

TMG M41

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This document consists of 3 page(s).

Symbol: TM-80

Group Ref: TMG-M41

November 12, 1952

MINUTES OF THE FORTY-FIRST MEETING OF THE THEORETICAL MEGATON GROUP

1. The forty-first meeting of the TMG convened at 9 A. M., November 6, 1952, in the T-Division Conference Room. Those present were:

H. Agnew	R. Lazarus
W. Bouricius	C. L. Longmire
N. E. Bradbury	H. Mayer
W. C. Bright	N. Metropolis
A. A. Broyles	J. Pasta
B. Carlson	J. C. Potts
E. Cashwell	O. Rechard
G. Cowan	F. Reines
C. L. Critchfield	R. D. Richtmyer
J. J. Devaney	A. Rosenbluth
C. Evans	M. Rosenbluth
F. Evans	L. Seely
B. Freeman	R. Spence
D. Froman	B. Suydam
G. M. Grover	T. B. Taylor
D. Hall	A. Turkevich
J. Hall	S. Ulam
Capt. J. T. Hayward	M. C. Walske
M. G. Holloway	J. Wechsler
J. M. Knight	G. M. Wing
R. Landshoff	E. Zadina
	J. C. Mark, Chairman

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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Topics

2. Preliminary report on Ivy.
 3. General Planning.
 4. Upshot Planning.
2. Preliminary Report on Ivy.

~~yield measurements are 10 Megatons with about 25% accuracy.~~

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3. General Planning.

Bradbury stated that there is a need for a large yield weapon (5 to 10 megatons) to be carried by a B-36 and limited as follows: 40 mm diameter, and 240" length.

The expects the development of such a weapon to take three years or more with no nuclear tests required on the final design. Rosenbluth discussed the feasibility of reducing the weight without interfering with the performance.

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Matterhorn has studied the use of dry fuels such as Li⁶D and ordinary LiD in place of liquid D.

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4. Upshot Planning.

Mark thought this decision could be arrived at between now and the end of the year.

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NOT ASSISTED

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Rolf Landshoff
Rolf Landshoff

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Distribution:

- 1A - G. Bell
- 2A - H. A. Bethe
- 3A - W. Bouricius
- 4A - N. E. Bradbury
- 5A - S. W. Burriss
- 6A - J. Calkin
- 7A - B. G. Carlson
- 8A - E. D. Cashwell
- 9A - F. de Hoffmann
- 10A - F. Evans
- 11A - B. E. Freeman
- 12A - D. K. Froman
- 13A - W. Goad
- 14A - A. C. Graves
- 15A - D. B. Hall
- 16A - L. E. Hightower
- 17A - M. G. Holloway
- 18A - F. C. Hoyt
- 19A - E. R. Jette
- 20A - J. M. B. Kellogg
- 21A - R. Landshoff
- 22A - C. L. Longmire
- 23A - J. C. Mark
- 24A - H. L. Mayer
- 25A - N. Metropolis
- 26A - L. W. Nordheim
- 27A - W. E. Ogle
- 28A - J. Pasta
- 29A - F. Reines
- 30A - R. D. Richtmyer
- 31A - M. Rosenbluth
- 32A - R. W. Spence
- 33A - P. R. Stein
- 34A - E. Teller
- 35A - J. L. Tuck
- 36A - S. M. Ulam
- 37A - J. von Neumann
- 38A - M. C. Walske
- 39A - B. E. Watt
- 40A - J. A. Wheeler
- 41A - H. F. York
- 42A - H. F. York
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