Dr. D. Lowis,
John Inaes Hortioultural Inatitation, Mostya Roed, Merton Pk., London Sil 19, England.

Dear Dr. Lewis,
Thank you for your note of 25 Dot. As you might imacine, I have also been moh lepreased with the parallelism of technique and philosophy that partains to the genetica of aicrobes, and of pollen. Indoed, I was atrongly tamptod to isoluded a discuasion of the male gamotophyto and of tiscre cultures in my recent review, under the general heading of "cellular genetice." It has eeemed to me that if the problea of the continued propagation of the gametophytes of higher plants sould be solved, that one would have the beat material imaginable for physiological genotio stadies.

Is attompte to IInd qualitative afferntuleme of gono functions in bactorla have not jot been auccessful. The most promining material has consisted of certeln mutations which affect the production of several onaymee (e.g. glucozymase, maltase and lactase) at once, but attempts to IInd alleles io which some of these functions are represented have generally resulted in "suppressor" mutations at other 1001. Iy lookiag for antational losses, in turn, in these suppreserr stocks, however, we hope to gain some inkling of the previous functions of these "suppressor" loci. However, an allele of one of the mutents has been found wich is temperature eeneitive, and which shows a distinct tomperature threahold for ite averal effects and this night be regardod as a aplitting of the apecificities of the gane. In general the cenetio deternination of enzyma specifities hat tarned out to be far nore complex than I would have imagined a priori from the onemtomane genaralization.

I ahall be glad to sond you the reprinte jou anked for at soon at I recolve the eat of ny roview in Horedity, and look forward to a oontimaed exohange of oar Ideas and publioations.

Tours alporely.

Jombere Lederbare Aeaintant Profeanor of Opaptios.

