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George Stearns Jr.

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Symbol: TM-7
Group Ref : TMG-M6

This document consists of 4 pages.

November 14, 1951

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MINUTES OF THE SIXTH MEETING OF THE THEORETICAL MEGATON GROUP

7 November 1951

1. The sixth meeting of the TMG was held on 7 November 1951 at 8:30 AM in the W-Conference Room. Those present were:

G. Bell	C. L. Longmire
W. Bouricius	H. L. Mayer
N. E. Bradbury	J. C. Mark, Chairman
A. A. Broyles	N. Metropolis
F. de Hoffmann	L. W. Nordheim
B. E. Freeman	L. G. Peck
R. W. Goranson	F. Reines
G. M. Grover	J. R. Reitz
M. G. Holloway	R. D. Richtmyer
F. C. Hoyt	P. R. Stein
R. B. Lazarus	M. C. Walske

2. The hour, day and place of meeting as reported in the previous minutes were confirmed. Agenda topics for discussion will be circulated prior to the meeting for which they are scheduled.

3. Report on SEAC implosion problems.

(a)

DOE
b(3)

- (b) The second Alarm Clock calculation may not be completed and, if so, will be put in Baumhoff's hands to run when the machines are not otherwise busy.

(c)

DOE
b(3)

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Richtmyer still questioned the general theorem of Bethe that one cannot match the time of ignition with that of maximum deuterium compression.

5.

DOE

b(3)

DOE
b(3)

This involves procuring the necessary D₂O (which Holloway said was available), constructing a tank such that the scattering will not be too different from the actual system, and invoking the services of W-2.

DOE
b(3)

Pajarito will need to know the geometric dimensions, and the sizes of holes for detectors and safety precautions. Longmire promised that these dimensions will be available in two weeks.

DOE
b(3)

In reply to a query by Holloway, it was felt that cryogeny will not be an early necessity for critical experiments.

6..

DOE
b(3)

1951.

These results are given in ADWD-3-30 of 2 Nov.

DOE
b(3)

Zoned calculations on CPC machines are expensive in respect to time.

DOE
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In the meantime certain studies involving simple computations might be useful, e.g. effect of zone sizes.

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7.

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DOI
b(3)

R.W.Goranson

R. W. Goranson

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