ca 2/20/53

Dear Josh – Probably you will be interested in the fact that the 2 diphasic S. wichita cultures are naturally diphasic, or as Stocker 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 6th tube. Here we have a difference in motility of phases – as in Selgmann's 3 phase S. typhi murium. 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 snowed here Saturday night!

Regards to you & Mrs L.

Phil.