~~SECRET~~

LAMD-376

This document consists of 7 pages.
~~No. 37 of 48 copies. Series A.~~

ADWD-174

UNCLASSIFIED

Redacted VERSION

SAA20006984000
Unique Document #

FAMILY COMMITTEE
Minutes of Nineteenth Meeting
August 5, 1950

A. Attendance.

The nineteenth meeting of the Family Committee was held Thursday, August 5, 1950 at 1:15 PM in Room B-117. Those present were:

N. E. Bradbury	E. R. Jette
J. C. Clark	D. P. MacDougall
F. de Hoffmann	J. C. Mark
E. Fermi	R. F. Taschek
D. K. Froman	E. Teller, Chairman
A. C. Graves	J. A. Wheeler
M. G. Holloway	

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 3-12-97 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):
AUTHORITY: DADC DADC DADD
NAME: 2ND REVIEW-DATE: 4/14/97
AUTHORITY: ADD
NAME:

B. Minutes of the Eighteenth Meeting.

The Committee unanimously adopted the minutes of the Eighteenth meeting, reported in ADWD-172 with the following addition and elaboration:

On page 2, the last sentence on the page should read: "The following statement was voted upon and approved unanimously by the permanent members of the Family Committee."

[redacted]

DOE b(3)

C. [redacted]

DOE b(3)

The discussions and results are summarized below by first presenting a table and then discussing each item in the table and noting the weight assigned.

UNCLASSIFIED

[redacted]

RESTRICTED DATA
This document contains restricted data as defined in the Atomic Energy Act of 1954.

~~SECRET~~

965A20A000014

UNCLASSIFIED

DOE
b(3)

UNCLASSIFIED

UNCLASSIFIED

DOE
b (3)

He felt that if at all possible, the forthcoming test of a thermonuclear gadget should be modified so that it would give at least some information concerning a possible ignitor scheme. DOE b(3)

UNCLASSIFIED

DOE
b (3)

MacDougall pointed out that this would interfere with the present design of the initiator but that GMX Division would investigate the possibility of moving the initiator and realizing such a scheme.

Weighting of item 5 was undertaken in connection with item 6 and is discussed under item 6.

DOE
b (3)

UNCLASSIFIED

DOE b(3)

9. It was emphasized that one of the most important tasks of the Laboratory was still that of being able to predict correctly what efficiencies one could expect from a particular fission gadget. It is important to be able to do this both from the point of view of designing fission weapons and also from the point of view of the thermonuclear program itself where the fission weapon is used as the igniting mechanism.

DO EG

DOE b(3)

DOE b(3)

D.

DOE b(3)

The question of DINEX was briefly discussed. In spite of the logistics difficulties it was decided for the present time not to drop DINEX. It is expected that within a month further discussions will lead to a clearer view of the necessity of such an experiment.

In view of these considerations, and those discussed under Section C, the Committee adopted the recommendations reported under E below.

E. Conclusions.

The permanent members of the Family Committee unanimously voted the following recommendations.

DOE b(3)

Such arguments should be

brought to the attention of the Family Committee on August 10th. In the absence of such arguments the decision to drop the L.E. program will become final.)

DOE b(3)

3. The Spring 1951 operation at Eniwetok should be planned in such a manner as to permit the shooting of one shot with a yield as high as 200-250 KT. The site designed for this large-yield shot should be provided with facilities for a full-scale DINEX and X-RAY experiment requiring the 200-ft. tower and the Limonite shielding column. (The Family Committee will make every effort within the next few weeks to examine the possibility of dropping the requirement on the 200-ft. tower and full-scale DINEX instrumentation in order to lessen the logistics program if at all possible without sacrificing the minimum requirements of a successful thermonuclear shot.)

F. Next Meeting.

The next meeting is to take place on August 10, 1950. One item to be discussed is the nickel experiment (see Seventeenth Minutes, item D). Enrico Fermi and Richard Garwin are to be invited.

Frederic de Hoffmann

Executive Secretary

Distribution:

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