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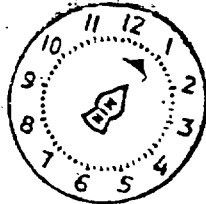
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INFO ZEN/LT COL JAMES T BRENNAN ARMY MEDICAL SERVICE GRADUATE SCHOOL
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BY AUTHORITY OF DOE/OC
Reviewed by Carl Wilson 8/16/83
J. Diaz 10/16/85

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PAREN PAGE ONE OF TWO PAGES PAREN FOR ALVIN GRAVES CMM PASS TO E PD
P PD CRONKITE FM THOMAS L SHIPMAN PD PRESENT STATUS OF RESULTS OF URINE
ANALYSIS OF RONGELAAP NATIVES AND AIR WEATHER SERVICE PERSONNEL ARE
AS FOLLOWS CLN INITIAL TOTAL BODY DOSE OF IODINE ONE THREE ONE APPEARS
TO BE ABOUT FIVE ZERO MICROCURIES ACCOMPANIED BY SHORTER LIVED IODINE
ISOTOPES ENERGETICALLY EQUIVALENT TO ABOUT FIVE MILLICURIES OF IODINE
ONE THREE ONE AT THE TIME OF UPTAKE PD THE ESTIMATED TOTAL INTEGRATED
DOSE TO THE THYROID CMM ASSUMING TWO ZERO PER CENT UPTAKE OVER ABL
PERIOD OF TWO FOUR HOURS ANXD APPROPRIATE REDUCTION IN DOSE OF VERY
SHORT LIVED IODINE ISOTOPES IS ABOUT ONE THREE ZERO REP OF WHICH
FIVE ZERO PER IS FROM IODINE ONE THREE ONE. THE ESTIMATED BODY

17

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BURDENS OF OTHER NUCLES ARE AS FOLLOWS CLN PL IUM LESS THAN
ONE TENTH OF THE ACCEPTED MAXIMUM PERMISSIBLE AMOUNT PAREN PERHAPS,
ABOUT ZERO POINT ZERO TWO MICROGRAMS PAREN PD STRONTIUM EIGHT NINE
ABOUT ONE MICROCURIE PD BARIUM ONE FOUR ZERO ABOUT TWO MICROCURIES PD
RUTHENIUM ONE ZERO THREE ABOUT ZERO POINT ZERO FIVE MICROCURIES PDI
PARA THE ESTIMATED NUMBER OF FISSIONS INHALED AND SLANT OR ICGESTED
ARE PAREN END OF PAGE ONE PAREN

PAGE TWO

AS FOLLOWS CLN BASED ON IODINE ONE THREE ONE THE VALUE IS FIVE TIMES
TEN TO THE THIRTEENTH FISSIONS PD BASED ON STRONTIUM EIGHT NINE THE
VALUE IS ONE TIMES TEN TO THE THIRTEENTH FISSIONS PD BASED ON BARIUM
ONE FOUR ZERO THE VALUE IS ONE TIMES TEN TO THS THIRTEENTH FISSIONS PD
PARA IN ORDER TO GET BODY BURDENS FROM THE ABOVE VALUES IT IS NECESSARY
TM APPLY APPROPRIATE RETENTION FACTORS PD PARA THE AIR WEATHER SERVICE
PERSONNEL SEEMED TO SHOW VALUES WHICH ARE CONSISTENTLY ONE TENTH OF
THOSE GIVEN FOR THE RONGELAAP NATIVES FOR ALL ACTIVITIES MENTIONED
ABOVE PD REF HOW RYPHEN ONE ONE TWO PD END OF MESSAGE

13/2140Z APR 54

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