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September 3rd 1946

To: Commander Harris
Bikini CTG 1.2
Radsafe P.A.C.

Through: Bodnarkey
Glen Court Four One Six Seven
Oakland Army Base

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A-640

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The following is a report on samples sent to W. Langham, Los Alamos from Radsafe, Bikini:

Sample from U.S.S. Skate - Periscope mast - nineteenth July nineteen hundred forty-six. W. A. Loeb by request of Commander Harris:

Beta Disintegration - Nine Million One Hundred Thousand
Alpha Disintegration - Eighteen Hundred and Thirty
Beta to Alpha Ratio - Five Thousand

Mine Cable Cutter C. 2.5 mc per hour. .035 R per day:

Beta Disintegration - Ninety-Three Thousand Four Hundred
Alpha Disintegration - Twenty-Eight
Beta to Alpha Ratio - Three Thousand Five Hundred

Frame One Hundred and Twenty B. .5 mc per hour. .013 R per day:

Beta Disintegration - Nine Thousand One Hundred and Sixty
Alpha Disintegration - Zero

Navigation Deck - Gun Mount Shield. 3.5 mc per hour. .045 R per day:

Beta Disintegration - One Hundred Eighty Two Thousand
Alpha Disintegration - Fifty
Beta to Alpha Ratio - Three Thousand Six Hundred

Base of five inch Gun aft A. .8 mc per hour. .02 R per day:

Beta Disintegration - One Hundred Fifteen Thousand
Alpha Disintegration - Fifty
Beta to Alpha Ratio - Twenty-Three Hundred

Sample Number Three. Paint from Port Side - Port hole Number one five inch mount. Wainwright:

Beta Disintegration - Five Hundred
Alpha Disintegration - Zero

Vertical handwritten notes on the left margin, including "5-11-78" and "C. E. G. 3".

Vertical stamp: "Classification changed to by Authority of the U.S. Atomic Energy Commission" with handwritten signatures and dates.

REPOSITORY LOS Alamos NAT LAB
COLLECTION
BOX No. TR 5787
FOLDER Operation Crosslock

Classification changed to authority of the U.S. Atomic Energy Commission
Signature of person making the change, and date
R. D. Kasher 11/15/61
M. J. Trefler 12/1/61

This material contains information affecting the national defense of the United States within the meaning of the espionage laws of the United States and the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.
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Number one Sample - Deck Skid Tread - Wainwright. FR twelve. Port Forecastle:

Beta Disintegration - Three Thousand Eight Hundred and Thirty
Alpha Disintegration - Zero

Sample of rust, paint, a wooden deck from weather decks of U.S.S. Parche:

Beta Disintegration - One Hundred Eighty-Four Thousand
Alpha Disintegration - Twenty-Eight
Beta to Alpha Ratio - Sixty Six Thousand

Sea Raven - Frame One Hundred and Five. Superstructure - Access Hatch:

Beta Disintegration - Fifty-Three Thousand
Alpha Disintegration - Thirty-Eight
Beta to Alpha Ratio - Fourteen Hundred

Sea Raven. Paint taken from amidships. Frame One Hundred and Five:

Beta Disintegration - One Hundred and Thirty Thousand
Alpha Disintegration - Twenty-Three
Beta to Alpha Ratio - Five Thousand Six Hundred

U.S.S. Wainwright (DD four one nine) August Eighteenth. Radsafe Samples:

Beta Disintegration - Nine Hundred and Twenty Thousand
Alpha Disintegration - Two Hundred and Sixty-Three
Beta to Alpha Ratio - Three Thousand Five Hundred

Sample Number Two. Paint Sample from Number one Five Inch Turret - Wainwright:

Beta Disintegration - Thirty Thousand Six Hundred
Alpha Disintegration - Twelve
Beta to Alpha Ratio - Two Thousand Five Hundred

Sample Number Four. Fourth Port, aft, port side Forecastle OK (Supply office)
Wainwright:

Beta Disintegration - Zero
Alpha Disintegration - Zero

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