

Journal of  
Biosocial Science

LAH

VOLUME 2, NO. 3

JULY 1970

EXECUTIVE EDITOR

A. S. Parkes

EDITORIAL BOARD

D. R. Brothwell

C. O. Carter

P. R. Cox

E. Grebenik

P. Sargant Florence

A. H. Halsey

G. A. Harrison

Raymond Illsley

John Peel

D. M. Potts

E. T. O. Slater

A. C. Stevenson

Barbara Thompson

Published for  
THE GALTON FOUNDATION  
by  
BLACKWELL SCIENTIFIC PUBLICATIONS  
OXFORD AND EDINBURGH

# JOURNAL OF BIOSOCIAL SCIENCE

Supplement No. 1

## BIOSOCIAL ASPECTS OF RACE

Proceedings of the fifth annual symposium of the Eugenics Society  
London, September 1968

### Genetic aspects

J. M. THODAY	Limitations to genetic comparison of populations
A. C. ALLISON	Natural selection and population diversity
F. S. HULSE	Ethnic, caste and genetic miscegenation

### Physiological and psychological aspects

D. F. ROBERTS	Race, genetics and growth
K. LANGE ANDERSEN	Racial and inter-racial difference in work capacity
HANS KALMUS	Ethnic differences in sensory perception
S. H. IRVINE	Contributions of ability and attainment testing in Africa to a general theory of intellect
HANS KALMUS	Comment: Olympiad Festival of the Nations, 1936

### Demographic aspects

WALLIS TAYLOR	Population prospects for regions of the world
JEAN THOMPSON	Differential fertility among immigrants to England and Wales and some implications for population projections
G. AINSWORTH HARRISON	<b>The Galton Lecture 1968:</b> The race concept in human biology

### Sociological aspects

JOHN REX	Race as a social category
IVAR OXAAL	Race, pluralism and nationalism in the British Caribbean
M. H. LYON	The role of the settlement area in British race relations
HENRI TAJFEL	Cognitive aspects of prejudice

*Price 60s (US \$8.50)*

Published for the Galton Foundation by  
**Blackwell Scientific Publications Ltd**  
5 Alfred Street, Oxford, England

# JOURNAL OF BIOSOCIAL SCIENCE

Supplement No. 2

## BIOSOCIAL ASPECTS OF SEX

Proceedings of the sixth annual symposium of the Eugenics Society  
London, September 1969

### Genetic and environmental aspects

- |                |   |
|----------------|---|
| C. E. FORD     | Cytogenetics and sex determination in man and animals |
| W. A. MARSHALL | Sex differences at puberty                            |
| D. J. WEST     | Aspects of homosexuality                              |

### Sex ratios in different populations

- |                  |  |
|------------------|--|
| A. W. F. EDWARDS | The search for genetic variability of the sex ratio  |
| M. S. TEITELBAUM | Factors affecting the sex ratio in large populations |
| P. R. COX        | Sex differences in age at marriage                   |
| ROSEMARY FIRTH   | The social images of man and woman                   |

### Comparative occupational performances

- |                    |  |
|--------------------|--|
| R. R. DALE         | A comparison of the academic performance of male and female students in schools and universities |
| B. T. DAVIES       | The comparative employability of men and women in different industries                           |
| KATHLEEN M. KENYON | <b>The Galton Lecture 1969: Women in academic life</b>   |

### Sociological aspects

- |                    |   |
|--------------------|---|
| ROBERT CHESTER     | Sex differences in divorce behaviour                  |
| FRANCES HEIDENSOHN | Sex, crime and society                                |
| K. BERGMANN        | Sex differences in the neurotic reactions of the aged |
| D. M. POTTS        | Which is the weaker sex?                              |

*Price 50s (£2.50); US \$7.00*

Published for the Galton Foundation by  
**Blackwell Scientific Publications Ltd**  
5 Alfred Street, Oxford, England

# JOURNAL OF BIOSOCIAL SCIENCE

## Notice to Contributors

The *Journal of Biosocial Science* publishes original papers, reviews, lectures, proceedings and major book reviews dealing with social aspects of human biology, including reproduction and its control, gerontology, ecology, genetics and applied psychology; with biological aspects of the social sciences, including sociology, social anthropology, education and criminology; and with biosocial aspects of demography. Preference will be given to material which is clearly interdisciplinary and of general interest.

Papers are considered for publication on the understanding that they have not been, and will not be, published elsewhere in whole or part, and that, where customary, they have been approved for publication by the relevant Head of Department. The Editor is not responsible for any loss of or damage to manuscripts or illustrations and his decision on all editorial matters is final.

