

The University of Chicago

CHICAGO 37, ILLINOIS

Institute of Radiobiology and Biophysics

Saturday  
1/19/52

Dear Josh,

Please forgive the typing.

Byland likes your idea for a fixed hydrophobic  
medium. We had almost finished (pen went dry)  
because it would slowly clog, gradually decreasing the flow  
rate - despite very careful clarification with an even  
finer filter. Capillaries we rejected for fear some crystal  
say of  $MgNH_4PO_4$  might clog the whole hole. But your  
design should be free of this trouble. We may try it.

When Delbruck was here he said that Vogt had  
been studying the microcolonies on a recombination plate.  
Apparently, a very small fraction contain very "old" bacterial  
forms. The suspicion, of course, is that these are  
"gamete producers" or the like. This is all I know about  
it.

I got a letter from Tatum about a round table for  
SAB meeting in Boston. Never having been in Boston and  
having some good friends there, I accepted. I hope your  
guys are coming. I think Jane will also come.

By the way, we are going to have a baby in August.  
Just got confirmation on Thursday, you guys are next.

We have been having many headaches in the lab.  
No clear picture of regulation of amino acid synthesis has  
appeared. I thought it was all wrapped up 2 days ago.

Incidentally I told you how our B/10 makes  
a tryptophan like substance in high concentration.  
We have tried some ten other independent B/10 isolations  
and none of them pour this stuff out. I'd like to try  
the "evolved B/10". To save me opening a new hypodermic  
tube could you mail me a slant from the tube I sent

you. Simply deep freezing the whole slant seems to work fine. We get large recoveries after many months in the deep freeze. I ~~should~~ recommend this scheme to you

Your tale about 679 reminded me that it (at 689, ...) also showed ~~the~~ a difference in <sup>photo</sup> reactivability from K-12 and the others. Does this mean that Tetam picked a triple mutant?

Two favors. 1) I'd really like to read the Howard MS and promise to mail it right back. Can we borrow it? 2) Next time you buy some velvet could you buy me a few yards? I bought some but it doesn't work too well though I haven't really played with it enough.

Let me give you our new address. 6105 Kimbark - Chicago 37. Kimbark is 2 blocks east of University (our old side street). Our phone number remains the same - Midway 3-1959.

How's about the dates you'll be here so we can leave them open for sure. Want to see a play? We can get tickets at some reasonable price in advance.

Did you see New Yorker Talk of the Town last week? Shikimic acid has definitely arrived.

Best regards (to either too)

Carson