

US DOE ARCHIVES	
326 US ATOMIC ENERGY COMMISSION	
RG	
Collection	DBM
Box	326-78-3, Box 3
Notes	MP+A 7-6 1954 Rad. Exposures Jap. Fishing Trade, March-June 1954

26393



ES:AL

May 24, 1954

Dr. Kokuro Kobayashi, Director
National Institute of Health
Welfare Ministry
Tokyo, Japan

Dear Dr. Kobayashi:

The most recent shipment of 60 urine samples from the MIYAZU ISLAND fishermen have been received in our laboratory and have been assayed for radioactivity.

When this shipment was received, we found that 7 bottles had been broken in transit. Moreover, the urine from the broken bottles had washed the labels off 6 additional samples. Because of this, we are able to report on only 47 samples of the 60 urines you submitted to us.

The analyses were performed by precipitating the mixed fission products with calcium oxalate. Thus, although the reported activities include certain naturally occurring radionuclides, Potassium is excluded by the procedure used.

For purpose of comparison I am also attaching the analysis of five casual samples collected from unexposed individuals in our laboratory. You will note that some of the samples from the fishermen are of the order of normal background.

The results at this time are consistent with the results reported on Masuda and Yamamoto over a month ago, but appear incompatible with the high levels reported for Takagi and others in my letter of May 14.

It would be desirable to repeat the analysis again and we will be more than happy to receive another complete set of urines for this purpose. I am sure that you and your associates are comforted by the accumulating evidence that only minimal deposition of radionuclides occurred in the fishermen.

Respectfully yours,

Verril Lisenbud, Director
Health and Safety Laboratory

Enclosures:

Analyses

cc: Dr. H. Nakaitzumi

✓ Dr. John Bugher, Div. of B&M, Wash. AEC

DOE ARCHIVES

<u>NAME</u>	<u>DATE</u> <u>SAMPLED</u>	<u>d/m/l*</u>	<u>NAME</u>	<u>DATE</u> <u>SAMPLED</u>	<u>d/m/l*</u>
ANDO, Saburo	4/21/54	110	HISAKI, Yoshio	4/21	48
HIRADA, Chiro	4/19/54 3/28/54	100 57	MITSUKI, Susumi	4/19 4/14 3/28	74 33 150
MIHAI, Isamu	4/19/54 4/14/54 3/28/54	98 140 120	GIKKI, Tatsushichi	4/19 4/14 3/28	59 120 37
HOSHINO, Hisao	4/19/54 4/14/54	120 160	SHITO, Akira	4/19 4/14 3/28	110 130 120
IKEDA, Masao	4/19/54	26	SUZUKI, Hisakichi	4/14	99
KAMAKURA, Masayoshi	4/19/54 4/14/54 3/28-29	140 160 140	SHIBUYI, Shinzo	4/21/	130
KOSAKA, Hiroshi	4/19/54 4/14/54 3/28/54	67 120 160	SHIMIZU, Takashi	4/19 3/28	62 110
KUBAYAMA, Aikichi	4/19/54 4/14/54 3/28/54	43 110 61	TAKEDA, Kanoshige	4/21	22
KUBAYAMA, Chiro	4/19/54 4/14/54 3/28/54	56 82 120	TSUTSUMI, Hisakichi	4/19 3/28	59 100
KUSUDA, Kyonosuke	4/19/54 3/28/54	62 240	YAMAMOTO, Tadashi	4/21	74
MARUDA, Sanjiro	4/21/54	160	YAMAMOTO (label obliterated)	?	85
MARUDA, Yuichi	4/19/54	85	YOSHIDA, Katsuo	4/19 4/14 3/28	82 110 49

*These results are given as of the day of counting either May 19 or 20.
The standard deviation for the counting times used is approximately 30 d/m/l.

REC - LABORATORY PERSONNEL

J.A.	82 d/r/1
G.V.	8 d/l/1
H.H.	37 d/r/1
J.D.	0
J.K.	20 d/r/1

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