

UNIVERSITY OF WASHINGTON
APPLIED FISHERIES LABORATORY
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August 27, 1956

MEDICINE, HEALTH & SAFETY - 7

Dr. John H. Harley, Chief
Analytical Branch
Health and Safety Laboratory
United States Atomic Energy Commission
New York Operations Office
70 Columbus Avenue
New York 23, New York

Dear John:

Enclosed are the tables listing the tissues from the samples
our group collected at Rongelap after the last test series.

We have retained a portion of the material for analysis and
mailed the remainder on to you as requested by Dr. Dunham.

The second marine survey is about ready to leave Eniwetok,
so we will be flooded with more samples during the next month.
Some day we must take time out to find out what happened.

Sincerely yours,

Lauren R. Donaldson

Lauren R. Donaldson
Director

LRD:mc

Encls.

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FILE COPY
RETURN TO FILE & RECORDS

5002345

Plant Tissues for Radiochemical Analysis

Spec. No.	Date Collec.	Atoll	Island	Species	Tissue	Weight in gms Wet
✓ R0-2	7/23/56	Rongelap	Rongelap	Papaya	seeds	24.0
✓ "	"	"	"	"	"	32.1
✓ R0-22	"	"	"	"	fruit	173.0
✓ R0-1	"	"	"	Breadfruit	meat	235.0
✓ R0-16	"	"	"	Pandanus	fruit	98.2
✓ R0-8	"	"	"	Morinda	pulp & seeds	83.4
✓ R0-12	"	"	"	Arrowroot	corm	109.0
✓ R0-6	"	"	"	Coconut	meat	133.0
✓ R0-7	"	"	"	"	milk	82.0
✓ R0-20	7/24/56	"	Kabelle	"	meat	200.0
✓ R0-21	"	"	"	"	milk	39.2

0.53
✓

Fish Tissues for Radiochemical Analysis

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Spec. No.	Date Collec.	Atoll	Island	Species	Tissue	Weight in gms		Conversion factor, dry to wet wt.
						Wet	Dry	
F-266a	7/23/56	Rongelap	Rongelap	Reef fish	Muscle	139.8	30.55	4.58
F-266b	"	"	"	" "	Bone	19.6	9.38	2.09
F-266c	"	"	"	" "	Liver	10.3	2.48	4.16
F-314a	7/24/56	"	Kabelle	" "	Muscle	103.8	22.93	4.53
F-314b	"	"	"	" "	Muscle	115.7	24.77	4.67
F-314c	"	"	"	" "	Bone	25.8	11.32	2.28
F-314d	"	"	"	" "	Liver	10.3	2.87	3.59

OK ✓

Invertebrate Tissues for Radiochemical Analysis

5002347

Spec. No.	Date Collec.	Atoll	Island	Species	Tissue	Weight Wet	in gms Dry	Conversion factor, dry to wet wt.
I-9	7/23/56	Rongelap	Rongelap	<u>Holothuria atra</u>	Gonad	15.9	1.82	8.74
I-10	"	"	"	"	Gut and content	13.5	6.86	1.97
I-11	"	"	"	"	Integument	49.6	6.45	7.68
I-12	7/24/56	"	Kabelle	<u>Tridacna gigas</u>	Mantle	20.9	2.10	9.94
I-13	"	"	"	"	Muscle	12.5	2.80	4.46
I-49c	"	"	"	<u>Cenobita</u> sp.	Liver			2.44
I-49a	"	"	"	" "	Muscle			4.03
I-49b	"	"	"	" "	Skeleton			1.44
I-50b	"	"	"	" "	Liver			2.44
I-50c	"	"	"	" "	Muscle			4.03
I-50a	"	"	"	" "	Skeleton			1.44
I-51	"	"	"	" "	"			1.44
I-52	7/23/56	"	Rongelap	" "	"			1.44