

YALE UNIVERSITY  
OSBORN BOTANICAL LABORATORY  
NEW HAVEN, CONNECTICUT

December 7, 1951

Dr. Joshua Lederberg  
Dept. of Genetics  
University of Wisconsin  
Madison 6, Wisc.

Dear Josh:

Your suggested investigation of genetics of actinomycetes appears worth at least preliminary study. I happen to have a few mutants of S. griseus which we have made with x-rays. Most of them are single markers, but there is an arginine-less and uracil-less "double" and perhaps some multiple deficiencies for amino acids. If you would like to have some of these cultures I will send them to you. Dr. Couch at the University of North Carolina has some special water actinos which appear to form sporangia, and I have wondered whether his cultures may have some value in genetic work.

Let me know if you want some mutants and I'll get them out of lyophile tubes. Can you send us a description of your silica gel method of preserving cultures?

Best wishes,

Sincerely yours,



Paul R. Burkholder

PRB:gb