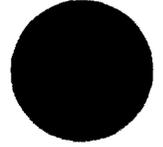


Morse Salisbury, Director,
Division of Information Services

January , 1959

C. L. Dunham, M.D., Director,
Division of Biology & Medicine

440



PUBLIC ANNOUNCEMENT ON HARDTACK TRACER STUDY

SYMBOL: BMES:HH

We approve the announcement transmitted with your memorandum dated January 12, 1959, and urge that this information be released not later than January 27. On that date, Mr. J. Z. Holland of this Division is scheduled to present a talk on "AEC Atmospheric Radioactivity Studies" at a national meeting of the American Meteorological Society in New York City. It would be opportune for this release to precede or coincide with his presentation. An abstract of Mr. Holland's paper is attached. He plans to include a discussion of the Hardtack tracer study.

Attachment:
Abstract as stated above

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OFFICE ▶	BMES <i>[Signature]</i> B&M DIRECTOR				
SURNAME ▶	Holland:pas <i>[Signature]</i>				
DATE ▶	1/15/59 <i>[Signature]</i>				

AEC Atmospheric Radioactivity Studies

(Abstract of paper to be presented at National Meeting of the
American Meteorological Society, New York, N.Y., Jan. 27, 1959)

by J. Z. Holland

Meteorologist, Environmental Sciences Branch
Division of Biology and Medicine
U.S. Atomic Energy Commission
Washington 25, D.C.

The U.S. Atomic Energy Commission is sponsoring a broad program of research on radioactivity in the atmosphere. This program, largely carried out by contractors and cooperating Federal agencies, includes collection and radiochemical analysis of samples of tropospheric and stratospheric particulates, rainwater and deposited dust. Substantial research and development on aerosol behavior and methods of sampling are required in support of this sampling program. Meteorological studies are also conducted, aimed at interpreting the results of sampling and developing models for prediction of the world-wide distribution, transport and deposition of radioactive material injected into the atmosphere as a result of various applications of atomic energy. The testing of meteorological hypotheses, in turn, provides the criteria for redefinition of sampling requirements.