



KAROLINSKA INSTITUTET
STOCKHOLM 60, SWEDEN

January, 25th, 1960.

DEPARTMENT OF BACTERIOLOGY

Professor Joshua Lederberg
Dept. of Genetics
Stanford
Palo Alto, Calif.
USA

Dear Prof. Lederberg,

About a year ago I became interested in the cultivation of microorganisms under high pressure and several sidelines soon developed. One concerned the effects of very high pressures on phage-infected E.coli B. The controls, where uninfected cells were exposed, unexpectedly yielded plaques, so we had to assume that induction of some prophage had taken place. From the morphological point of view the "new phage" resembles T5 but it seems to differ from this virus in certain respects (burst size etc.).

One of our present problems is that we don't know anything about the prevalence of the phage in other B lines. Our particular strain has been used in this laboratory for more than ten years, and it would be interesting to know, if the phage we induce is also found in the B-strains from other laboratories. Could you possibly send us the regular B-line which is used in your laboratory plus any mutants which you think we should check for this peculiar kind of lysogenicity. I enclose a copy of a manuscript which has been sent in for publication.

Recalling with great pleasure our contacts in the past, I remain

Yours sincerely

C.-G. Hedén

Asso. prof. M.D.

P.S. Letters similar to his one are also sent to Drs. Cohen, Delbrück, Hershey, Luria and Spiegelman.