**Manuscripts** should be sent in duplicate to the Executive Editor, *Journal of Biosocial Science*, 69 Eccleston Square, London, S.W.1. They should be clearly typewritten, on one side of the paper only, with a 1¼ inch margin, and be double-spaced and in the English language. Spelling should follow that of the *Concise Oxford Dictionary*. Where English is not the language of the country of origin, a translation of the English summary into that language should additionally be provided for publication.

Papers should be written clearly, simply and concisely. They should be checked very carefully before being submitted. The author is responsible for the accuracy of quotations, tabular matter and references. Authors submitting material previously written up for a higher degree should note that theses or parts of theses are usually suitable for publication only after much re-arrangement and condensation.

An original paper should not include an extensive review of the literature, but only sufficient references to indicate the purpose and relevance of the investigation. Methods which have been recorded previously should be described only briefly and in general terms, but the author's modifications, if any, may be given in detail. Text, tables and diagrams must be internally consistent and not repetitious. For instance, the text should not repeat in detail what is evident from the tables or diagrams. Results must be described concisely and discussion limited to the significant new findings. Theoretical exercises should be such as to lead to conclusions of general interest. Reviews should be authoritative and well documented.

The Editors reserve the right to make minor literary emendations in the final editing, but manuscripts will not be altered substantially without consultation with the author or marked unless the paper is thought provisionally to be acceptable.

Manuscripts should bear the title of the paper, name of the Institution where the work was done and, as a footnote, the present postal address of the author if different from that of the Institution. Titles should be brief, but informative, and should indicate the nature of the contents, not their import. A short title, to serve as a running head and consisting of not more than 50 letters (including spaces), must also be given on the title page. A summary not exceeding 5% of the length of the paper should precede the text. Section headings may be of four orders which in print will appear as: centre bold, centre italics, side raised italics and side inset italics; of these, the first and third are normally sufficient. Acknowledgments should be made at the end of the text in a separate section, so headed, and not placed in the body of the text. Footnotes should be avoided except as indicated above.

**Diagrams** should be in Indian ink on plain white paper, tracing paper, Bristol Board or faint lined paper. They should be larger than the intended published size, but should not exceed 30 × 20 cm. Letters and numbers should be written lightly in pencil. Duplicates may be rough copies. Diagrams must be numbered as Text-figures and should bear the author's name, short title of the paper and figure number on the back. Descriptions of Text-figures should be typed on a separate sheet. Visual aids of this kind should be used where possible to replace or supplement tabular matter.

**Half-tone illustrations**, requiring art paper plates, will be accepted in special circumstances. They should either be arranged as Plates and mounted on stiff white board up to a maximum size of 30 × 20 cm or be accompanied by a suggested lay-out of each plate.

**Tables** should be typed on separate sheets, be given Arabic numbers and be headed by adequate captions. Their approximate position in the text should be indicated by a note in the margin. They should not exceed in size the equivalent of one page of print. Weights and measurements should be given in metric units, with standard abbreviations ( $\mu\text{g}$ , mg, g, kg, l; mm, cm, m, km, °C). Other abbreviations which should be used include %, <, >, hr, min. The 24-hr clock should be used to indicate the time of day. Abbreviations, as such, should not be followed by, and initials need not be separated by, full points (e.g. FPA). Mean values should, where possible, be accompanied by standard errors or similar statistical indication of variance.

**References** in the text should be given thus: Smith (1964) or (Smith, 1964), according to context. When reference is made to a work by more than two authors, all names should be given when cited for the first time but thereafter only the first name followed by *et al.*, e.g. Brown *et al.* (1962). If several papers by the same author(s) and of the same year are cited, a, b, c, etc., should be put after the year of publication, e.g. Jones (1952b) or Jones (1952a, b). All references should be brought together at the end of the paper in alphabetical order of authors. References to articles and papers should mention: (1) name(s) followed by the initials of the author(s); (2) year of publication in parentheses; (3) title of the paper; (4) title of the journal abbreviated according to the *World List of Scientific Periodicals*, 4th edn (1964) and its supplements, and as also given in *World Medical Periodicals*: (5) volume; (6) number of the first page of the article. Thus: LAUGHLIN, H.H. (1919) The relation of Eugenics to other sciences. *Eugen. Rev.* 11, 53. References to books and monographs should include: (1) author(s) or editor(s); (2) year of publication; (3) title; (4) edition if more than one; (5) publisher and place of publication. Thus: PEARL, R. (1939) *The Natural History of Population*. Humphrey Milford, London. When both authors and editors are involved, the form should be as follows: MEAD, M. & NEWTON, N. (1967) Cultural patterning of perinatal behaviour. In: *Child-bearing—its Social and Psychological Aspects*. Edited by S.A. Richardson & A.F. Guttmacher. Williams, Baltimore.

