

The School of Medicine
UNIVERSITY of PENNSYLVANIA
PHILADELPHIA 4

DEPARTMENT OF BACTERIOLOGY

January 9, 1951


Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison, Wisconsin

Dear Dr. Lederberg:

I am at present involved in various problems of tryptophane biosynthesis in E. coli. In part, these studies have included analyses of tryptophane requiring mutants obtained by the penicillin method with Strain B. Depending upon alternative requirements for anthranilic acid and/or indole as well as chemical analysis of accumulated intermediates, I have obtained five types of tryptophane auxotrophs. Certain genetic implications which would not be solved with Strain B have led us off into isolation of tryptophane requirers of K-12. After repeated attempts we have but one such mutant. This also responds to indole.

If you have any tryptophane requiring mutants of K-21, we would greatly appreciate transplants of as many different genetic types as may be available. Such organisms will be of great help in our investigations.

Sincerely yours,


Joseph S. Gots

JSG:dab