

The angular transformations of the allele frequencies were used in the analysis of variance shown in table 3. A considerable part of the total variation obviously is due to the differences between the alleles ( $P < 0.001$ ), but two of the interaction items are noteworthy also. The interaction of the populations and alleles indicates a significant degree of genetic isolation between the cod stocks ( $P < 0.01$ ), and the interaction of alleles and years ( $P < 0.05$ ) suggests that random genetic changes occurred in the Faroe cod stocks between May 1966 and March 1967.

The total samples of typed cod for the Plateau were compared with the total for the Bank. This overall comparison resolved itself as a  $2 \times j$  contingency for the two regions and the five ( $j$ ) alleles. A  $\chi^2$  value of 14.17 for four degrees of freedom showed that the probability of the genetic coincidence of the two cod stocks, on transferrin data alone, is less than one chance in a hundred.

No sub-population sample of Faroe cod appeared to have collected recruits from a genotypically distinct stock, since the observed numbers of genotypes showed good agreement with the expected numbers in table 1.

This demonstration using cod serum protein types supports the opinion that two distinct breeding stocks of cod are fished at Faroe, and that their conservation is basically two problems.

*Acknowledgments.*—We are grateful to David Thompson and David Simpson for technical assistance; to the Scientific Civil Service for a research fellowship (A. J.); and to Dr H. A. Cole for laboratory facilities and encouragement.

#### REFERENCES

- MØLLER, D. 1966. Genetic differences of cod groups in the Lofoten area. *Nature*, 212, 824.  
 JAMIESON, A. 1967. New genotypes in cod at Greenland. *Nature*, 215, 661.  
 JONES, B. W. 1966. The cod and the cod fishery at Faroe. *Fishery Invest., Lond.*, Ser. II, 24(5).

#### BOOKS RECEIVED

- MENDEL MEMORIAL SYMPOSIUM. BRNO. 1965. Milan Sosna (Ed). Werner Flach, Frankfurt and Main. 1967. Pp. 287.  
 BANTAMS FOR EVERYONE. Easom H. Smith. London Iliffe Books Ltd., London. 1967 Pp. 188. 25s.  
 THE GENETICS OF NEUROLOGICAL DISORDERS. R. T. C. Pratt. Oxford University Press, London. 1967. Pp. 310. 80s.  
 INTRODUCTION TO ANIMAL PHYSIOLOGICAL GENETICS. E. M. Pantelouris. Pergamon Press, Oxford. 1967. Pp. 497. 75s.  
 THE COLD WAR IN BIOLOGY. Carl C. Lindegren. Planarian Press Inc., Michigan. 1967. Pp. 113. \$6.50.  
 THE DEVELOPMENT OF SEX DIFFERENCES. Eleanor S. Maccoby (Ed). Tavistock Publications Ltd., London. 1967. Pp. 351. 60s.  
 THEORETICAL AND EXPERIMENTAL BIOPHYSICS. Arthur Cole. Edward Arnold (Publishers) Ltd., London. 1967. Pp. 397. £6. 6.