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LAMD-463

ADWD-206

Redacted
VERSION

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".

C.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	1. INFORMATION (IRCLE NUMBER(S))
	2. CLASSIFICATION RETAINED
3. CLASSIFICATION CHANGED TO:	
4. COORDINATE WITH:	
5. CLASSIFICATION CANCELLED	
6. CLASSIFIED INFO BRACKETED	
7. OTHER (SPECIFY):	
1ST REVIEW DATE: 8/20/97	AUTHORITY: EACD, EACD, BRAD
2ND REVIEW DATE: 4/5/97	AUTHORITY: JDD
NAME: [Signature]	NAME: [Signature]

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.

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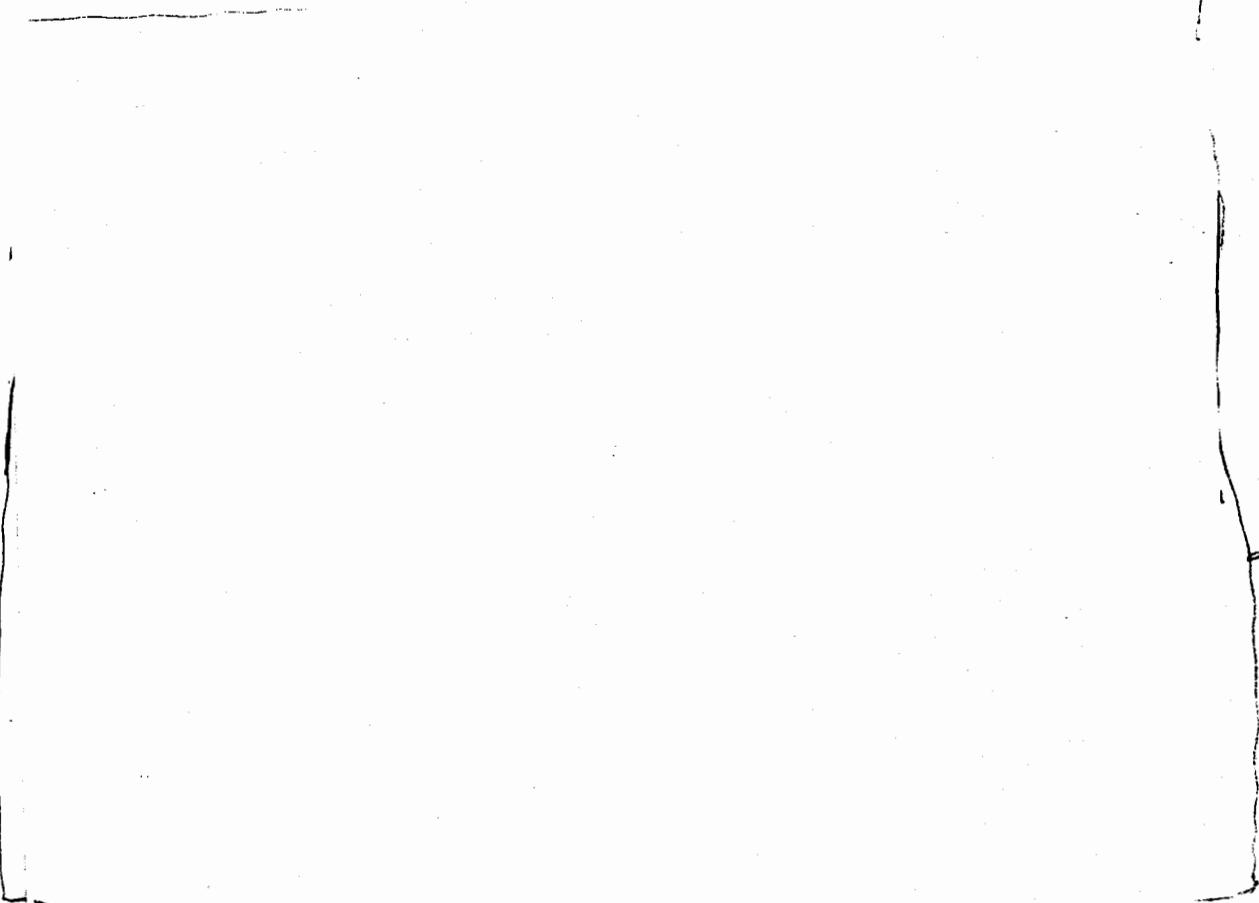
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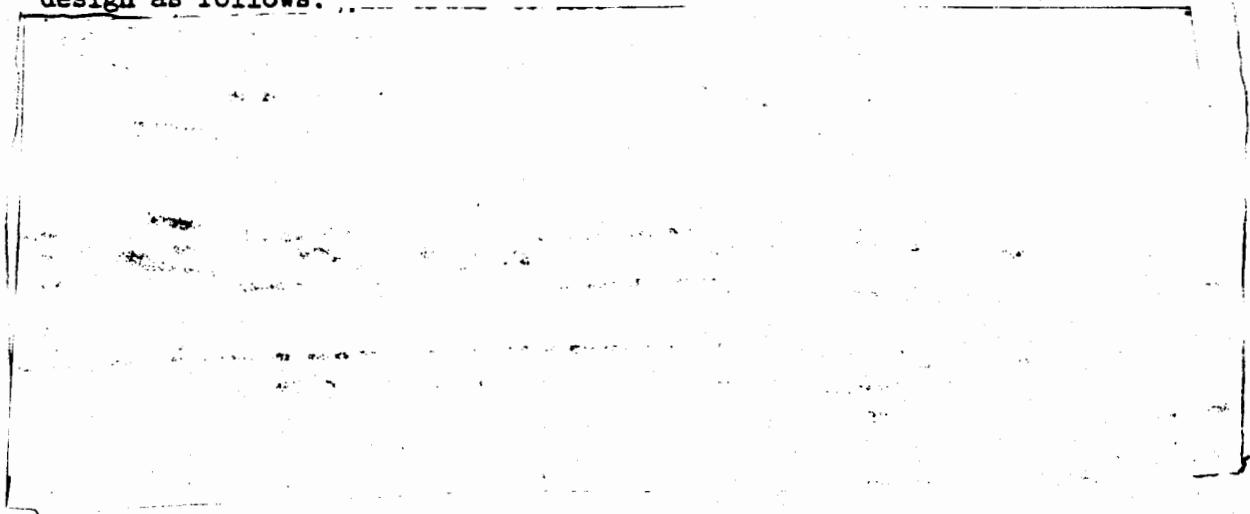


