Journal of Biosocial Science

VOLUME 7, NO. 1

JANUARY 1975

EXECUTIVE EDITOR

ASSISTANT EDITOR

Margaret Herbertson

D. R. Brothwell

P. R. Cox

P. C. L. Diggory

Alan E. H. Emery

P. Sargant Florence

E. Grebenik

Alan S. Parkes

ADVISORY PANEL

G. A. Harrison

Geoffrey Hawthorn

Hilary Hill

Hans Kalmus

James Maxwell

John Peel

D. M. Potts

EXECUTIVE SECRETARY

Dee King

M. P. M. Richards

D. F. Roberts

Fred T. Sai

E. T. O. Slater

R. Snowden

Barbara Thompson

Published for THE GALTON FOUNDATION

by

BLACKWELL SCIENTIFIC PUBLICATIONS

Oxford London Edinburgh Melbourne

JOURNAL OF BIOSOCIAL SCIENCE

Supplement No. 3

BIOSOCIAL ASPECTS OF HUMAN FERTILITY

Proceedings of the seventh annual symposium of the Eugenics Society London, September 1970

P. R. Cox General introduction

Physiological and environmental aspects

G. W. HARRIS Coordination of the reproductive processes
ALAN S. PARKES Environmental influences on human fertility

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

Fertility in different populations

D. M. Potts Human fertility in global perspective

J. CLYDE MITCHELL Cultural explanations of fertility differences

JOAN BUSFIELD and Some social determinants of recent trends in British

Geoffrey Hawthorn fertility

Sociological aspects

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

HOROBIN

DUGALD BAIRD The Galton Lecture 1970: The Obstetrician and Society

Problems of fertility control

P. F. Selman Domiciliary family planning services; a reappraisal

Peter Diggory The unwanted pregnancy

K. JOHN DENNIS Sex education in schools—why and how?

Price £3.00; US \$8.50

Published for the Galton Foundation by Blackwell Scientific Publications Ltd Osney Mead, Oxford OX2 0EL, England

THE GALTON FOUNDATION

For the promotion of biosocial science

The Galton Foundation was established as a charitable Trust in memory of Sir Francis Galton and in recognition of his outstanding contributions to biosocial science. Its interests lie in the common ground between the biological and social sciences.

Trustees

Mrs Mary Adams

Mrs Frances Dennis

Professor Sir Alan Parkes (Chairman)

Dr G. Ainsworth Harrison
The Lord Platt
Professor Sir Alan Parkes (Chairman)

Journal of Biosocial Science

The Foundation owns and manages the *Journal of Biosocial Science* which, as detailed in the Notice to Contributors, caters for material within the biological aspects of the social sciences and the social aspects of human biology. *JBS* is published quarterly in January, April, July and October.

Grants

The Foundation is not in a position to make large grants, but will consider applications for small amounts, especially in connection with the study of the circumstances attending unwanted conception. There is also a small fund available for facilitating overseas travel (usual maximum £50).

Equipment Pool

The Foundation has a number of Harpenden anthropometers and skinfold calipers in its pool of instruments and other equipment appropriate to field or laboratory work of a biosocial nature. The Foundation's aim is to make equipment available, by loan or hire according to circumstances, where the requirement is short-term or funds inadequate. No single item will exceed £100 in value.

Inquiries to:

The Secretary
The Galton Foundation
69 Eccleston Square
London SW1V 1PJ

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.

Papers are considered for publication on the understanding that they have not been, and will not be, published elsewhere in whole or in 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. This journal is covered by *Current Contents* and *Biological Abstracts*.

Manuscripts should be sent in duplicate to the Executive Editor, Journal of Biosocial Science, 7 Downing Place, Cambridge CB2 3EL. They should be clearly typewritten, on one side of the paper only, with a 1½ 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 may additionally be provided for publication.

Papers must 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.

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 figures must be internally consistent and not repetitious. Results should 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 Editor reserves 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), should 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. Footnotes should be avoided except as indicated above.

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. Captions for 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.

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 (μ g, mg, g, kg; ml, 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 indications of variance.

References in the text should be given in the manner that is standard in the Journal. Titles of journals should be abbreviated according to the World List of Scientific Periodicals, 4th edn (1964) and its supplements, and as also given in World Medical Periodicals.

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.

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 form sent out with the proofs.

Page charge. There is no charge to authors for publication in J. biosoc. Sci.

