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ATOMIC ENERGY COMMISSION

CLASSIFICATION CANCELLED

MEETING NO, 869

BY AUTHORITY OF DOE 5650.2, III-12 (ADMIN)

BY J. Diaz DATE 8/12/80

10:00 a.m., Tuesday, May 26, 1953 BY William Stumm DATE 8/8/80

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Present

Gordon Dean  
Henry D. Smyth  
Eugene M. Zuckert

M. W. Boyer

Harold D. Anamosa  
Charles A. Perry

Also Present

Dr. John C. Bugher  
Gerard Smith  
Newton I. Steers  
Richard W. Johnson  
Frank C. Legler  
Robert L. Butenhoff

|                                 |                                      |
|---------------------------------|--------------------------------------|
| US DOE ARCHIVES                 |                                      |
| 326 US ATOMIC ENERGY COMMISSION |                                      |
| RG                              |                                      |
| Collection                      | <u>1951-58 Secretariat File</u>      |
| Box                             | <u>1258</u>                          |
| Folder                          | <u>MHS-9 Meteorological Criteria</u> |

1. Effects of Atomic Detonations on Weather

Mr. Dean asked if the adverse weather conditions at Eniwetok following the Mike and King shots could be attributed to those detonations. Dr. Bugher said that according to a report by Commander Pate, Staff Weather Officer for JTF-7, these disturbances appeared to have been caused by the shots. Photographs of the King shot indicated that up until shot time the weather had been as predicted, but after the shot heavy clouds and squalls developed. The disturbances were a series of high altitude (40,000 ft.) storms over a wide area, with precipitation and many thunder storms. The weather conditions prior to the shot time were favorable to rain, and the large vertical disturbances caused by the blast seemed to have "triggered" the storms which began at Eniwetok and spread north and west over an area of 250,000 square miles. There was no damage, and recognition of the phenomenon was retrospective. Dr. Bugher added, however, that meteorological experts have not been able to uncover any relationship between the recent weather conditions throughout the U. S. and the Nevada tests.

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3. Report on Recent Fall-out Incidents

Doctor Bugher reported on the fall-out following the firing of the atomic cannon on May 25. Mr. Dean asked that a report be prepared compiling accounts of radiation sickness allegedly resulting from AEC atomic tests.

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END OF MINUTE - EXTRANEIOUS MATERIAL DELETED

Harold D. Anamosa  
Acting Secretary

Approved by the Commission: June 26, 1953

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