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D. Booster.

The Committee examined memorandum W-204 by Holloway, dated October 25, 1950 concerning certain booster specifications. Longmire and Rosenbluth then presented the present thoughts concerning booster design as follows:



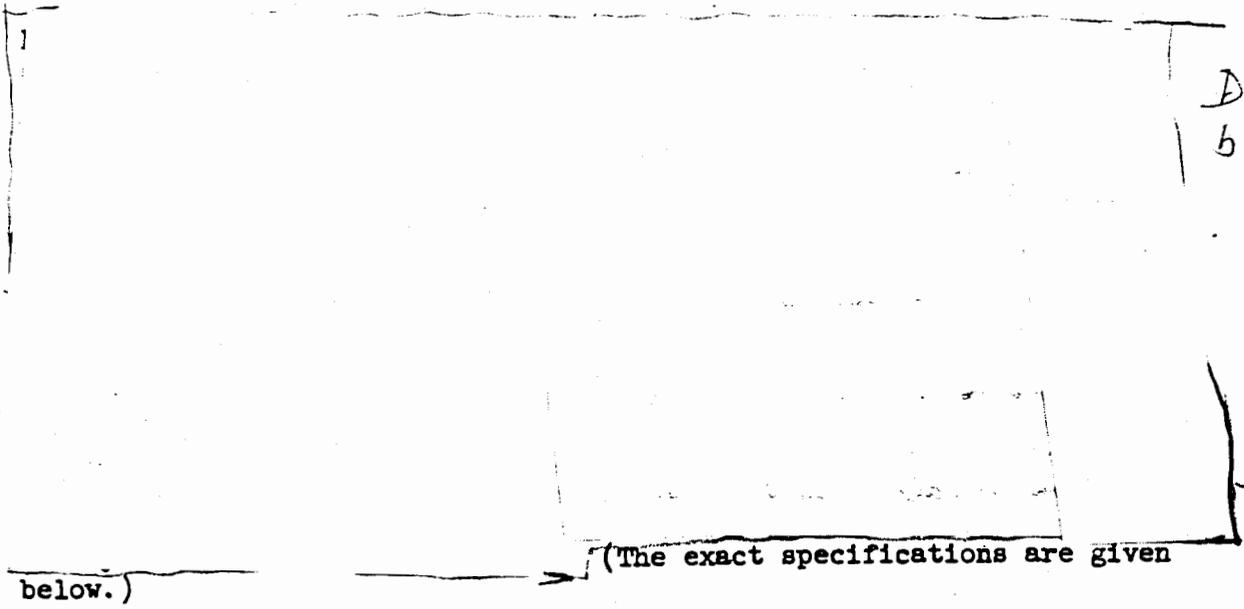
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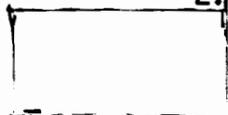
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It should be emphasized that these guesses are not based on a full-scale efficiency calculation and that such a calculation will be carried out in the near future. It was noted that J-Division would like to get better estimates at the earliest possible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

