

ca 2/20/53

Dear Josh - Probably you will be interested in the fact that the 2 diphasic *S. wichitas* cultures are naturally diphasic, or as Stecker would say, have a high mutant rate.

4 phase 2 colonies of each culture passed thru 6 successive tubes of semi solid yielded only phase 1 from the 6<sup>th</sup> tube. Here we have a difference in motility of phases - as in Seligmann's 3 phase *S. typhi* strain. I shall remark on this when we publish the results of our work on the XIII group. I think the condition prevails more generally than has been recognized.

Hope you had a good trip. It snows here Saturday night!

Regards to you + Mrs L.  
Phil.