offspring of the adult fish X-rayed and

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

spawned in 1945 continue to develop. The mortality in all seven groups continues almost at zero.

II. The manuscript concerning X-ray treatment of certain plankton organisms was condensed according to prospective publisher's suggestions and on July 9, was mailed to Science for publication under the title, "Lethal effect of X-rays on marine microplankton organisms".

III. Weekly, or more frequent, written contact has been maintained between the portions of the staff at Bikini and in Seattle. Bikini activities will be reported upon separately by Dr. Donaldson.

IV. On July 19, Mr. Phil. A. Olson of the 146 Building, Hanford Engineer Works, Richland, Washington, consulted with the University of Washington staff, and obtained supplies for the fish at Hanford.

On July 15 and 16, Atomic Energy Commission Class B property items were given numbered tags by Mr. Carl D. Friswold and Mr. Willet Keith from the Hanford Engineer Works.

US DOE ARCHIVES	
326 U.S. ATOMIC ENERGY COMMISSION	
RG	<u>DOE HISTORIAN (DP/311)</u>
Collection	<u>1132</u>
Box	<u>3354</u>
Folder	<u>29</u>

Kelshaw Bonham

Kelshaw Bonham, Res. Assoc.
Member of Staff of Contract
No. W-28-094-eng-33

for

Lauren R. Donaldson
Director of Contract
No. W-28-094-eng-33

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