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

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2. 

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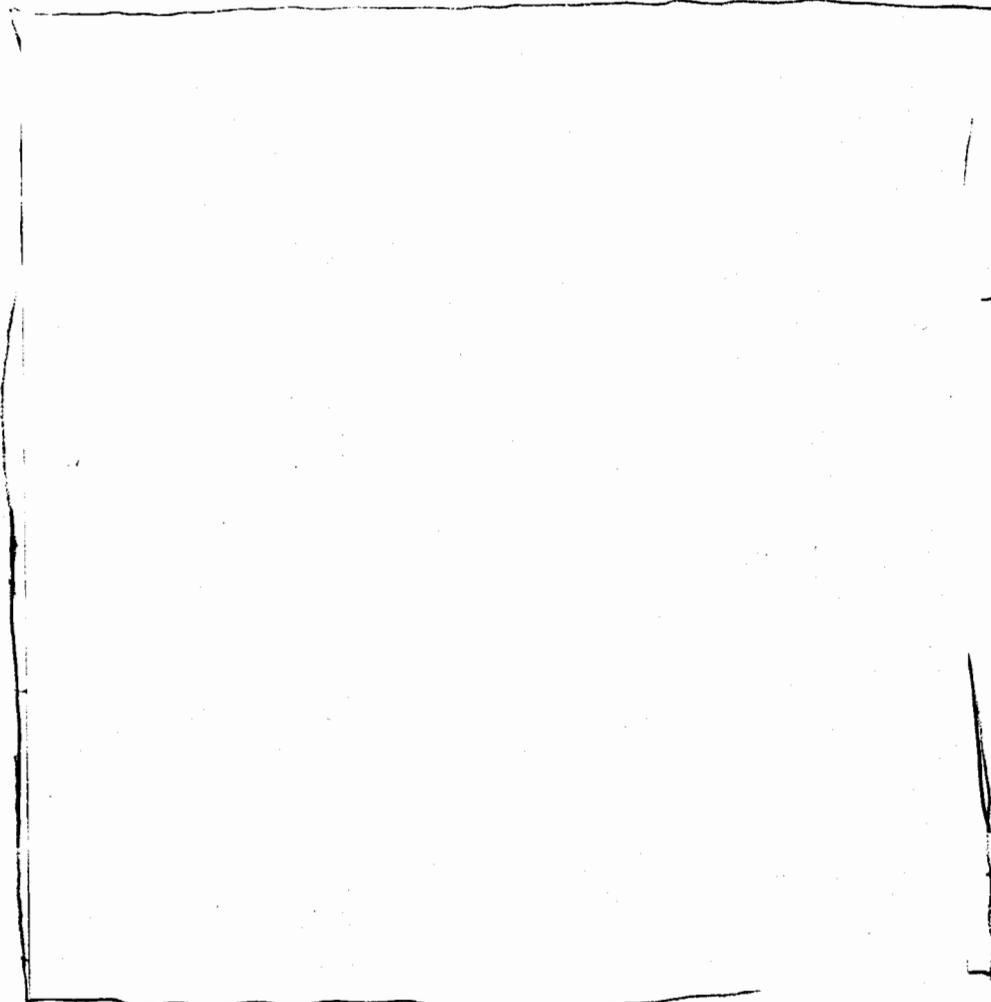
3. At zero time the total mass of the D-T mixture should be known as accurately as possible. It would be worth considerable effort to be able to obtain this number to an accuracy of 2%.

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.