© Galton Foundation. No part of this publication may be reproduced or stored in a retrieval system in any form or by any means without the permission of both the Galton Foundation and the author.

JOURNAL OF BIOSOCIAL SCIENCE

Vol. 7, No. 1	January 1975
Contributors	
Dugald Baird	Emeritus Professor, Obstetrics and Gynaecology, University of Aberdeen p. 77
Geoffrey D. Broadhead	Lecturer in Special Education, Moray House College of Education, Edinburgh p. 57
Stephen R. Cobb	Lecturer, Department of Psychology, University of Glasgow p. 5
M. A. El Attar	Assistant Professor, Department of Sociology and Anthropology, Mississippi State University p. 67
William H. James	Associate Research Fellow, Department of Human Genetics and Biometry, University College London p. 1
P. A. van Keep	Director General, International Health Foundation, Geneva p. 37
Kevin Marjoribanks	Professor in Education, University of Adelaide p. 15
John Marshall	Professor of Clinical Neurology, University of London p. 49
John E. Millman	Senior Research Associate, Department of Pharmacology, University of Newcastle upon Tyne p. 27
C. P. Rawling	Junior Research Associate, Department of Human Genetics, University of Newcastle upon Tyne p. 99
D. F. Roberts	Reader in Human Genetics, University of Newcastle upon Tyne p. 101
H. Schmidt-Elmendorff	Priv. Doz., Department of Obstetrics and Gynaecology, University of Dusseldorf p. 37
K. E. Vaidyanathan	Demographer, Cairo Demographic Centre, Egypt p. 67
Herbert J. Walberg	Professor of Human Development, University of Illinois at Chicago Circle p. 15

POPULATION STUDIES

A Journal of Demography

Edited for The Population Investigation Committee Editors: D. V. Glass and E. Grebenik

VOL. XXVIII, No. 3

CONTENTS

NOVEMBER 1974

- M. MACURA. Population Policies in Socialist Countries of Europe
- A. ADLAKHA and D. KIRK. Vital Rates in India 1961-71 Estimated from 1971 Census Data
- J. A. M. CARVALHO. Regional Trends in Fertility and Mortality in Brazil
- J. KNODEL and V. PRACHUABMOH. Demographic Aspects of Fertility in Thailand
- G. E. EBANKS, P. M. GEORGE and C. E. NOBBE. Fertility and Number of Partnerships in Barbados
- S. POLGAR and VIRGINIA A. HIDAY. The Effect of an Additional Birth on Low-Income Urban Families
- J. C. BARRETT and W. BRASS. Systematic and Chance Components in Fertility Measurement
- R. LEE. Estimating Series of Vital Rates and Age Structures from Baptisms and Burials: A New Technique, with Applications to Pre-industrial England
- D. REED and A. SCHNAIBERG. Risk, Uncertainty and Family Formation: the Social Context of Poverty Groups

Book Reviews

Subscription price per volume of 3 parts £6.00 (US \$18.00), post free. Single parts of current volumes £2.50 (US \$7.50), post free. Details of back issues on request.

Published by the POPULATION INVESTIGATION COMMITTEE at the

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE HOUGHTON STREET, ALDWYCH, LONDON WC2A 2AE

SUMMER TRAINING INSTITUTE ON THE GENETICS OF DEVELOPMENTAL PROCESSES FOR SOCIAL SCIENTISTS

16th June to 1st August 1975

at the

Institute for Behavioral Genetics
University of Colorado

Sponsored by the Social Science Research Council and supported by a grant from the National Institute of Mental Health, the purpose of the Summer Training Institute is to provide a conceptual framework of genetics for ten advanced graduate and ten post-doctoral scholars whose primary interest is in the developmental processes of behaviour. The curriculum will consist of lectures and laboratory exercises that focus on the major areas of genetics and their relationship to development.

Social scientists from psychology or anthropology are presumptively appropriate candidates for the Institute, but those from the disciplines concerned with human development are also invited to apply—especially those with an appropriate behavioral background and at least some knowledge of biological science. Stipends will be available in the amount of \$630 for pre-doctoral trainees and \$770 for post-doctoral trainees. Travel expenses will be provided up to an equivalent of round-trip coach airplane fare.

Completed applications and supporting documents must be received by 28th February 1975. Application forms and further information may be obtained from:

Dr Gerald E. McClearn Institute for Behavioral Genetics University of Colorado Boulder, Colorado 80302