Dr. D. W. Bruner Dept. Veterinary Science Cornell University Ithaca, N.Y.

Dear Dr. Brumer:

I might mention first that I recently spent a couple of weeks at Chambles with Dr. Edwards, where I had a chance to belster my very weak background in Salmonella serology. A number of problems have come up out of that work, and since, for which Phil suggested you might have some materials that would complement has own. In addition, I have tried to summarize a few other items which may possibly some to your attention, and for which I would be most grateful if you were able to provide them.

- 1. S. napoli. Edwards' single stock oulture is unsuitable. It was thought that it might be a good idea to try to set up a monophasic lz₁₃1-- by transduction. Do you have any others (up to half a dezen or a fozen could profitably be tested).
- 2. A. abortus-equi. The stock, #26, is giving some interesting results I would like to try to generalize with two or three others.
- 3. -11,2 phases in group B (or D). I have already Ky. stock #157, and two or three more recent from Phil (including #191: "Theill"), which are all behaving quite differently, and confusingly. Have you seen any others?
- 4. Any stable non-motile variants (except, of course pullorum-gallinarum). We are working up methods for the transduction of motility, so as to unmask the flagellar antigens, and can already do this rather generally in B-D groups. For example, an outbreak of an untypeable group D in calves and pigs in Guatemala, in 1951, proved to be all S. dublin. I would like very much to be able to extend this type of study, and would be equally interested in miscellaneous strains, and in any collection from a single outbreak. We hope eventually to be able to handle the other & groups, as well as B and D, so that any material at all would be welcome in so far as it does not duplicate what Phil has already placed at my disposal.
- 5. I have been reading your recent notes on phase changes with great interest, May I count on a periodic exchange of relevant papers?
- I fear this letter is all ask, and no offer. If I can reciprocate in any way, please let me 'mow,

 Youre sincerely,