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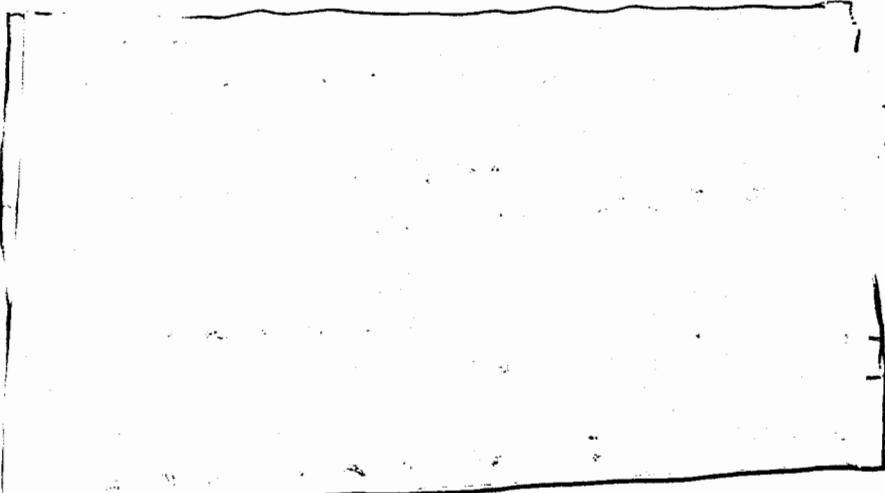
5. The following details are agreed upon:



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5.11 The radiographic specifications are as follows:



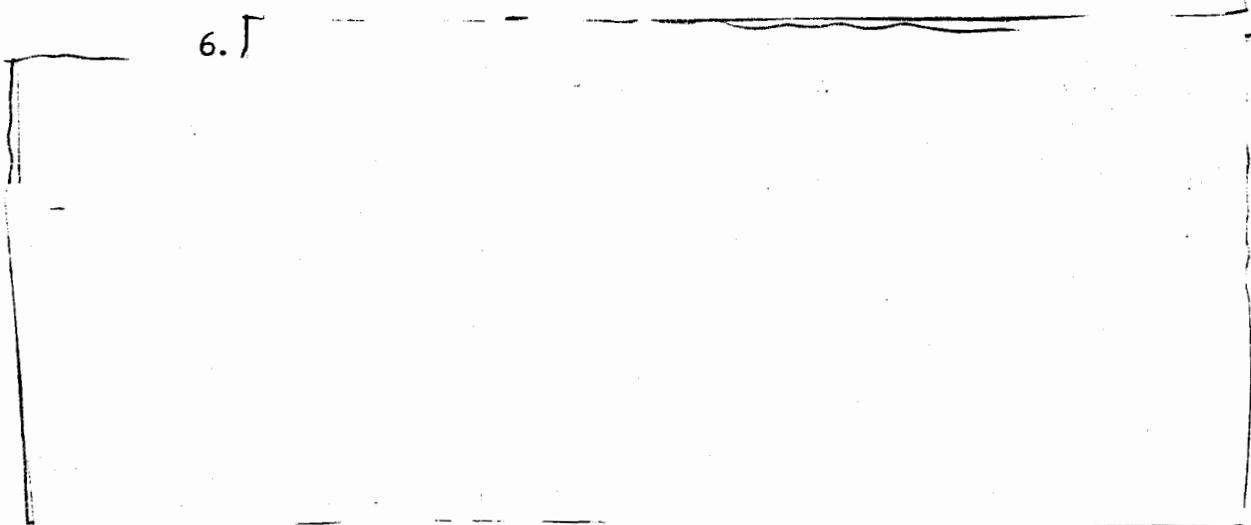
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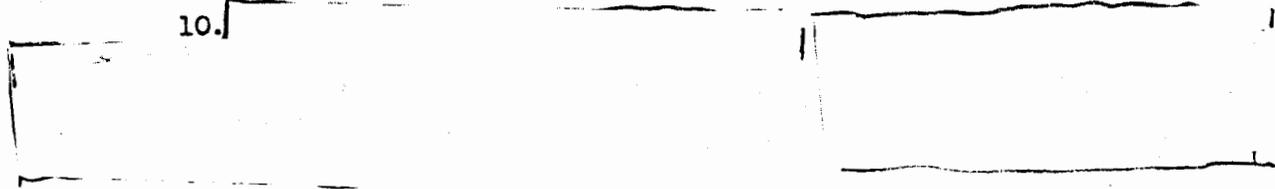
6.]



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

10.]



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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.]



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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.

E. Scope of Committee Work and Further Meetings.

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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

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M. J. K. - as

8 Oct 56

Revised 24 Oct 50

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Fig. 1

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