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James E. Reeves, Office of Test Operations, SPOO

18 January 1954

A. C. Graves

STUDY BY U. S. WEATHER BUREAU

JDO.4

RM

Reference: Your memo of 11 Jan 54, same subject, Symbol: T-7

The referenced memorandum indicates that the U. S. Weather Bureau will initiate a study of possible relationship between nuclear detonations and weather conditions. I, also, endorse this study. However, sufficient experience exists from continental tests to indicate that effects from low yield weapons will be small and difficult to observe. Consequently, I would recommend that the U. S. Weather Bureau concentrate its initial efforts on large yield weapons. The following steps should be considered:

1. Make available to the U. S. Weather Bureau the Fate-Palmer Weather Report for Operation Ivy.
2. Arrange for a conference between the responsible scientist from the U. S. Weather Bureau and Dr. Palmer in Honolulu.
3. Arrange for this same scientist to proceed to Eniwetok to work with the Weather Detachment there, and observe any effects from the Castle detonations.

Original signed by  
ALVIN C. GRAVES

ALVIN C. GRAVES  
J Division Leader

ACG:vw

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