UNCLASSIFIED

SECRET

(d)

4.

(a)

(b)

(c)

DOE
b(3)

SECRET

UNCLASSIFIED

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

5. [redacted] DOE b(3)

This involves procuring the necessary D_2O (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.

[redacted] 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.

[redacted] 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. [redacted] DOE b(3) These results are given in ADWD-3-30 of 2 Nov. 1951.

[redacted] DOE b(3)

Zoned calculations on CPC machines are expensive in respect to time. [redacted] DOE b(3)

In the meantime certain studies involving simple computations might be useful, e.g. effect of zone sizes, [redacted] DOE b(3)

7. [redacted] DOE b(3)