An unpublished paper should not be cited among the references unless it has specifically been accepted for publication by a particular Journal, in which case the words (in press) should be used in place of the volume and page number of the journal.

**Non-conformity** with the specifications given in this notice is likely to lead to delay in publication.

**Proofs** will be sent to contributors for minor corrections, and should be returned to the Editor within one week. Special attention should be given to the checking of tables, mathematical formulae and Text-figures. Major alterations to the text will be accepted only at the author's expense. Overseas contributors are advised to arrange for a proof-reader in Great Britain. The date of receipt given at the head of the paper is that on which the script as published was received or agreed.

**Offprints.** 25 offprints together with a copy of the issue of the Journal in which the paper appears will be supplied free to the author, or, where there are two or more, to the author responsible for ordering offprints. Additional offprints up to the limit of 500 may be purchased if ordered on the printed card sent out with the proofs.

# JOURNAL OF BIOSOCIAL SCIENCE

Vol. 2, No. 3

July 1970

## Contributors

- Rosemary A. Boon** Senior Research Associate, Laboratory of Human Genetics, University of Newcastle upon Tyne p. 237
- D. R. Brothwell** Physical Anthropologist, British Museum (Natural History), London, S.W.7 p. 293
- A. J. Cropley** Associate Professor of Psychology, University of Saskatchewan, Regina Campus, Regina, Saskatchewan, Canada p. 227
- G. A. Harrison** Reader in Physical Anthropology, Oxford p. 295
- R. W. Hiorns** University Lecturer in Biomathematics, and Fellow of Linacre College, Oxford p. 301
- Gordon Hyde** Lecturer in Social Administration, Mid-Essex Technical College and School of Art, Chelmsford p. 283
- K. F. Kennett** Canada Council Pre-Doctoral Fellow in Psychology, University of Saskatchewan, Regina Campus, Regina, Saskatchewan, Canada p. 227
- L. A. Malcolm** Department of Public Health, Regional Health Officer, Lae, New Guinea p. 213
- R. J. F. H. Pinsent** General Practitioner, Birmingham, and Research Adviser, Royal College of General Practitioners p. 199
- M. P. M. Richards** Biologist, Unit for Research on Medical Applications of Psychology, Department of Experimental Psychology and Department of Medicine, Cambridge p. 298
- D. F. Roberts** Reader in Human Genetics, University of Newcastle upon Tyne p. 237
- C. J. Thomas** Senior Lecturer in Social Science Statistics, Faculty of Social Sciences, University of Southampton p. 265

**Symposium**  
on  
**Biosocial Aspects of Human  
Fertility**

TO BE HELD ON

**Thursday and Friday**

**24th and 25th September, 1970**

IN

THE MEETING ROOMS OF  
THE ZOOLOGICAL SOCIETY OF LONDON  
REGENT'S PARK, N.W.1

---

**PROGRAMME**

---

*Thursday, 24th September*

**SESSION 1 PHYSIOLOGICAL AND ENVIRONMENTAL ASPECTS**

*Chairman:* Professor RAYMOND ILLSLEY

G. W. HARRIS Coordination of the reproductive processes.

ALAN S. PARKES Environmental effects on human  
reproduction.

P. P. S. NYLANDER Biosocial aspects of multiple births.

**SESSION 2 FERTILITY IN DIFFERENT POPULATIONS**

*Chairman:* Dr. G. AINSWORTH HARRISON

DAVID OWEN Human fertility in global perspective.

J. C. MITCHELL Comparative cultural factors in fertility.

JOAN BUSFIELD and G. P. HAWTHORN The social determinants of British fertility.

*Friday, 25th September*

**SESSION 3 SOCIOLOGICAL ASPECTS**

*Chairman:* Mr. P. R. COX

LEE RAINWATER Sub-cultural variations in family size attitudes and behaviours.

W. R. BYTHEWAY, GORDON HOROBIN and D. J. OLDMAN Family structure and achievement.

THE GALTON LECTURE of THE EUGENICS SOCIETY  
*by* **Professor SIR DUGALD BAIRD**  
*on* **THE OBSTETRICIAN AND SOCIETY**

**SESSION 4 PROBLEMS OF FERTILITY CONTROL**

*Chairman:* Dr. D. M. POTTS

P. F. SELMAN Domiciliary family planning services: a re-appraisal.

P. L. C. DIGGORY The unwanted pregnancy.

K. J. DENNIS Sex education in schools—why and how?  
*Film:* 'Living and growing—full circle.'

---

*Admission to the Symposium is free but by ticket for which application should be made to:*

THE GENERAL SECRETARY  
THE EUGENICS SOCIETY  
69, ECCLESTON SQUARE, LONDON, S.W.1