

# Office Memorandum • UNITED STATES GOVERNMENT

TO : Dr. Warren  
 FROM : L. Joe Deal  
 SUBJECT: GABRIEL

DATE: October 15, 1951

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In view of the interest shown by Dr. Smyth in radiation protection problems associated with the use of A-bombs as tactical weapons, I believe we should begin to consider an approach to the job. These conclusions are based on the following points:

1. Nick Smith will not be available to us after he completes the present report.
2. It is not contemplated that the current Gabriel will go far enough toward answering the specific examples of radiation protection problems in which Dr. Smyth is interested.

Some of the questions that should be considered are:

- (a) Can we use A-bombs, A-warheads, etc., without ultimate harm to our own troops or friendly populations? (This could include immediate as well as long range effects for present generations.)
- (b) What are the ultimate long range effects to future generations from the spreading of large amounts of radioactive materials around various countries. (This could include such things as effect on food production, genetics, etc.)
- (c) Psychological implications. (This could include future as well as immediate effects.)
- (d) Availability and usefulness of "Civil Defense" measures.

This problem should be approached from the operational analysis point of view and all angles should be thoroughly considered.

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ORGANIZATION & MANAGEMENT

~~11-01-563/20/10~~

DOE ARCHIVES

US DOE ARCHIVES  
 326 U.S. ATOMIC ENERGY COMMISSION

RG DOE HISTORIAN (DBM)

Collection 1132

Box 3363

Folder # 26

DOE ENERGY DECLASSIFICATION REVIEW

DATE OF REVIEW: 11/2/81

REVIEWER: AA S. W. S. G. L. L.

REASON FOR REVIEW: ML K. O. B. M. 11/7/81

CLASSIFICATION: UNCLASSIFIED

EXEMPTION (CIRCLE NUMBER(S))

REVISIONS: 0

OTHER (SPECIFY):

Dr. Warren

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If the Division of Biology and Medicine were to undertake the study, we would need to form a team of possibly a nuclear physicist, radiobiologist, geneticist and one person selected by virtue of business accomplishment and proven sound judgment. It is possible that an ad hoc group organized along the lines of the "crave" study could be set up, given the problem with definite time limit for the final report.

It is suggested that before any action such as that outlined above is taken, the necessary steps be taken to find out what the DOD has done in the way of studies of this nature.

DEAL:nsd