

4 April 1945

— 55822

Dear Richardson,

About your rabbits, I think it very probable that the homozygote is less visible, and I think it would be worth while to establish the fact. One way I think of for proceeding, given the kind of data you seem to have, would be that, if at the time of a death there are

	a	Charlies
	b	English
and	c	Selfs,

then expectations of

$$\frac{a}{a+b+c} \quad , \quad \frac{b}{a+b+c} \quad \text{and} \quad \frac{c}{a+b+c}$$

should be listed for the three types, with a realisation of one under the type to which the rabbit belongs. Then after about 50 deaths you have a basis for comparing expected with observed in ^{the} three classes, and a χ^2 with 2 degrees of freedom for this comparison.

This seems to be not quite what you have in mind, but it may be worth thinking of.

Yours sincerely,