November 12, 1952

Dear Dave:

I have to be very apologetic about not answering you sooner. Mostly, I could not make up my mind whether you would want any of the cultures we do have. I may as well just list them, and I will send back any of these you want by <u>return mail</u>.

Actually, I was surprised to see how very few purineless mutants we have gotten. An adenine-thiaminless turned up frequently in Esther's lac⁻ experiments (see last Genetics) but these are usually rather unstable, being strongly selected against on nutrient agar. We did send some of these once to Bernie Davis; perhaps he saved some. In addition we have (I hope) the following K-12 derivatives:

W-589 (= E. Kann/Luria 175 12) Adenine; tryptophane

W-590 (= Luria 109A) This is a funny one; it seemed to be adenine or (guanine + uracil)

W- 1278 (Novick's) Hypoxanthine (or adn or guan, not xanth)

58-5417 biotin uracil

also, single lyophil tubes (from Ed?) of

58-5273 biotin, adenine

58-5631 : You tell me what this is.

In another coli line (wg-11) we have W-1926 : threonine + purine (not adenine, but diaminopurine ok). Bernie has this too; so do we.

We have some more in Salmonella and Pseudomonas, but I didn't suppose you could use these.

We have no vitaminless coli (exc. biotin and thiamin) worth mentioning. Maas has some panthothenate mutants.

I hope the good new of your last letter has materialized.

Contritely,

Joshua Lederberg