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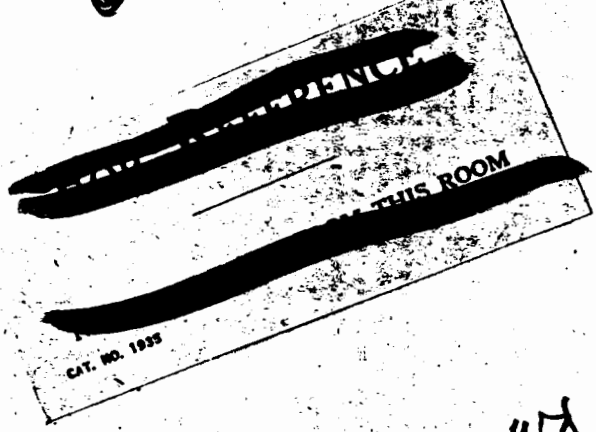

WD Family

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TL-243

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Symbol: TM-41

Group Ref: TMG-M19

This document consists of 6 pages

February 28, 1952

MINUTES OF THE NINETEENTH MEETING OF THE THEORETICAL MEGATON GROUP

27 February 1952

1. The nineteenth meeting of the TMG convened at 9:00 AM on Wednesday, February 27, 1952 in the W-Division Conference Room. Those present were:

G. Bell	F. C. Hoyt
H. A. Bethe	R. M. Landshoff
W. Bouricius	P. Lax
A. A. Broyles	C. L. Longmire
E. D. Cashwell	J. C. Mark, Chairman
R. Courant	N. Metropolis
F. de Hoffmann	L. W. Nordheim
J. J. Devaney	L. G. Peck
B. E. Freeman	O. W. Rechard
W. B. Goad	F. Reines
R. W. Goranson	R. D. Richtmyer
G. M. Grover	M. Rosenbluth
M. G. Holloway	J. L. Tuck

S. M. Ulam

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3. CONTAINS NO DOE CLASSIFIED INFO
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2ND REVIEW-DATE: 8/2/97
AUTHORITY: ADD
NAME: [illegible]

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3. SEAC Problems

[redacted]

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[redacted] In this connection it would be useful to insert a factor for rate of rise of temperature.

Richtmyer has begun coding a problem for detailed study of surface motions.

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[redacted]

The effect of varying the "explosive" will also be looked into, i.e. density variations in the interval 0.02 to 0.1 and associated temperatures for a certain total available energy.

4. [redacted]

DDE
b(3)

5. Flow of radiation (de Hoffmann)

DDE
b(3)

[redacted]

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6. [redacted]

DOE b(3)

7. Isothermal shocks in the channel

DOE b(3)

[redacted] such shocks are, however, not strong and cannot imitate isothermal shocks.

Courant has agreed to look into what analytical approaches can be made.

8. [redacted]

DOE b(3)

9. Burning calculations (Peck)

The calculation will follow the burning of D out from the center as far as one's interest extends.

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[redacted]

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An expression similar to that used for AC calculations to account for the temperature dependence of opacity:

[redacted]

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DOE b(3)

DOE b(3)

R. W. Goranson

R. W. Goranson

[redacted]

Distribution:

1A - H. H. Barschall
2A - H. A. Bethe
3A - W. Bouricius
4A - N. E. Bradbury
5A - S. W. Burriss
6A - B. G. Carlson
7A - F. de Hoffmann
8A - B. E. Freeman
9A - D. K. Froman
10A - R. B. Gibney
11A - R. W. Goranson
12A - A. C. Graves
13A - L. E. Hightower
14A - M. G. Holloway
15A - F. C. Hoyt
16A - E. R. Jette
17A - R. M. Landshoff
18A - R. B. Lazarus
19A - C. L. Longmire
20A - J. C. Mark
21A - H. L. Mayer
22A - N. Metropolis
23A - L. W. Nordheim
24A - W. E. Ogle
25A - L. G. Peck
26A - F. Reines
27A - J. R. Reitz
28A - R. D. Richtmyer
29A - M. Rosenbluth
30A - R. W. Spence
31A - P. R. Stein
32A - E. Teller
33A - J. L. Tuck
34A - S. M. Ulam
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