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Office Memorandum

UNITED STATES GOVERNMENT  
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TO: The Committee on Atomic Energy  
FROM: John J. Cowley, Assistant Director  
Division of Biology and Medicine  
SUBJECT: RADIOLOGICAL SURVEY OF BIKINI ISLAND  
DATE: July 2, 1954  
INDEX TO SYMBOLS: 7-1-13

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For some time, Dr. Lauren E. Donaldson, Chief of the Department of Applied Fisheries, University of Washington, Seattle, Washington, has been studying the effect of radioactive materials on marine life. This study has included the effects of effluent liquid wastes at Hanford on fish and the tolerance of these fish to other forms of radioactive waste. Valuable information has been obtained from these studies.

Dr. Donaldson has been interested in the effects of an atomic explosion on the marine life of Bikini Island. It was evident that there was considerable concentration of the radioactive materials by certain forms of marine life. It is felt that a follow-up survey at Bikini is strongly indicated with a survey of Eniwetok Atoll. This action has been approved by the Advisory Committee for Biology and Medicine. Accordingly, arrangements have been made through the Division of Military Applications for support by the U. S. Navy of this survey and the attached document concerns their activities in developing this survey.

Attachments:  
Copy of document fr Chief of Naval Operations

From  
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