Personal Memo from
JOSHUA LEDERBERG

R. Bachmann

MAY 7 1985

Dear Barbara

K-12 fundamentals.

It is a (notorious) coincidence that most of the mapping I did in 1947-48 involved markers in the first 10 mins. When we picked up Mal, Str by 1957 we had to draw "non-linear" maps, as you know. The Wilkins et al. discovery of progressive DNA transfer revolutionized how we have to look at mapping.

We nevertheless had some reservations whether that was the whole story; and I have now been returning to some more

Personal Memo from
JOSHUA LEDERBERG

thinking about that.

Barbara, my question to you is for bibliography, perhaps 1960–1985, on crossing-over in K-12 crosses specifically involving markers – through the larger part of the chromosome, and over intervals of multiples of 10 minutes. To allow for progressive transfer, these might entail selection for distal markers, and with well-defined, stable Hfr males.

I hoped that you might have biblio

Personal Memo from
JOSHUA LEDERBERG

grasping at your fingertips that would take me weeks to assemble. I haven't really thought about this problem in 15 or 20 years, so even the obvious might be helpful to me.

Yours,

Joshua

THE ROCKEFELLER UNIVERSITY NEW YORK 10021