



UNITED STATES
ATOMIC ENERGY COMMISSION
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OFFICE OF THE SECRETARY

Mr. Lombard Squires, Chairman
General Advisory Committee to the
U. S. Atomic Energy Commission

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Dear Mr. Squires:

The Commission has recently determined that the following information may be published without undue or unreasonable risk to the common defense and security:

1. The fact that the thermonuclear fuel used in the Mike test (10/31/52) of the Ivy series was liquid deuterium.
2. The related fact that complex and bulky cryogenic equipment was associated with Mike.
3. The fact that the device fired in the Bravo test (2/28/54) of the Castle series used lithium deuteride as its thermonuclear fuel.
4. The yield of the King test (11/15/52) of the Ivy series was 500 KT.

Accordingly, this information has been declassified. This action has been coordinated with the Department of Defense.

Sincerely,

BEST COPY AVAILABLE

C. L. Marshall, Director
Division of Classification

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