

4/7/52

Dear Hayes,

Thank you for the copy of your letter to Lederberg. I have been very interested by your findings; as to the filtrability of F, it has s<sup>ur</sup>prised me somewhat because I have not been able to get sterile filtrates using collodion of 0.74  $\mu$ D (of German make) even under as little pressure as 80 mm Hg. The filtrates I got were turbid. Using filtrates with smaller  $\mu$ D they were sterile but had no transforming activity. Lederberg writes his wife has got some indications of F+ activity in phage lysates; have you tried this way?

I have written to Lederberg and sent a copy of the paper for JGM. I therefore hope that I shall be able to let you have it before the middle of the month; do you think you could send ~~our~~ <sup>our</sup> manuscript ~~over~~ <sup>directly</sup> to the Editors, after having made the use of it which you may like, or should I better send it to the Editors directly? In the recommendations to authors, JGM editors ask that contributors from outside Britain name a person to correct proofs, who has domicile in Gt. Britain. In case they ask me specifically for doing so, can I name your person? Sorry for the trouble, but I do not see who else could have the competence about the ~~paper~~ <sup>stuff</sup>, which you have.

I am really working hard, but little of this goes to the problems I am more interested in. I have a deal of organising work beside the one, which you know, and which is almost finished now.

It will be nice to see you again at Pallanza, and hear of your latest news. As I wrote you, you can use as long as 40' for giving your paper. As to myself, I may <sup>ev</sup>er give the paper, of which you will see the copy for JGM, or else just say a few words in the discussion of your paper, as there will probably be a number of overlapping things, which people attending the meeting need not hear twice. I should give you priority in speaking, so as to leave you free room and time; as I shall have to take care of local arrangements, I would not mind giving up entirely my paper.

I shall be away from the 20th of July to approximately the 10th of August. I should attend -as an outsider!- the Biochemistry Congress at Paris. For the rest of the time I shall be in Milan -where we are experiencing a very hot weather. With best greetings to Mrs. Hayes

Yours sincerely

P.S. In repeating so me of your experiments with streptomycin, I could not obtain good yields of prototrophs with "sterilised" cultures. At which pH did you let streptomycin act on bacteria? Have you checked whether any other agents can suppress colony forming capacity, without altering prototroph formation? I have so me slight indication that heat (60°, 1/2 hour) may do so.