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CLINTON LABORATORIES

DATE 12/30/44

To Mr. A. H. Compton

DEPARTMENT

FROM Dr. R. S. Stone

DEPARTMENT

IN RE: NEUTRINOS



The problem of what neutrinos may be doing to people having to work near piles, especially those at W where the intensity must be great, has been referred to me as a biological problem on different occasions.

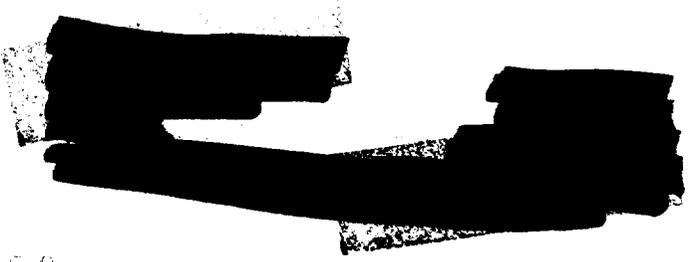
Since the question of neutrinos is such a disputed one physically, and since it is so difficult to determine any change chemically, I believe it is useless to attempt any biological investigation at the present time. The first necessity for controlled biological study is some means of monitoring so that one can know whether the agent in question is present or not.

I have talked this matter over with Mr. Lyle Borst, who has given considerable thought to the matter and who has discussed it with Mr. T. E. Phipps in Mr. Seaborg's Section. It appears to be a difficult, if not impossible, chemical problem to investigate the possible change of such things as hydrogen from the molecular form to the atomic. When some such measure is available for practical monitoring, I believe we could then start biological studies. For the present I will not initiate any biological studies unless I hear from you to the contrary. When any further information on the subject becomes available to you, I hope you will inform me.

Robert S. Stone, M. D.

RSS/w

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RG 326 ARGENNE NAT'L LAB
 COLLECTION UIC-44-45 MET LAB
 BOX No. 5
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