CORRIGENDUM

THE EQUILIBRIUM OF A SELF-INCOMPATIBLE POLYMORPHIC SPECIES – A CORRECTION

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In 1952, I published a study of equilibrium conditions for a plant species that mates at random but is constrained by self-incompatibility of phenotypic classes. The paper discussed equilibria under the alternative conditions of pollen and zygote elimination, the former being what normally occurs in nature but the latter having somewhat greater mathematical simplicity with the added convenience that in some circumstances the two types of equilibria must coincide. Professor E. Novitski (University of Oregon) and Professor A.D. Fabergé (University of Texas at Austin) have very kindly drawn my attention to several places in the text at which I stupidly interchanged two important words. Since 26 years have elapsed before anyone told the author of his errors, they might seem unimportant. However, a recent publication by Nagylaki (1977; see also Moran, 1962) suggests that there may be a revival of interest in this class of problem; the errors should therefore be acknowledged and corrected.

The word 'zygote' should be replaced by 'pollen' on page 42 line 15, page 43 line 4B, page 45 line 5, and page 46 line 17. The word 'pollen' should be replaced by 'zygote' on page 43 line 13 and page 46 line 18. In Sections 9-11 of the paper, the words are correctly used. Section 12 contains a number of numerical examples of anisoplethic equilibria, in which zygote and pollen elimination give slightly different results. I believe that the two words are used correctly throughout the section, but unfortunately I no

longer have the details of the arithmetic from which I could verify this. Since the examples have no intrinsic interest beyond indicating the extent to which the two types of equilibria may differ, I do not think it necessary to go further here. The original calculations took many days on electromechanical calculators, but today they could be repeated and improved with great ease on a small computer by anyone who wishes to verify or to extend the work of Section 12.

References

- Finney, D.J. (1952) The equilibrium of a self-incompatible polymorphic species. *Genetica*, 26, 33-64.
 Moran, P.A.P. (1962) *The statistical processes of evolutionary theory*. Oxford: Clarendon Press (pp. 163-171).
 Nagylaki, T. (1977) Selection in One- and Two-Locus Systems. *Lecture Notes in Biomathematics*, 15. Berlin: Springer-Verlag. (pp. 115-122).