X... ots ✓ 6/24/93

Personal memo from
JOSHUA LEDERBERG

Prof. John Preer
Biol Indiana

JUN 23 1993

Non conventional genetics.

Dear John –

I liked your review very much; beautifully written and an excellent encapsulation of history and current status. Thank you for the reprint.

I've been thinking about alternative "steady states" and speculate about another mechanism.

Initiation of transcription seems to be both favored by and a proximate cause of supercoiling. Cf Wang and others on waves of supercoiling of PNAS 89:1461 (1992). So there may be a positive feedback loop under conditions of marginal exogenous induction. I'm not sure this isn't the correct explanation of the old Novick-Weiner expts.

p.399 Why ciliata? Just being such huge cells may have something to do with their reliance of on local satrapy.

3.45
p 294

magnetotaxis

+ TK/2

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Magnetosomes. I hadn't heard of magnetic induction before. Beautiful!

All best wishes,

John

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