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Personal memo from
JOSHUA LEDERBERG

Prof. John Lee
Biol. Inducing

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Non conventional genetics.

Dear John -

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

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

Initiation of transcription seems to be both favored by and a proximate cause of supercoiling. If Wang and others on waves of supercoiling of PNAS 89:11464 (1992).

So there may be a positive feedback loop under conditions of marginal exogenous induction. I'm not sure this isn't the exact explanation of the old Novick-Weiner expts.

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

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P. 399

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

All best wishes,

John

magnetotaxis

+ TX/2