

UNIVERSITY OF WASHINGTON  
APPLIED FISHERIES LABORATORY  
FISHERIES CENTER  
SEATTLE 5, WASHINGTON

November 12, 1954

Dr. John Harley  
United States Atomic Energy Commission  
New York Operations Office  
Health and Safety Laboratory  
107 West 62nd Street  
New York, New York

Dear Dr. Harley:

Enclosed are two pages of information regarding samples of coral and sea water collected and sent to your laboratory via air express from Eniwetok in late October, and on fish tissues from specimens taken in the vicinity of the crater October 27, being sent by air mail under separate cover.

Very truly yours,

*Kelshaw Bonham*  
MC  
Kelshaw Bonham  
Research Associate

KB:mc

cc: Dr. Paul Pearson  
enc.

Box = "HARDY FILES, 1951-1963"  
Folder labelled  
"Pacific Waters & Coral" 1954

5002311

*ufes*

Coral and sea water collected at Eniwetok Atoll, October 21, 1954

Coral collections (one half gallon)

<u>Island</u>	<u>Inside*</u>	<u>Outside*</u>
Henry	Acropora	Acropora
Leroy	Acropora	Acropora
Alice	Porites and Pocillopora	Porites and Heliopora
Olive	Acropora	Acropora
Vera	Acropora	Acropora
Bruce	Acropora	Acropora and Pocillopora

One half gallon of coral was collected from each location and put into one-gallon cans. The coral was rinsed with fresh water before sending.

Sea water was collected in five-gallon tins, filled to the top, from each of the coral collection locations.

Total: 12 cans of coral  
12 five-gallon tins of sea water

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\* Inside = in the lagoon; Outside = on the outer reef

Fish tissues for analysis \*

1. Black tip shark, Carcharhinus melanopteras, round weight ~ 700 grams, length ~ 18", from Clara, Eniwetok Atoll, October 27, 1954

Sampled

- M-493 a. Skin from most of body, except head and some fins, dried at 95°C  
M-494 b. Muscle from most of body, dried at 95°C  
M-495 c. Vertebral column, entire, dried at 95°C  
M-496 d. Liver, entire, ashed at 350°C  
M-497 e. Gut, entire, dried at 95°C

2. Black tip shark, Carcharhinus melanopteras, round weight ~ 500 grams, length ~ 17", from Edna, Eniwetok Atoll, October 27, 1954

Sampled

(Same as for "1" - shark from Clara)

A - M-488  
B - M-489  
C - M-490  
D - M-491  
E - M-492

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\* One half of each of these samples was sent to the New York Operations Office for analysis

# PACIFIC SAMPLES

Type: water and coral

no. of samples received: 12 water  
12 coral

Sampling date 10-21-54

date rec'd. 11-16-54

Origin Eniwetok

Source Dr. Lauren R. Donaldson

Sample #	Type	Description
599	water	Alice outside ✓
600	"	" lagoon ✓
601	"	Bruce outside ✓
602	"	" lagoon ✓
603	"	Henry outside ✓
604	"	" lagoon ✓
605	"	Le Roy outside ✓
606	"	" lagoon ✓
607	"	Olive outside ✓
608	"	" lagoon ✓
609	"	Vera outside ✓
610	"	" lagoon ✓
611	coral	Alice outside ✓
612	"	" lagoon ✓
613	"	Bruce seaward ✓
614	"	" lagoon ✓
615	"	Henry outside ✓
616	"	" lagoon ✓
617	"	Le Roy outside ✓
618	"	" lagoon ✓
619	"	Olive outside ✓
620	"	" lagoon ✓
621	"	Vera outside ✓
622	"	" lagoon ✓