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UNITED STATES DEPARTMENT OF COMMERCE
WEATHER BUREAU
WASHINGTON

404595

December 23, 1953

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Mr. Carroll L. Tyler, Manager
Santa Fe Operations Office
U. S. Atomic Energy Commission
P. O. Box 5400
Albuquerque, New Mexico

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Dear Mr. Tyler:

The U. S. Weather Bureau has tracked the atomic clouds from the Nevada tests in cooperation with the Atomic Energy Commission. Some unusual meteorological phenomena, coinciding in time with the test series, have suggested to the public that there may be a connection between the two events.

We have examined many of these instances, and have found no basis for believing the atomic detonations or clouds to be related to weather occurrences. However, in view of the importance of the subject, we feel that every effort should be made to investigate it as completely and thoroughly as possible. We are attempting to document, insofar as possible, all relationships which are suggested as being plausible between the firing of atomic weapons, their radioactive debris and weather conditions.

To make sure that no possible relationship between atomic detonations and the weather has been overlooked, we would like to receive possible mechanisms advanced by other meteorologists and scientists. Would you kindly send us any suggestions you, your colleagues or the technical contractors under your office may have on the subject?

Sincerely yours,

/s/ Lester Machta

Lester Machta, Chief
Special Projects Section

From Kunkle

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