

A.W.F.Edwards

Scientific Publications

(including only major book reviews and abstracts)

1957

- 1 The proportion of umbra in large sunspots, 1878-1954. *The Observatory* **77**, 69-70.

1958

- 2 Number of mating types required for balance in multipoint linkage programmes *Nature* **181**, 503-504.
- 3 An analysis of Geissler's data on the human sex ratio. *Annals of Human Genetics* **23**, 6-15.
- 4 The sex distribution in the offspring of 5,477 Swedish ministers of religion, 1585-1920. *Hereditas* **44**, 447- 450. (With M.Fraccaro)

1959

- 5 Some comments on Schützenberger's analysis of data on the human sex ratio. *Annals of Human Genetics* **23**, 233-238.

1960

- 6 The meaning of binomial distribution. *Nature* **186**, 1074.
- 7 Natural selection and the sex ratio. *Annals of Human Genetics* **24**, 239-244. (With W.F.Bodmer) Reprinted in *Group Selection*, ed. G.C.Williams. Chicago: Aldine-Atherton, 139-149 (1971) and in *Demographic Genetics*, eds. K.M.Weiss and P.A.Ballonoff. Stroudsburg, Pennsylvania: Dowden, Hutchinson and Ross, 88-93 (1975).
- 8 Distribution and sequences of sexes in a selected sample of Swedish families. *Annals of Human Genetics* **24**, 245-252. (With M.Fraccaro)
- 9 Models in Genetics. Symposia of the Society for Experimental Biology **14**, *Models and Analogues in Biology*, 6-12.
- 10 Natural selection and the sex ratio. *Nature* **188**, 960-961. Reprinted in: *Group Selection*, ed. G.C.Williams. Chicago: Aldine-Atherton, 158-160 (1971).
- 11 On the size of families containing twins. *Annals of Human Genetics* **24**, 309-311.
- 12 On a method of estimating frequencies using the negative binomial distribution. *Annals of Human Genetics* **24**, 313-318.

1961

- 13 A factorial analysis of sex ratio data. *Annals of Human Genetics* **25**, 117-121.
 14 The population genetics of sex-ratio in *Drosophila pseudoobscura*. *Heredity* **16**, 291-304.

1962

- 15 A factorial analysis of sex-ratio data: a correction to the article in Vol. 25, 117. *Annals of Human Genetics* **25**, 343-346.
 16 The number to breed to be reasonably certain of being able to reject one of two hypotheses. *Heredity* **17**, 277-278.
 17 Genetics and the human sex ratio. *Advances in Genetics* **11**, 239-272.

1963

- 18 Migrational selection. *Heredity* **18**, 101-106.
 19 The measure of association in a 2 x 2 table. *Journal of the Royal Statistical Society A* **126**, 109-114.
 20 Estimation of the parameters in short Markov sequences. *Journal of the Royal Statistical Society B* **25**, 206-208.
 21 Human sex ratio and maternal immunity to male antigen. *Nature* **198**, 1106-1107.
 22 The limitations of population models. *Proceedings of the 2nd International Congress of Human Genetics*, Rome 1961, 222-223.
 23 A linkage for drawing the Normal distribution. *Applied Statistics* **12**, 44-45.
 24 Natural selection and the sex ratio: the approach to equilibrium. *American Naturalist* **97**, 397-400.
 25 The reconstruction of evolution. (Abstract) *Heredity* **18**, 553, and *Annals of Human Genetics* **27**, 104-105. (With L.L.Cavalli-Sforza)

1964

- 26 Infinite coprime sequences. *Mathematical Gazette* **48**, 416-422.
 27 Reconstruction of evolutionary trees. Systematics Association Publication No. 6, *Phenetic and Phylogenetic Classification*, 67-76. (With L.L.Cavalli-Sforza) Reprinted in *Cladistic Theory and Methodology*, eds. T.Duncan and T.F.Stuessy. New York: Van Nostrand Reinhold (1985).
 28 Analysis of human evolution under random genetic drift. *Cold Spring Harbor Symposia on Quantitative Biology* **29**, 9-20. (With L.L.Cavalli-Sforza and I.Barrai)

1965

- 29 Analysis of human evolution. Proceedings of the 11th International Congress of Genetics, The Hague 1963, *Genetics Today* **3**, 923-933. (With L.L.Cavalli-Sforza)
- 30 A method for cluster analysis. *Biometrics* **21**, 362-375. (With L.L.Cavalli-Sforza)

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- 32 Studying human evolution by computer. *New Scientist* (19th May) **30**, 438-440. Reprinted in *Evolution*, ed. M.Ridley, Oxford University Press (1997), 209-213.
- 33 Mathematical genetics. In *Teaching Genetics*, eds. C.D.Darlington and A.D.Bradshaw. Edinburgh: Oliver and Boyd, 121-124. (Reprinted with Appendix by A.W.F.Edwards).
- 34 Linkage on a circular map. *Genetics* **54**, 1185-1187.
- 35 Estimation procedures for evolutionary branching processes. *Bulletin of the International Statistical Institute* (Proceedings of the 35th session) **41**, 803-808. (With L.L.Cavalli-Sforza)

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- 36 Fundamental theorem of natural selection. *Nature* **215**, 537-538.
- 37 Phylogenetic analysis: models and estimation procedures. *Evolution* **21**, 550-570. (With L.L.Cavalli-Sforza) Also in: *American Journal of Human Genetics*, Supplement, **19**, 233-257.
- 38 Automatic construction of genealogies from phenotypic information (AUTOKIN). (Abstract) *Bulletin of the European Society of Human Genetics* **1**, 42-43.

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- 39 Natural selection and the de Finetti diagram. *Annals of Human Genetics* **31**, 421-428. (With C.Cannings)

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- 42 Statistical methods in scientific inference. *Nature* **222**, 1233-1237.
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- 44 Tristan da Cunha – the human biology of isolation. *The Listener* (16th January) **81**, 65-68. (With H.Lewis, D.Roberts, G.Keir, M.Richardson, J.Fisher and D. Tyrrell)

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- 46 Estimation of the branch points of a branching diffusion process. *Journal of the Royal Statistical Society B* **32**, 155-174.
- 47 Likelihood. *Nature* **227**, 92.

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- 48 Estimation of the inbreeding coefficient from ABO blood-group phenotype frequencies. *American Journal of Human Genetics* **23**, 97-98.
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- 50 Distances between populations on the basis of gene frequencies. *Biometrics* **27**, 873-881.
- 51 Science, statistics and society. *Nature* **233**, 17-19.
- 52 Mathematical approaches to the study of human evolution. In *Mathematics in the Archaeological and Historical Sciences*, eds. F.R.Hodson, D.G.Kendall and P.Tautu. Edinburgh University Press, 347-355.

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- 54 *Likelihood*. Cambridge University Press, pp. xv + 235.
- 55 Biological problems, and opportunities, of isolation among the islanders of Tristan da Cunha. In *Population and Social Change*, eds. D.V.Glass and P.Revelle. London: Arnold, 383-417. (With H.E.Lewis and D.F.Roberts)
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- 62 Population estimates from recapture studies. *Nature*, **252**, 509-510.
- 63 Interval estimation for the two-parameter double exponential distribution. *Technometrics* **16**, 641-642.
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- 75 R.A.Fisher's work on statistical inference. In *I fondamenti dell'inferenza statistica*. Firenze: Parente, 117-124. Reprinted in *Likelihood*. (Expanded Edition, with a new preface) pp.xix + 275. Baltimore: Johns Hopkins University Press.

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