June 9, 1949.

Dear Max:

I as conding W-206, which is an "F-2" between yote inbred: i.e., it is derived by proceeding two segregants from the original H-1. This stock was prepared to test the "translocation theory" which I outlined at Cincinnati. In order to facilitate the analysis, a Mal- entation was induced in one of the segregants (NeXTXX W-478) used as a parent, so that W-206 is haterozygous both for Lac₁ and for Mal. However, the Mal mutation is definitely not the same as the one in the previous crosses, which has always come out <u>hemi-</u>zygous. The segregation data for Lac and Mal are quite abnormal for W-206, so the translocation theory is not substantiated. However, it may be an interesting culture for single cell work because it is an F2, and because the segregation ratios for Lac and Half/- are as close to equal as I have yet seen. The abnormality is in the co-segregations: The relative frequencies, in X, of the possible combinations of Lac and Mal are:

Mal- Mal/	Lac- Lacy More than think the 31 0 picking to 38 31 or at lea	More than in any other stock, I
		0 31

Unfortunately, my stock of H-168 has completely dissociated, and I have been unable to recover the heteroxygete. Peculiarly, 6-111, which is presumably a single cell isolate from it, is <u>pure</u> Xyl-, although segregating for Lao, Mtl, etc., and I wonder if a "partial" segregation may not have occurred. It is also conceivable that H-168 originally was a mixture of two heteroxygotes, one Xyly, the other Xyl-, and to check these points I am very anxious to try to recover as early a stock as possible. That was the eccasion for the airmail post card.

The story is at least as enignatic as ever.

Sincerely,