2nd March 1934.

Professor Winge
Carlsberg Laboratorium,
Copenhagen.

Dear Professor Winge,

Many thanks for your letter of
February the 26th. It is most interesting to me
to hear that you have found indications of variations
in recombination frequency in the different lines.

It would be further of very great
interest if the hereditary nature of these differences
could be examined, and if they are accompanied by
any recognised cytological differences.

The absence of single plants carrying
the pollen lethal only is interesting, but not yet
I think alarming. Even if the expectations were
fully 1 in 3, the absence of any from at most 10
cases might have occurred by chance. Moreover,
these plants should be more weakly than the others
with perhaps 80% viability, so that the expectation
may not be much more than 1 in 4. Thirdly, is it
certain that crossing-over is as frequent in the
maturation of the ovules as in that of the pollen? The missing type could, I think, only come from cross-
over pollen. If most of the crossing-over takes place in pollen formation one might expect also a small proportion of double plants carrying v which might perhaps be recognisable.

I gave the substance of my paper at a meeting of the British Association last year, Miss Saunders was there, but apparently scarcely knew of your work. All she could say was that the subject needed re-investigation, as though that was not just what you had done.

I am doing some breeding work here with mice, snails, and grass locusts (Orthoptera), but so far not with any plants, as I have no green house or garden, though if I could afford it I could find room near my home in Harpenden. I am particularly interested in the trimerphic plant, lythrum salicaria, on which East in America, and Mrs. Barlow in England have done considerable work, though without so far clearing up the genetic situation. I am, however, no botanist, and so far have had no experience with plant genetics.

Yours sincerely,