

10 March 1944

Dear Haldane,

Thanks for sending me your remarks on Olbrycht's thesis. I am glad you think that what he has done does suffice, though barely, for a Ph.D.

Olbrycht has some knowledge of the varieties of pied mice carried in my own stocks, but I think he could only have gone into this question at the expense of an inordinate expansion of his paper, which had indeed only one, but one sufficiently important, point to make. I imagine one could easily reproduce the Wesson phenomenon in mice, using the new recessive *Belad* and appropriate modifiers. I return the form signed but blank, so that an appropriate version of your report can be typed in the space provided.

On your statistical problem, the form you have for R seems certainly an awkward one. In view of the denominator, I suppose

that the numerator ought to be broken up into orthogonal components such as those I used in Tests of Significance in Harmonic Analysis, Proc. R. S., A 125:54-59 (1929), though these will not have unitary coefficients. I should however hope that the coefficients would vary only little and this might give you limits between which other more complicated quantities may be expected to lie. I should however need to know more about the actual problem before I could say anything much more useful than this.

Yours sincerely,