

Office Memorandum • UNITED STATES GOVERNMENT

TO : Memorandum for Record
FROM : Lt. Colonel William R. Sturges, Jr.
SUBJECT: TRIP TO ENIWETOK ATOLL, NOVEMBER 7, 1952 THROUGH NOVEMBER 18, 1952
Symbol: MAT:WRS

DATE: November 19, 1952

GEN FIELDS
✓ Capt. HAYWARD A 12/10/52
Col. ARMSTRONG U 11-20
Dr. Fine PCF 11-19

102533

BUDGET INFORMATION

Several questions of budget justification were taken out to Eniwetok to obtain answers for use in defending some of the permanent construction at Parry and Eniwetok Islands requested in the FY 1954 budget. Attached is a copy of the Memorandum from Mr. Paul Spain to Mr. James E. Reeves, SFOO, answering in part these questions. There are several pictures of interest submitted and on file in Test Section ^{for} to those interested.

TEST PROGRAM FOR CASTLE

1. A conference was held on Parry Island on November 14, 1952 attended by the following persons:

- General Clarkson
- General Wise
- General Fields
- General Walk
- Dr. Graves
- Mr. Kraker
- Mr. Burriss
- Colonel Sackton
- Colonel Cowart
- Captain Pahl
- Mr. Spain
- Lt. Colonel Sturges

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At this conference the scope of CASTLE was discussed. At the moment it was decided that a total of five ground shots was to be fired, with the fifth shot to be very simple in nature with only radio-chemistry and ball-of-fire measurements on yield. Only if this fifth shot were that simple could more than four be fired at CASTLE. Dr. Graves made a very good point when he stated that only ten months remained before the first shot in CASTLE and that it was possible for Mr. Spain to build only at a certain rate and to spend money only at a certain rate.

CLASSIFICATION CANCELLED *
WITH DELETIONS
BY AUTHORITY OF DOD/OS

J. Diaz 4/13/87
APPROVED BY [Signature] DATE 4/25/87

* w/o Encl.

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DELETED VERSION ONLY

[REDACTED]
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With five shots in the program, site selection was made difficult whereas no difficulty was foreseen if only four shots were planned.

2. The program of tests as it appears now is as follows:

- a. Case test -- On Runit --- Tower -- 100 KT. LASL
- b. On Eberiru -- Tower -- 250 KT. LASL
- c. **DELETED** Bikini -- Cab -- 1-5 MT. UCRL
- d. **DELETED** -- using barge over crater for MIKE --
1-4 MT. LASL
- e. Atoll -- using reef on western side of Eniwetok
-- 1 MT. LASL

This gives LASL four tests in CASTLE and UCRL one test. Note that both [REDACTED] will be fired at Eniwetok during the latter part of the series. Placing [REDACTED] this far back in the series will allow a little more time to accumulate sufficient Lithium Six. It was quite apparent that if two megaton devices are to be fired at Eniwetok in future operations, one of these two must be fired on a barge over water on the reef or over a previous crater. This technique means that experiments connected with the device mounted on a barge must be conducted remotely. Firing of the Mike-type devices at Eniwetok can be done from a bunker on Parry.

TASK FORCE ORGANIZATION

It was agreed that Mr. Paul Spain would be CTG 132.5 for CASTLE. Colonel Cowart is drawing up the organization chart including the fifth task group. Division of Military Application comments to the Task Force will show this change in its comments on the Draft Operations Plan for CASTLE.

FUNDS TRANSFER REQUEST

DOE ARCHIVES

Santa Fe Operations will send in a request for permission to change costing of the cryogenics facilities at Parry from permanent construction to operations construction. This amounts to approximately \$1.1 million. These facilities were constructed for IVY and it appears that they will not be used further.

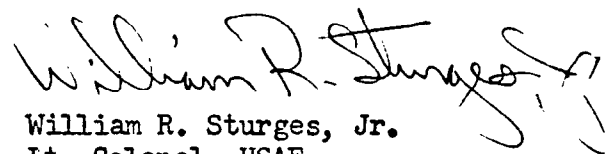
[REDACTED]



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KING SHOT

The explosion was very impressive. After a delay of three days the shot was fired in good weather and results were reported excellent. Preliminary yield information was 400-440 KT. Of interest is the reported fact that W-Division predicted 425 KT. and T-Division predicted 525 KT. The effects of the shot on the atoll are curiously almost identical to that experienced from MIKE. See paragraph 3 of Spain's memorandum to Reeves.



William R. Sturges, Jr.
Lt. Colonel, USAF
Division of Military Application

Enclosure:
Cy Memo dtd 11/15/52 fr. Mr. Reeves
to Mr. Spain.

DOE ARCHIVES



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INCOMPLETE DOCUMENT REFERENCE SHEET

The archive copy of this document is incomplete.

Pages missing _____

Enclosures missing Cy Memo DTD 11-15-52 fr. MR. Reeves
TO MR. SPAIN

Attachments missing _____

Other _____

Dick Koogle

signature

3-24-88

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