

4 August 1932.

Dr. S.C. Harland,
Cotton Research Station,
Trinidad,
B.W.I.

Dear Dr. Harland:

Many thanks for writing to me on the further work with Crinkled Dwarf. As you know, I think you have got hold of a case of very great evolutionary importance, and apart from anything further, you have already demonstrated two points of cardinal importance (i) that whatever may be its explanation, modification of dominance in the course of evolution is a fact, and (ii) that it is brought about by a multiple factor mechanism and not by multiple allelomorphs. I am very glad also that the incompleteness of the dominance in Upland has now been clearly demonstrated: it was not quite explicit in your Journal of Genetics paper.

The increased boll yield in heterozygous crinkled in Upland is odd, but it does not follow from this that the genotype is at a selective advantage in wild conditions. The partial crinkling of the leaves is, I imagine, unquestionably a deformity, and in itself disadvantageous. It might be important to find if it is much influenced by nitrogen

abundance.

I very much hope you will carry on crosses with other sections of the Peruvian group further than was reported in the Journal of Genetics; only so can we hope for a clear answer to some of the problems you raise in that paper.

Yours sincerely,