Dear Josh,
Tis a cloudy, cool day - somehow just right for letter writing. First in answer to your questions: Yes, we have an $S_{m}{ }^{R}$ DAP $^{-}$(from $w 331$, Davis's culture). A table will be easier than trying to explain its behavior.


* only visible microscopically be laved asserted. Sm severely but not
as you can see, the controls bet er completely inhibits both ex-andintrinifily induced L colonies; also, the presence of $\operatorname{Sm}$ with penicillin seem to make the pen. rather inhibitory, at least in the intrinsically induced form where the effect is distinguishable. In trying to find the effect with zonal penicillin, I evidently didn't hit the level right or used too heavy an inoculum. This is probably irrelevant, but "w3231 was quite reluctant to produce an $\operatorname{Sm}^{R}$.

Yes we have more mutants, font all messy ones, found in strains that are poor formers of colonies. There are 20 altogether and none is a complete block $\%$ they are mixtures of rods, $T$ 's, and grotesque cells, some of which are reparable with hydrolysate. The non-rod forms are move noticeable in agar than in broth, where the rod form gains momentum too fast. The broth results are confused by the presence of a geod deal of gunk from the hydrolysate, a recently made batch. I haven't yet tried, DAP as e substitute for hydrolysate. These mutants are being maintained in agar for fear of losing them altogether in broth.

Yes more thin sections ave on the way. Both agar and broth forms-ineluding plain agar - are imbedded but not sliced, which I intend to spend next week on. Am still having trouble getting the methacrylate as hard as it should be. There are some information less $\bar{a}$ micrograph of Proteus $L$ forms in august J. Gen. Microbial. - geld steeled - no clearer or move detailed than photographs.

The square petri plates have still not came. The delay is at the manufacturer's end, for purchasing has sent them 2 levers and is still trying to find what happened. Youll probably be back by the time they arrive. If they come reasonably soon, would you like one sent by air rather than surface?
I sent the manuscript to Porter a fee days after
receiving it. I retyped it myself because the secretaries were too busy, but they are doing the copy to be dittoed. They said it may take a while. And speaking of manuscripts, the proof of your virus, genes, etc. review for the Texas journal, was in poor shape. In some places whole lines were omitted, so made the move extensive corrections on a separate sheet. The Bact. Revs. proof was nearly perfect.

till after you return -
wlach reminds me - are
you goim to Calcutta?
Sounds like a fire
opportunity since you have
to go half way around the
world whichever way you
90.
The weather here
has been ideal for the
past couple of weeks
coolish + clear -until
today when an overeast of
clouds rolled in.
And how can I forget
to mention the world
Series? For shame! It's
hard to avold, for the
darned thing is blaring forth
from radios practically
everyplace you go. Anyway
so far WERE WINNING
Welt, Ive run out
of space as well as
inspiration. "Hi" to
Esther.

## Yours, Jacky

