

DECLASSIFIED
E.O. 12958, Sec. 3.3

NW 972006A
By pm LJA Date 7/25/05

411892

~~SECRET~~

April 14, 1954

AEC 597/44

COPY NO. 1

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ATOMIC ENERGY COMMISSION

CASTLE PLANNING

Note by the Secretary

The attached letter from Dr. W. F. Libby is circulated for the information of the Commission. A meeting to discuss this matter with Drs. Libby and Rabi has been scheduled for 10:45 a.m., Friday, April 16, 1954.

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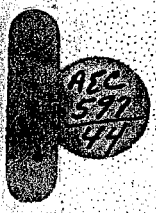
ROY B. SNAPP
Secretary

BOX No. 208 CLASSIFIED
FOUNDER #4 MRA-7 CASTLE

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1. DETERMINATION (CIRCLE NUMBER(S))	2. CLASSIFICATION (CIRCLE NUMBER(S))
3. CLASSIFICATION CHANGED TO:	4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED	6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):	
1ST REVIEW DATE: <u>06/19/02</u>	
AUTHORITY: <u>EO 12958, Sec. 3.3</u>	
NAME: <u>William H. Brock</u>	
2ND REVIEW DATE: <u>10/18/02</u>	
AUTHORITY: <u>ADG</u>	
NAME: <u>W. Brock</u>	

WITH ATTACHMENTS/ENCL.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY:	1. TERMINATION (CIRCLE NUMBER(S))
<u>DOE ORDER 5650.2B</u>	2. CLASSIFICATION RETAINED
REVIEWER (ADG):	3. CLASSIFICATION CHANGED TO:
<u>C. R. Kiser</u>	4. CONTAINS NO DOE CLASSIFIED INFO
DATE: <u>5-24-95</u>	5. COORDINATE WITH:
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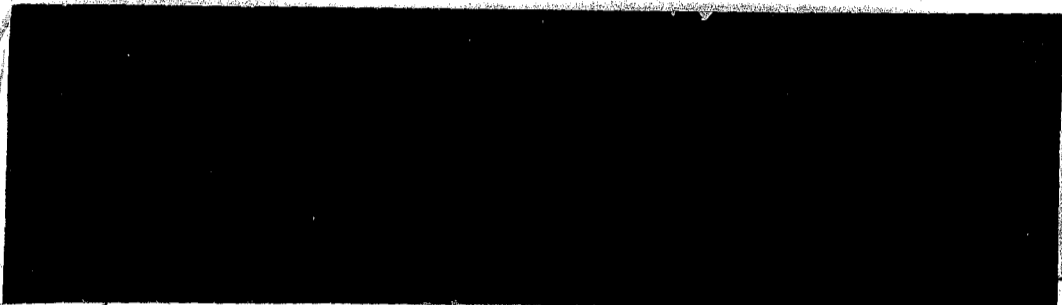
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GENERAL ADVISORY COMMITTEE
TO THE
U. S. ATOMIC ENERGY COMMISSION
WASHINGTON 25, D.C.

April 2, 1954

Mr. L. L. Strauss, Chairman
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Strauss:



DOE
(154)

After careful studies -- Rand Corporation Project Sunshine-Aureole -- one is left at a nearly complete loss when he attempts to predict the effect of changing the base on which one of the large thermonuclear weapons is fired from coral to sea water. The study has only given us greater humility, has made us more dependent than we initially were on experimental observation.



DOE
(6.1(a))

Therefore we are likely to be unable to deduce in the next few weeks whether water serves better than coral or worse than coral in the sense of removing the lethal fission products and carrying them into the sea before they reach the great continental land masses.

Under these conditions I would recommend that you consider making no further shots on barges over water in the present series. If it is essential to do so, an attempt should be made to place

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the rafts over as shallow water as possible so the greatest approach to coral sub-stratum can be made, [REDACTED]

DOE
6/1 (a)

Most respectfully yours, I remain

Sincerely,

/s/

W. F. Libby

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E.O. 13526, Sec. 5.3

NW: 9720064
By DM LC Date 7/25/05