

UNIVERSITY OF WASHINGTON  
APPLIED FISHERIES LABORATORY  
SEATTLE, WASHINGTON

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DAILY LOG

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Locality Rongelap - Kabelle & Labaredj Islands Date October 21, 1955 Friday  
Personnel Bonham Held Weather Fair - 5 knot wind early morning  
Lowman Seymour Water conditions with max. of about 10 knots  
during day; from NNE

Radiation level(s) Kabelle - range open 14-0.4 m. rep/hr

Operations: closed 3.5-0.1 " "

Kabelle

Left LST about 0830 in LCVP. LST anchored in lagoon near Northeast  
Passage and about 5½ miles from Kabelle. One 6# rainbow runner caught on  
way in, just off Kabelle. Saved muscle and liver sample. LCVP anchored  
about 400 yards off shore; pushed ashore with rubber life raft. Held and  
Lowman diving and taking plankton tows. Bottom profile taken at 60 feet  
and 10 feet with some algae. Sharks became over friendly while at 60 feet  
and when the dive at 30 feet was attempted the sharks were there to meet  
them so cancelled out the 30 foot dive. Plankton tows made with brand  
new nylon nets, one of each mesh size for 15 minutes. Jars with formalin  
were taken ashore, hence plankton was not preserved until about 3 hours  
after being caught.

Taft, Bonham, Seymour survey meter readings with a Beckman MX-5 from  
Rad Safe. Readings one inch from ground both with shield open and closed.  
See top of page for range of values.

Soil samples for NYO taken about 200 yards inland from landing on  
lagoon. A template, circular, diam 9 13/16" and one-half a square foot in  
area was used. First sample was taken in an open area, level ground,  
with sample 1. being the top 3" of soil and 2. the three inches  
immediately below the first sample. Reading before digging was 12&3.5;  
at bottom of digging 8&2. Another sample was taken in a similar manner  
about 20 feet away in a grass area. The readings here were 8 and 2, 0.5  
and 0.2 respectively.

A few small fish were taken by rotenone on ocean side near NE corner of

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DAILY LOG

Locality Rongelap Atoll - Kabelle Island Date 10/21/55 cont.

Personnel - Labaredj " Weather \_\_\_\_\_

Water conditions \_\_\_\_\_

Radiation level(s) Labaredj - range open 11-0.6 m.rep/hr.  
closed 2-0.6 " " "

Operations:

Island. These included small convict surgeon, goat fish, br. sp. grouper,  
iamsel fish and blennies. Prima cord was used at the regular collecting  
area in the channel between the two islands. Big groupers, half beaks and  
miscellaneous fish but not in large numbers were taken. Not as many fish  
as usual were seen here previous to blasting. Lagoon water samples taken.

Coconuts (10-5 for AFL 5 for NYO) were taken from central and north  
central part of Island. Arrowroot from center of Island. Two coconut  
crabs from northern part of Island. Sea cucumbers, spider snails, and  
some algae from lagoon off center of Island. Algae and Tridacna from NW  
corner of Island. 2 fairy terns, 1 noddy tern and 1 fairy tern egg from  
center of I.

A sketch of Kabelle Island showing collecting areas, meter readings, etc.  
has been prepared.

Left Kabelle for Labaredj shortly after 1400.

Labaredj:

Arrived approximately 1500. Beached LCVP in sand at south end of  
Island close to rock ledge. Very good landing area.

Meter readings taken with same instrument and in similar manner as at  
Kabelle. Range of values given at top of page. Other readings listed on the  
sheet showing the sketch of the Island.

Soil samples taken 100 yards inland from lagoon near southwest corner  
of Island. First sample taken in open on level ground; surface readings  
3 & 2 m.rep/hr; at 6" below ground level, 0.5 & 0.08

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FIELD LOG

Locality Rongelap Atoll - Labaredj Date 10/21 con't.

Personnel \_\_\_\_\_ Weather \_\_\_\_\_

Water conditions \_\_\_\_\_

Radiation level(s) \_\_\_\_\_

Operations:

Labaredj con't.

The second sample was taken 15 feet from first sample and from underneath a tree. Reading at ground level 7 & 0.6; at 3" below 1 & 0.3; at 6" below, 0.5 & 0.07.

Fish collecting in lagoon with both Prima cord and rotenone not too successful but a fairly representative sample was obtained. On the way from Kabelle to Labaredj a 30 pound + dogtooth tuna was caught by Mr. Anderson. Saved. While ashore at Labaredj, the boat crew caught a bonito, (Euthynnus yaito), just off Labaredj. Saved.

Algae, clams and spider snails taken in lagoon just north of fish collecting area. Lagoon water samples taken.

Cenobita, 2 coconut crabs captured in northern part of Island in pandanus and coconut tree area. Coconuts (10) from northern part of Island - few palms other than in this area. Arrowroot also in this area. One fairy tern egg from SW part of Island. Birds also collected (terns).

10/22 a.m. Dead fairy tern found on deck before weighing anchor. Saved.

No plankton or deep water sand sample taken.

Sketch of Labaredj showing collecting areas, meter readings, etc. has been made.

Remained at anchorage made this morning as it was too late to move by the time we got back to the LST which was 1800. Placed collection in freezer that H & N had put aboard for our use. Temperature 15<sup>o</sup>F. The Perma Ice in Jugalugs held very well.

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