

國立臺灣大學附設醫院
NATIONAL TAIWAN UNIVERSITY HOSPITAL
TAIPEI, TAIWAN, CHINA

404989

June 11, 1954

Dr. Edith H. Quimby
College of Physicians and Surgeons
Columbia University
West 168 St.
New York, N. Y..

Dear Dr. Quimby,

BEST COPY AVAILABLE

Please remember me as your student in 1947 when I took the course of physics of Radiology in your class. Thanks to your pronounced lectures I have ever since been deeply interested in Radiology. I assume you must have heard what had happened in Japan regarding the radio-active isotopes contaminated fishes caught in West Pacific after U. S. test of Hydrogen Bomb. Unfortunately in Taiwan fishes have also discovered the same effect by Japanese. Please allow me to give you some informations from Japan and beg to request your opinion on our problems if you will kindly note the following details and respond with your valuable instructions.

On June 1, 1954-

Out of 5,000 lbs. of Tuna Fish, 550 lbs. were contaminated.

When observed with a Geiger Counter, they recorded 571 counts per minute.

Caught from end of April to end of May in

Latitude N-23° 14"

Longitude E-124° 16"

2,100 lbs. of Sword Fish and Dorado were examined and found 25-1,600 counts/min. by Geiger Counter.

On May 4th - 13th Sword Fish were placed at 10 cm. distance,

record showed 140-170 counts/min. & 180-200 counts/min.

Even the vessel were recorded for 200 counts/min.

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As a conclusion a few question rose in my mind which I have been in one way or another unable to solve. They are :-

- 1) Since the explosion of H-Bomb in March until end of May say around 20 days, what isotopes could be produced by the explosion and lasting this long?
- 2) How can we in the safest way dispose of the contaminated fishes?
- 3) Of all the fishes contaminated to what degree they are harmful to be eaten?
- 4) Could you please recommend what instruments could be used and should be used for survey and for study.
- 5) In what length of time we should do this survey and study?

I would feel much obliged if you will kindly help us to resolve these questions.

Thanking you in advance, I remain,

Your respectfully,

Lan-Chang Chiang
Lan-Chang Chiang M.D.

Department of Radiology

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