

DOCUMENT SOURCE	
Lawrence Berkeley Laboratory Archives and Records Office	
Records Series Title	<u>Applied Science Division</u>
Accession No.	<u>1081 Sci 2</u>
File Code No.	<u>434-91-0131</u>
Carton No.	<u>19-14-18</u>
Folder No.	<u>16</u>
Notes	<u>late 1940s / 11/20/49</u>
Found By	<u>ARS staff</u>
Dates	

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13 October 1954

To: Mr. R. R. San Souci

RE: Tritium

Dear Bob:

The stock of tritium labeled water in the Laboratory is very nearly exhausted, and in order to continue the several programs in which tritium is used, a new supply should be obtained from Oak Ridge at the earliest practicable time. Tritium labeled water is routinely used in laboratory tests on Clinic patients and in connection with several long range programs in which the body composition of normal subjects is studied.

We will need for the coming two years about five (5) curies of Tritium. If at all possible it should be procured in the form of water, i.e., HTO, and at a concentration of not less than 10 millicuries per cc of water and preferably more concentrated.

We can, if necessary, accept the tritium from Oak Ridge in gas form, but it will cost time and money together with a great deal of inconvenience to convert it to water.

Sincerely yours,

William Siri

WES:rss

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Records Series Title	<u>Anal. Guinea Division</u>
Accession No.	<u>434-91-0131</u>
File Code No.	<u>19-14-18</u>
Carton No.	<u>119</u>
Folder No.	<u>Inter Office Correspondence</u>
Notes	<u>1958-1960</u>
Found By	<u>ARJ smk</u>
Date	

COPY

William Siri

6.

Investigation of the composition and metabolism of depot fat in diseased and normal persons. Evaluation of total fat, water, and protein in humans, and correlation of these constituents with other physiological variables.

7.

Analysis of existing data, and development of special techniques for analysis of fatty acids, tritiated water, and potassium-40 in vivo.

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