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UNCLASSIFIED
FAMILY COMMITTEE
Minutes of Thirty-Third Meeting
March 1, 1951

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LAMD-584

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ADWD-247

SHA 210069770000

A. Attendance.

The thirty-third meeting of the Family Committee was held Thursday, March 1, 1951 at 9:00 A.M. in Room B-117. Those present were

- | | |
|----------------|---------------------|
| N. E. Bradbury | L. Nordheim |
| J. C. Clark | M. Rosenbluth |
| F. de Hoffmann | R. W. Spence |
| D. K. Froman | R. F. Taschek |
| R. W. Goranson | E. Teller, Chairman |
| M. G. Holloway | J. L. Tuck |
| E. R. Jette | J. A. Wheeler |
| J. C. Mark | |

B. Minutes of Thirty-Second Meeting.

The Committee unanimously adopted the minutes of the thirty-second meeting as reported in ADWD-242.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1. DETERMINATION (CIRCLE NUMBER(S))
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In particular, this will mean that prior to destructive testing after the shot, the accuracy of results from the (n,2n) experiment will be rather poor. The activation measurements will be obtained within a matter of a week after shot time. Post shot destructive calibration will then refine the results.

It is hoped that this, too, will be solved satisfactorily in the near future.

D. Booster.

Rosenbluth reported on current theoretical thoughts concerning the boosting of fission weapons.

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It was noted that the measurement of the yield alone should provide a rather sensitive measure of the success or failure of the boosting action. Of course, it would be good to do other experiments and the (n,2n) approach to measure compressions might well be useful.

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E. Criterion for Shooting Booster at Eniwetok.

In view of the items reported in Section D, the Committee examined whether recommendations should be made at present meeting to shoot the booster at Greenhouse under any circumstances. The boosted fission weapon discussion certainly indicates that one should give serious thought toward shooting some kind of boosted fission gadget within the next year.

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In this case, shooting the "booster" which is now on the shelf, would put one ahead in this respect.

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Against this gain must be weighed the expenditure of material and operational costs at Greenhouse. At the present time, the Committee does not feel that it is in a position to recommend shooting the present booster at Greenhouse unconditionally. However, it wishes to emphasize that if calculations during the next few weeks should show great promise, it might still wish to make a positive recommendation to shoot the booster at Greenhouse in order to speed weapon applications of the boosting principle.

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Bradbury pointed out that the new factor to be considered is that Tonopah might be available for a booster shot in the fall of 1951.

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While evaluation of meteorological data shows a bright outlook for firing larger objects at Tonopah, this cannot be taken for certain at the present time.

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F. Next Meeting.

The next meeting is to take place on March 15, 1951 at 1:15 PM and the main subject on the agenda is the discussion of the Alarm Clock. There will be a meeting on March 24, 1951 concerning possible Tonopah shots of Family interest, such as "highball".

Frederic de Hoffmann,
Executive Secretary

Distribution:

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