UNIVERSITY OF WASHINGTON
APPLIED FISHERIES LABORATORY
SEATTLE, WASHINGTON

DAILY LOG

400284

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, damsel 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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ILY LOG

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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 fro 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. Save

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 freeze that H & N had put aboard for our use. Temperature 15°F. The Perma Ice in Jugalugs held very well.

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