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R. W. Locke, Budget Operations Branch
West Building

June 22, 1954

H. A. Stanwood, Jr., Chief, Program Analysis
Branch, Division of Biology and Medicine

STATUS OF PROJECT "GABRIEL"

THIS DOCUMENT CONSISTS OF 2 PAGE(S)
NO. 3 OF 5 COPIES, SERIES A

SYMBOL: BMP:EVM

In response to questions you raised with regard to the above subject, the following information is furnished:

Level of Costs

The current level of costs for all research related to the project is approximately $3.4 million. For purposes of analysis this work may be divided into five categories as follows:

I. Studies that would not be conducted except for the existence of "Gabriel".

II. A. Studies which would otherwise be conducted but which are now of primary interest because of their pertinence to "Gabriel".

B.) A gradation of studies that are applicable
C.) to the "Gabriel" problem but which were
D.) initiated and are continued for reasons other than the "Gabriel" problem.

I. $645,000 II. A. $1,053,000 II. B. $1,494,000
II. C. $148,000 II. D. $25,000

CLASSIFICATION CANCELLED BY AUTHORITY OF DOE/OC
Jose Diaz 6/2/81 REVIEWED BY DATE
Wilbur A. Strauser 6/2/81 REVIEWED BY DATE
By: W. Tenek 6/11/81

Personnel Engaged in Project

BEST COPY AVAILABLE

Personnel engaged in the studies included in category I above are as follows:

W. F. Libby	University of Chicago
J. L. Kulp	Columbia University
L. T. Alexander)	
Lyman Dean)	Dept. of Agriculture
Ronald Menzel)	

OFFICE ▶	Prog. Analysis					
SURNAME ▶	McGarry:jc EVM	Stanwood 6/22/54	[redacted]	ORGANIZATION & MANAGEMENT		
DATE ▶						

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Personnel Engaged in Project (cont'd)

Kermit Larson	U.C.L.A.
C. L. Comar	University of Tennessee
Harry Wexler	U. S. Weather Bureau
E. H. Plessett	Rand Corporation
E. J. Kilcawley	Rensselaer P.I.

Various personnel at New York Operations Office, Hanford, and Los Alamos. A list of personnel engaged in the studies comprising the other categories is available in Staff Paper 278/7 dated January 19, 1954.

Present Status and Long Range Plans

Studies of the occurrence of Sr^{90} in the United States and some 20 other countries, as the result of the various weapons tests which have been held, are well underway. Samples of soil, plants, animals, dairy products and (to a limited extent) humans have been obtained, as available, for assay. Resampling, to determine changes with time and other relevant factors will be undertaken as practical. Experimental studies of the factors relating production of bomb debris under various conditions to human uptake of Sr^{90} are underway to provide a better basis for extrapolation of observed occurrence to results which might be expected under conditions of widespread use of nuclear weapons in warfare. Investigations of the relationships between human uptake of Sr^{90} and biological effects and of other aspects of the problem are being prosecuted as conditions permit. Our observations to date on the content of Sr^{90} in human beings have not fallen outside the range of our expectations of a year or so ago.

Periods of time required to obtain answers to the individual problems involved will vary greatly. It may be expected that the present level of effort will continue for at least two or three years; perhaps longer depending upon unpredictable factors.

CC: Distribution
1A- Addressee
2A- H. A. Stanwood
3A- 4A & 5A - Central Files.

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