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FINAL REPORT BY THE COMMANDER, JOINT TASK FORCE SEVEN

to the

I/1991

JOINT CHIEFS OF STAFF

ARMED FORCES PARTICIPATION IN THE 1954 NUCLEAR AND

THERMONUCLEAR EXPERIMENTAL WRAPON AND DEVICE TESTS

(OPERATION CASTLE)

References: g. J.C.S. ____ Series
b. J.C.S. ___ Series

I. THE PROBLEM

(J-3 will state the problem)

II. DISCUSSION

(This section will be attached as an inclosure; See INCLOSURE for details)

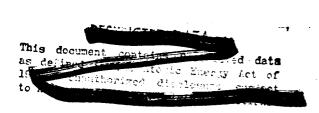
III. CONCLUSIONS

(Each staff division will submit conclusions, based on the material submitted by the respective staff division and contained in other sections of the report).

IV. RECOIDENDATIONS

(Each staff division will submit recommendations, based on the material submitted by the respective staff division and contained in other sections of the report).

BEST COPY AVAILABLE







J-91- JN-1484

S-87-54-E-1





Inclosure

DISCUSSION

INTRODUCTION (Propaged by 3-3 - approximately 200 words)

<u>PETCHATIONS</u> (Prepared by 5-3 - appreximately 350 words for each weepon or device)

BRAYO Device

a. Objective of detenation.

b. General description (size, weight and major components).

e. Gritical materials.

4. Operation.

e. Tield.

MOTION

f. Remarks (significance of design features, diagnostic tests, probability of production with weapon configuration, stockpile potentialities, etc.).

YANKEE

ECHO

HECTAE

ROMEO

KOON

Same information as that required for REAVO device, above.

EXPERIMENTAL AND TECHNICAL MEASUREMENTS PROGRAMS

(Prepared by J-3 - approximately \$000 words. Will include object, method and general results. This will be a brief summary of each program. Detailed material will be included in Appendix "A").

(Brief Introduction - approximately 100 words)

Program 1 - Blast and Shock Measurements

Program 2 - Muclear Miscus

Program 3 - Structures

Program 6 - Test of Service Equipment and Operation

Program 7 - Long Range Detection

Program 11 - Radiochemistry

Program 12 - Reaction Ristery





Progress 13 - Photography

Program 14 - External Newtron Measurements

Program 15 - Alpha Measurements

Program 16 - Games and Residual Contamination

Progress 17 - Microberography

Program 16 - Thermal Radiation

Program 19 - Marine Survey

Program 21 - Radiochemistry

Program 22 - Ristory of The Reaction

Program 23 - Scientific Photography

Program 24 - External Meutron Measurements

Program 25 - Diagnostie Developments

OPERATIONS (Propered by J-3 - approximately 3500 words total).

Organization and Compand Relationships

Planning and Training

On-Site Operations and Rebearwals

Operations Afloat

Evacuation (Bikini)

Post-Shot Re-entry

Disposition of Porces and Equipment

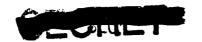
Search and Besone

Yeather

Padiological Safety

Photography





Official Observers

Hostile Action Alert Plan (to be included only in event of typhoon, tidal wave, etc.).

Natural Disaster Defense Plan

COMMUNICATIONS AND KLECTRONICS (Propared by 5-5 - approximately 500 words).

Brief Introduction

Communication's Security

Command Communications

Scientific Electronics

Test Measurement Communications

Firing Circuits

Timing Signal Net

SECURITY (Prepared by J-2 - approximately 300 words).

Intelligence

Security

Public Information

LOGISTICS (Prepared by J-1 - approximately 800 words).

<u>Transportation</u> (To include inter and intre-atoli air and surface transportation).

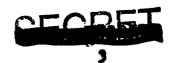
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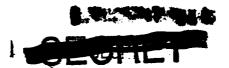
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Mintenance

Medical and Health Facilities (Hospitalization, samitation, etc.).

PERSONNEL AND ADMINISTRATION (Frepared by 3-1 - approximately 200 words).





FINANCE AND FISCAL MATTERS (Prepared by Comptroller - approximately 400 words).

<u>EXPORTS</u> (Prepared by J-3 - approximately 150 words. Will include infe on forthcoming technical reports, histories, etc.).

APPENDICES

- A Experimental and Technical Measurements Programs. (J-3)
- B Chart Organization for Operation CASTIE. (J-3)
- C Chart Organization and Mission JTF SAVEN. (J-3)
- D Chart Organisation and Mission Scientific Task Group. (J-3)
- E Chart Organisation and Mission Army Task Group. (J-3)
- F Chart Organization and Mission Maval Task Group. (J-3)
- G Chart Organisation and Mission Air Force Task Group. (3-3)
- H Chart Organisation and Mission ANC Base Facilities Task Group. (J-3)
- I Endiological Safety. (J-3).
- J Chart Communications. (J-5)
- K Chart Communications. (J-5)
- L Chart Logistical Support (Air and Surface). (5-4)
- M Financial Statement (Extra Military Funds). (Compt)
- H Financial Statement (Research and Development Funds). (Compt)
- 0 Chart Overall Cost (Operation CASTLE). (Compt)

