

8/31/'60

Dear Josh and Esther

Now I am leaving London to Paris with pleasant memories at Lister Institute, and ~~the~~ ^{enjoyed} sight seeing ^{trips} to tower of London, Westminster abbey, taking a ferry to tower bridge, Buckingham palace, etc. during the stay.

As for my work, I spend most of the time on linkage analysis of a *cinogenic* (γE_1) factor E, using Zinder's mating system in LT₂. Data is still not enough, though, looks to me, E₁-character (γE_1) shows clear cut segregation in its progeny contrasting induction where no segregation has been shown. (by I)

If E₁ is on the host chromosome, there may be a ^{special} ~~mechanism~~ ^{method} to pick E₁ up by I, or activating E₁ by I at the time of transfer.

And also, ^{I enjoyed} ~~did~~ co-working with Dr. Heynell who ~~has~~ ^{is} intent to do genetic analysis on pathogenicity of Salmonella, to make mating

(Heynell's told me about ~~your~~ joyful pleasant memory ^{as you} at the time of your stay at London. and I have ~~and~~ heard many good stories from them. Now, they bought new home, and enjoying set up of their home. I met Peter at Hill all too, and enjoyed to talk with him.

system in cross *S. typhimurium* x *S. typhi*, and *S. enteritidis* x *S. typhi*, by infection of F' or wild type F to those strains. Zinder's Hfr seems compatible in cross x *S. typhi*, and it is possible to infect F₃ to a *S. enteritidis* strain. During those studies, I am interested to study on those pathogenic bacteria where so many things were not known.

Bruce has been stay in his home at most of the time of my stay in Lister because of his summer vacation and writing papers and so on.

But he started some experiments using *B. subtilis* which is sent from Stanford recently, seems to me, he is very much interested on that work hoping that will have big success in near future. A work on o-methyl-lysine mutant of flagella protein and the genetic analysis which is done in this lab. seems very exciting from a point on ^{genetic} ~~the~~ mechanism for modification of protein constitution. This kind of mechanism may be ^{quite} general one.

Anyway, I spend very fruitful ^{days} ~~stay~~, and this is due to your thoughtful arrangement. Thanking you.

Sincerely yours. Y. Hirota