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LAMD-463

ADWD-206

Redacted VERSION

-1-

FAMILY COMMITTEE
Minutes of Twenty-Sixth Meeting
October 26, 1950

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Unique Document #

A. Attendance.

The twenty-sixth meeting of the Family Committee was held Thursday, October 26, 1950 at 1:15 PM in Room B-117. Those present were:

J. C. Clark	D. P. MacDougall
F. de Hoffmann	J. C. Mark
D. K. Froman	M. Rosenbluth
R. W. Goranson	R. W. Spence
M. G. Holloway	R. F. Taschek
E. R. Jette	E. Teller, Chairman
C. L. Longmire	

B. Minutes of the Twenty-fifth Meeting.

The Committee unanimously adopted the minutes of the twenty-fifth meeting reported in ADWD-203 with the following corrections:

On page 5, line 2 should read as follows: "vertical clearance will be 0.5 millimeters plus or minus 0.5 millimeters".

In line 19, the end of the line should read "the total 14 mev neutron yield".

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8-20-97
AUTHORITY: ☐ AOC ☐ ADC ☒ ADD
NAME: [illegible]
2ND REVIEW-DATE: 9/5/97
AUTHORITY: ADD
NAME: [illegible]
DETERMINATION (CIRCLE NUMBER(S))
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):

C. [redacted]

DOE b(3)

In this connection, CMR requests that J-Division set a definite number of hours in advance of zero time by which everybody will have to be off the tower.

With reference to the requirement that the total mass of the DT mixture should be known at zero time to within 0.5%, Jette reported that CMR was not yet certain whether this accuracy could be achieved but that more intensive work would start on this problem on November 1, 1950.

2. (n,2n) Experiment.

[redacted]

DOE b(3)

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RESTRICTED DATA
This document contains restricted data [illegible] the Atomic Energy Act of [illegible] Unauthorized disclosure subject to Administrative and Criminal Sanctions

[redacted]

DOE b(3)

[redacted] (The exact specifications are given below.)

DOE b(3)

[redacted]

DOE (3)

[redacted] It should be emphasized that these guesses are not based on a full-scale efficiency calculation and that such a calculation will be carried out in the near future. It was noted that J-Division would like to get better estimates at the earliest possible date.

As a result of the above discussions, the Committee unanimously approved the recommendations by Holloway, summarized below:

1. [redacted]

DOE b(3)

2. [redacted]

3. At zero time the total mass of the D-T mixture should be known as accurately as possible. It would be worth considerable effort to be able to obtain this number to an accuracy of 2%.

4. The specifications which follow can be understood with the aid of Fig. 1 (Drawing SK-W-1-217 C-1, Rev. A, 24 October 1950) and Fig. 2 (sketch from 18-Y-25681 C-2) as revised 24 October 1950) on which part numbers are indicated.

5. The following details are agreed upon:

[redacted]

DOE b(3)

DOE b(3)

5.11 The radiographic specifications are as follows:

[redacted]

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6. [redacted]

DOE b(3)

9. GMX will furnish W Division with the results of the radiographic inspection.

10. [redacted]

DOE b(3)

In this connection, it was noted that J Division will furnish the Committee with a list of requests for other information similar to the above which J Division would like to know about the booster test gadget.

11. [redacted] Time has not permitted W Division to discuss this with Mr. Potts and GMX Division. W Division feels that the opening (for the high pressure tube and presumably thermocouple leads) is too large and that it should be changed. The matter will be discussed further by CMR and W Divisions.

DOE b(3)

E. Scope of Committee Work and Further Meetings.

[redacted]

DOE b(3)

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[redacted] In view of this, DOE b(3) some discussion took place on the scope of the Committee's work. The question was raised whether the Committee should concern itself with broader questions than those concerning the completion of the preparation for the thermonuclear portions of Greenhouse. In this connection, it was recalled that the original directive from the Director establishing the Committee (see letter from N. E. Bradbury to E. Teller, dated March 15, 1950) read as follows: "I wish to place on this organization, you as its chairman, and Froman as Technical Associate Director, the direct responsibility for the thermonuclear programs listed in the Los Alamos Laboratory program and their accomplishment."

Holloway expressed the view that the Committee should continue to restrict its attention to the thermonuclear part of the Greenhouse tests and after having discharged this responsibility should not discuss any broader matters without a specific new directive from the Director. Other members of the Committee expressed varying opinions leaning toward a position that the present directive under which the Committee operates can be clearly interpreted and that this broad interpretation is the one the Committee should continue to operate under. The majority felt the Committee should at least discuss the program of theoretical work and the possibilities of further experimental work.

Therefore, it was agreed that for the time being the Committee should continue to operate under this broad directive. More specifically, it was agreed that the time of the next meeting would be left uncertain but that the Committee should probably reconvene on Thursday, November 16th. At that time, experimental and theoretical questions concerned with the thermonuclear program are to be rediscussed in the light of present-day status of the work. It is hoped that at this time the Director can attend and that the Committee will have an opportunity to exchange views on the future thermonuclear program and also to hear the Director's views on the specific role of the Committee in such future work.

Frederic de Hoffmann
Executive Secretary

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1A	N. E. Bradbury
2A	W. C. Bright
3A	S. W. Burriss
4A	J. C. Clark
5A	D. K. Froman
6A	R. W. Goranson
7A	A. C. Graves
8A	G. K. Hess
9A	M. G. Holloway
10A	E. R. Jette
11A	" " "
12A	J. M. B. Kellogg
13A	J. L. Tuck
14A	D. P. MacDougall
15A	" " "
16A	D. P. MacMillan
17A	J. H. Manley
18A	J. C. Mark
19A	H. C. Paxton
20A	F. Reines
21A	" "
22A	" "
23A	A. R. Sayer
24A	R. F. Taschek
25A	E. Teller
26A	" "
27A	" "
28A	" "
29A	" "
30A	J. von Neumann
31A	J. A. Wheeler
32A	Document Room
33A	" "
34A	" "
35A	" "
36A	" "
37A	" "
38A	" "
39A	C. Longmire
40A	R. W. Spence
41A	A. C. Graves
42A	R. C. Smith
43A	W. E. Ogle
44A	E. Teller
45A	" "
46A	" "
47A	" "
48A	" "

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Fig. 2

M. [illegible]
8 Oct 50
Revised 24 Oct 50 [illegible]

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Fig. 1