

KERCKHOFF LABORATORIES
OF BIOLOGY

2/1/49

Dear Josh:

I've just finished reading your review in "Heredity" and feel moved to congratulate you upon a terrific job well done. I casually asked Beadle what he thought of it and he said he thought it was prodigious. I think this point of view will be shared by all who read it. ... Now that I've littered you up, may I ask for a reprint?

You may remember that I said I'd try to arrange to have you out here as a guest lecturer some time. You may have come to think that this was an idle promise, but I assure you, this is actually in the works. I think you will be approached to come out here sometime next fall, if you can possibly manage it. I hope that when you do you will give us the honor of staying with us. I think I can say that there will be a tremendous amount of interest in what you have to say.

As you may have noticed from the Jan. 1949 PNAS, we are now working on some riboflavin-sensitized photo-reactions which we believe are of great importance in the normal physiology of the plant. Among the substrates for this photo-reaction are indoleacetic acid, tryptophane,

KERCKHOFF LABORATORIES
OF BIOLOGY

-2-

histidine, tyrosine and methionine. Furthermore, we have found that various proteins (3 enzymes, tried at random, + immune proteins) are readily photoactivated when suspended in riboflavin. Still more interesting is the fact that we have found (working in Delbrück's lab) that bacteriophage T₆ may be rapidly photoactivated, though ~~with~~ different kinetics to the reaction. It struck me that since our system can affect nucleoprotein, should it not be mutagenic? I have mentioned this idea to several people, some of whom scoff at it, + others of whom are actually doing some experiments. I thought I'd pass the word on to you -- + if you want to test the system for mutagenicity, using your bugs, I'd be most happy to have you do it. If you need any more details, write me.

As you probably have heard, we have another child, now 4 mos. old. Sex ♀, name Beth. We're quite happy over this completion (we hope) of the family circle according to plan. Dale is now feeling so perky that she is taking a

KERCKHOFF LABORATORIES
OF BIOLOGY

- 3 -

job as a nursery-school teacher 2 mornings
a week.

We have just contracted for a fine apartment
just 5 minutes walk from the institute. I am
quite happy over this, since it ought to facilitate
much of my work, as well as being more pleasant
in general.

As far as Neuro^{no}psychology here is concerned, it seems to
be pretty completely biochemical, except for some
Houlahan work (soon to be published) on linkage
maps. Horowitz is also fussing a little with the possibility
of using naked nuclei in some crosses.

Well - that's all the gossip for now - I hope
we meet again soon.

Sincerely -

Art

Best regards to
Eather