

November 12, 1952

Dear Dr. Boyd:

Thank you very much for your two shipments of *Salmonella typhimurium*, which arrived simultaneously, day before yesterday. They appear in very good order.

I have been especially interested in the transgressive specificities of these phages. Unfortunately, none of the eight strains of *Salm. bovis-morbificans* that we have here appears to respond either to A3 or to A1. It would save us a good deal more preliminary work if I could have the particularly strains of *S. bovis-morbificans* and of *S. paratyphi C* that are mentioned in table V of your 1950 paper (JPB 62,501) as susceptible to A1, A3 and B4, respectively.

To answer one of the questions I put to you in my previously letter, I have picked up a few of the rough-specific phages mentioned by Burnet. A rough variant of your 1404 strain, obtained very readily from aged broth cultures, serves as indicator. You can find such a phage without difficulty in culture "LT-3", which I hope Dr. Stocker will have brought to you. LT-10 appears to have one also, but this is less readily brought out.

Yours sincerely,


Joshua Lederberg