LAMD-886 I

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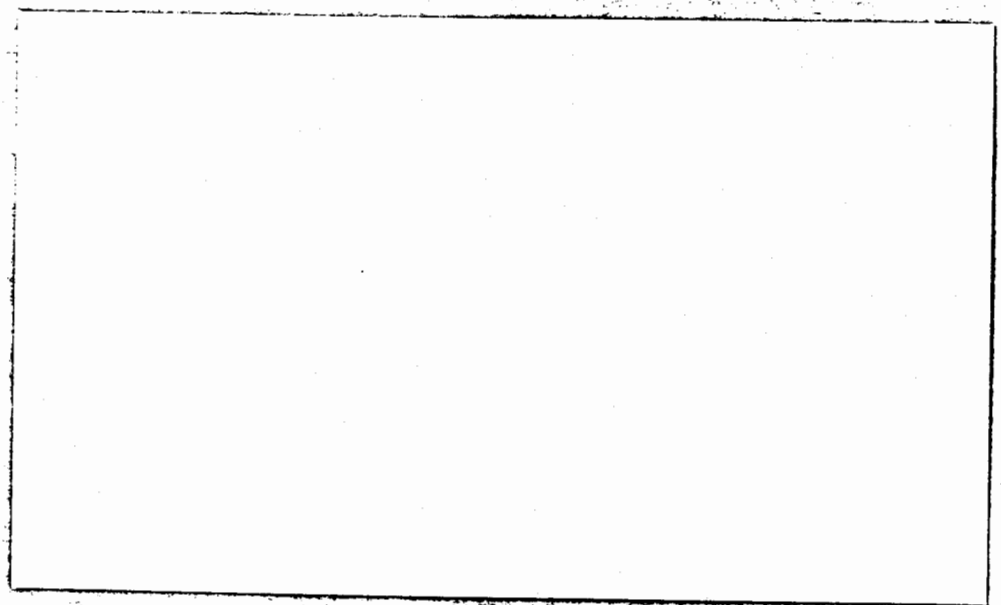

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW DATE: 10/22/96
AUTHORITY: CLASS DADC DADD
NAME: [signature]
2ND REVIEW DATE: 1-27-97
AUTHORITY: ADD
NAME: Carpenter

DETERMINATION (CIRCLE NUMBER)
(1) CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY):

Date

Weapons Family

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Oct 18

[redacted]

This document consists of [illegible] pages
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Symbol: ADWD-3-24

Group Ref: TMG-M2

LAMD-886

October 19, 1951

WD- Family

T-0530

MINUTES OF THE SECOND MEETING OF THE THEORETICAL MEGATON GROUP

11 October 1951

1. The second meeting of the TM Group was held on 11 October 1951 at 10:00 AM in Room Gamma-251. Those present were

W. Bouricius
A. A. Broyles
B. E. Freeman
R. L. Garwin
R. W. Goranson
F. C. Hoyt, Acting Chairman
J. L. Tuck
R. M. Landshoff
C. L. Longmire
H. L. Mayer
L. W. Nordheim
R. D. Richtmyer
E. Teller

DOE
b(3)

[redacted]

DOE
b(3)

It would be desirable to have available materials with broad absorption resonances in the region below one kev. Unfortunately, resonances at these energies are scattering rather than absorption.

[redacted]

DOE
b(3)

Initial conditions assume a uniform deuterium density and a uniform fuel temperature and density. Losses are approximated for outflow of radiational energy and expansion of the object.

[redacted]

DOE
b(3)

DOE
b(3)

Results of yield in megatons obtained for pure D are as follows:

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DOE
b(3) 1

DOE
b(3)

R. W. Goranson

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Distribution:

1A - H. H. Barschall
2A - W. Bouricius
3A - N. E. Bradbury
4A - B. G. Carlson
5A - F. de Hoffmann
6A - B. E. Freeman
7A - D. K. Froman
8A - R. W. Goranson
9A - M. G. Holloway
10A - F. C. Hoyt
11A - E.R. Jette
12A - R. M. Landshoff
13A - R. B. Lazarus
14A - C. L. Longmire
15A - J. C. Mark
16A - L. W. Nordheim
17A - L. G. Peck
18A - R. D. Richtmyer
19A - P. R. Stein
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21A - Report Library
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23A - File
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25A - File