

PROPOSED BIOLOGICAL RESURVEY OF RONGELAP ATOLL
DURING MARCH 1963

TESTATIVE SCHEDULE

APPROX. DATE

March

EH 13 MAR
~ 1800
SG+RW 14 MAR
PAN AM Confirmed

16 MAR
2200
Confirmed

15 SEATTLE-HONOLULU (Commercial)

16 HONOLULU

17 HONOLULU - KWAJALEIN (MATS)

18 KWAJALEIN - RONGELAP I., RONGELAP ATOLL
(via UP-1) (If possible schedule arrival at
Rongelap by noon)

19 RONGELAP I.

20 AM RONGELAP I.
PM RONGELAP I. - WEOBIJI I. - ENIAETOK I.
(via local sailboat)

21 ENIAETOK - KABELLE I.
(via local sailboat)
(depart Eniaetok no later than 0800)

22 KABELLE I.
(overflight from Kwajalein to determine all well)

23 KABELLE I.

24 KABELLE I. - RONGELAP I.
(via local sailboat)

25 RONGELAP I. - KWAJALEIN
(via UP-1)
(if possible schedule departure from Rongelap
at 1300)

26* KWAJALEIN - MAJURO

27* MAJURO

28* MAJURO - KWAJALEIN

29 KWAJALEIN - HONOLULU (MATS)

30 HONOLULU

31 HONOLULU - SEATTLE (Commercial)

*Note: If necessary collections could be made on a tight schedule
arriving at Majuro the morning of March 26 and departing the
afternoon of March 27.

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MATS FLIGHTS REQUIRED

(Dates based on tentative schedule)

1. 17 March Hickam - Kwajalein
 4 men
 1000 lbs equipment, supplies, and
 personal gear.

2. 29 March Kwajalein - Hickam
 4 men
 600 lbs equipment, samples and
 personal gear.

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FLIGHTS REQUIRED FROM KWAJALEIN

(Dates based on tentative schedule)

1. 18 March To Rongelap I. Rongelap Atoll
4 men
approx. 1000 lbs equipment and supplies.
Schedule flight to arrive at Rongelap
by 1200 if possible.
2. 21 March Overflight of Kabelle I. Rongelap Atoll
to determine all well.
3. 25 March Pick up at Rongelap I. Rongelap Atoll.
4 men
approx. 700 lbs equipment and samples.
- 4*. 26 March To Majuro
4 men
approx. 300 lbs equipment and supplies.
- 5*. 28 March Pickup at Majuro
4 men
approx. 300 lbs equipment and samples.

*Note: If necessary collections could be made on a tight schedule of arrival at Majuro the morning of March 26 and departing the afternoon of March 27.

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ITEMS TO BE OBTAINED IN HONOLULU OR AT KWAJALEIN

1. FIELD RATIONS - 140 meals
C-rations, K-rations or similar types.
(Notes: No refrigeration will be available. Any cooking will have to be done over an open fire. The number of meals includes rations for 4-man native crew at Kabelle I.).

2. RICE - 50 lbs

3. FRUIT JUICE - 2 cases #10 cans.
(Note: items 2 and 3 will be purchased in Honolulu by field party if not readily available at Kwajalein.

4. FIRST AID KIT (LOAN BASIS) adequate for 4 men to be without access to medical aid for 6 days.
(Note: The work requires digging pits in the soil, and wading and swimming over the reefs, consequently abrasions occur frequently).

5. GROUND TO AIR SIGNAL FLARES (LOAN BASIS)

6. GROUND TO AIR SIGNAL CLOTH (LOAN BASIS)

ITEM NEEDED ON DEPARTURE FROM HICKAM

200 lbs dry ice in MISI BAGS (Misi bags to be returned on return to Hickam)

ITEM NEEDED ON ARRIVAL AT HICKAM FROM KWAJALEIN

25 lbs dry ice.

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FACILITIES AND SERVICES REQUIRED AT KMAJALEIN

(Dates based on tentative schedule)

1. Storage space, secured, lighted, dry, of approx.
100 square feet for use on the following dates:
17-18 March
25-29 March

(Note: One of the hotel rooms would be adequate)

2. Transportation - pick-up truck or equivalent for
hauling equipment, supplies and samples on the
following days: 17-18, 25-26, 28-29 March.

3. Reefer Space - approx. 12 cu. ft. - zero degrees F.
if available but must be below 32°F. Will be
needed 25-29 March inclusive.
(Note: all samples will be individually sealed in
plastic bags and packed in chests).

4. Quarters and rations
4 men on the following nights:
17, 25, 28 March

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OBJECTIVES

1. AT RONGELAP I.

A. COLLECTIONS

1. Food items

a. Village Area

- 1) Ripe coconuts from or adjacent to marked trees
- 2) Pandanus fruit from marked trees
- 3) Breadfruit from marked trees
- 4) Papaya from area behind council house
- 5) Squash where available
- 6) *Goatfish - gill net*

b. Pit 1 area Pandanus fruit

c. Pit 22 area

- 1) Pandanus fruit
- 2) Tacca corms

2. Soils

- a) Pit 1 by 1' increments to 10
- b) Pit 22

3. Insects - repeat collections of 1961 w/emphasis on termites and termite damage

B. Observations and Photographs

1. Pit 22 Fertilizer Plots
2. Coconut hole fertilizations
3. Coconut seedlings (Dwio's plantings)
4. Note new clearings and plantings
5. Check water level in depression area

C. Refertilization of plots where indicated by current results.

D. Earmark suckling pig and arrange for its purchase in August 1963 for Sr⁹⁰ and Cs¹³⁷ analyses.

E. Measurement of marked plants at weather station if time permits.

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II. AT WEOSIJI I. (Island 48)

- A. Observations and Photographs of fertilizer plots and adjoining areas.
- B. Establish new fertilizer plot.
- C. Insects
 - 1) observe damage.
 - 2) collect - especially lepidoptera larvae.

III. ENIANTOK I.

- A. Collections
 - 1) Pandanus fruit (from pits 10 and 11 if possible).
 - 2) Lawrenceia from seaward reef.

IV. KABELLE I.

- A. Collections
 - 1. Food items
 - a. Pandanus (Pit 7 area if possible).
 - b. Ripe coconuts (Pit 7 - cistern area).
 - c. Fairy terns (5).
 - d. Curlews (2).
 - e. Tridacna (3 of one species).
 - 2. Guano (pit 4 and 39 areas).
 - 3. Soils
 - a. Pit 4 by 1" increments to 10"
 - b. " 6 " " " " " "
 - c. Algal crust from pit 6 area.
 - d. Algal crust from sides of main trench.
 - e. Wash areas Messerschmidea area - 1" increments to 10".
- B. Observations and photographs
 - 1. Pit 38 fertilizer plots.
 - 2. Wash area " " "
 - 3. Cistern area " " "
 - 4. Wash area seedlings.
 - 5. Previously marked individual trees and shrubs.
 - 6. General condition of corals in channel area.

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V. MAJURO

A. Collections for comparison with Rongelap samples.

1. Pandanus fruit (5)
2. Birds
 - a. Fairy terns (5)
 - b. Curlews (2)
3. Guano
4. Soils by 1" increments to 10" (number of samples to be determined).
5. Tridacna (5 of same species collected at Kabelle if possible).
6. Birgus (substitute Coenobita if necessary).

B. Discuss arrangements for August 1963 field trip with District Commissioner.

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