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NOV 8 1965

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SUMMARY OF DETECTION OF THYROID MODULES IN MARSHALESE NATIVES FOR
MARCH 1, 1954

OS:NEES:TFM

Heavily Exposed Group - Rongelap

175 rads whole body dose.

Thyroid dose from ^{131}I - 150 rads by urine analysis, adults
100 rads by analysis of animal and human urine
160 rads recent recalculation for adults
700-1400 rads estimated for 3-4 year olds.

1963 (9th year) - Small nodule first detected in one girl.

1964 (10th year) - Detected nodules in two more girls for a total of three. Two were age 13 and one 14. Operated on all three. Nodules not malignant. Two doing well on thyroid replacement therapy. One showed signs of hypoparathyroidism, developed rheumatic fever, responded well to therapy. The total population was 64 with 29 children.

April 1, 1965 (11th year) - Detected three more cases; one boy 12, one boy 17, one woman 41. Operated on all three. There was then a total of six cases with 9% incidence for the total population and 17% incidence for children less than 18 at time of exposure.

October 6, 1965 (letter from Conard to Goding) - Detected five additional cases among Rongelap and Ebeye people. Detected five other cases where thyroid felt roughened. Found two cases of retarded growth in boys caused by hypothyroid state.

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Less Extensively Exposed Group* - Ailingnae

69 rads whole body dose.

1965 (11th year) - No cases in 18 people.

*Note: There were no cases in 190 unexposed natives including 75 children.

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