

6th March 1935

Dear Harland,

Many thanks for your long and most interesting letter of the situation in crinkled cotton. It is delightful that you should find evidence, both of differences in the normal allelomorphs and in genetic background. In this connection one possibility occurs to me which you might find worth thinking over in relation to some of your results. Namely, that, although the inheritance found is I believe, quite strictly diploid in the American cottons, yet since the chromosome number is in fact double that found in the Asiatic species, it is not improbable that the locus of crinkled, and indeed most of the loci has been duplicated. One possible result is this, that ^{hilds} allelomorphs of crinkled may, in some strains, have taken the place of the normal allelomorphs in one of the duplicate loci, and this, if true, would give the appearance and really not even a deceptive appearance of differences in the normal allelomorph. The effective difference which this introduces is that the contrasts you have observed, might even have come about in nature or cultivation, through recombination of constituents

at more than one locus instead, of what is generally rather difficult, by selection within a multiple allelomorphic system.

I shall be much interested to see the complete publication.

With very many thanks.

Yours sincerely,

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