

Volume 18, Number 4

October 1986

Journal of
**Biosocial
Science**

Published by The Galton Foundation

Cambridge, England

Editor

D. F. Roberts

Editorial Advisory Panel

Tess Adkins	K. J. Dennis	G. A. Harrison	J. S. Price
J. A. Beardmore	Peter Diggory	M. Kirk	M. P. M. Richards
W. Brass	A. J. Fox	John Peel	Sue Teper
Robert Chester	E. Grebenik	D. M. Potts	Barbara Thompson
P. R. Cox			

Review Editors

E. J. Clegg G. D. Mitchell

Associate Editor **Consultant**

M. A. Herbertson Alan S. Parkes

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 Editor, *Journal of Biosocial Science*, 22 Newmarket Road, Cambridge CB5 8DT. They should be clearly typewritten, on one side of the paper only, with a $\frac{1}{4}$ inch margin, and be double-spaced and in the English language. Spelling should follow that of the *Concise Oxford Dictionary*. 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. The author is responsible for the accuracy of quotations, tabular matter and references.

Manuscripts should bear the title of the paper, name of the Institution where the work was done, the present postal address of the author if different from that of the Institution, and a short running head of not more than 50 letters. Titles should be brief. A short summary should precede the text. Acknowledgments should be made in a separate section.

Diagrams must be numbered and should bear the author's name, short title of the paper and figure number on the back. Captions should be typed on a separate sheet.

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. Standard abbreviations should be used (μ g, mg, g, kg; ml, l; mm, cm, m, km, °C, %, <, >, hr, min). Abbreviations 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 unless it is already in press.

Debate. A section headed *Debate* is reserved for comments on papers appearing in previous issues. Authors whose papers are involved will be given an opportunity to reply at similar length for simultaneous publication. Discussion of any particular paper will not normally be continued beyond the first comment or comments and the author's reply. The Editor's decision as to publication of comments is final. Comments, not exceeding 500 words (one printed page), should be sent to the Editor.

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 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 end of the paper is that on which the script as published was received or agreed.

Offprints. 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. Offprints may be purchased by ordering on the form sent out with the proofs.

© Galton Foundation. With the exception of abstracts of no more than 300 words, 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

The *Journal of Biosocial Science* is published by the Galton Foundation and distributed by the Biochemical Society Book Depot.

Orders, payments and enquiries regarding distribution should be sent to:

**Journal of Biosocial Science,
PO Box 32, Commerce Way,
Colchester CO2 8HP,
UK**

For 1987 (Volume 19) there will be four issues, published in January, April, July and October.

The subscription rates for 1987 are:

	UK and overseas (surface mail)	USA, Canada and Mexico (by air)	Japan only (by ASP)
Annual subscription	£39.00	\$74.00	£45.00
Per part	£12.00	\$21.00	£14.00

To avoid a break in continuity subscribers are asked to place their orders, either direct or through an agent, by mid-December. Should a Standing Order be required, this should be indicated in the order instructions and an invoice will then be sent automatically in the last quarter of each year.

Limited numbers of earlier issues are available. Volumes 1–10 (1969–78, original price £111.50) are offered to subscribers at the special price of £52.00 (US\$105.00) for the set.

Manuscripts for publication and books for review should be sent to:

**The Editor,
Journal of Biosocial Science,
22 Newmarket Road,
Cambridge CB5 8DT,
UK**

Second-class postage paid in Rahway, New Jersey, USA.

Postmaster. Send address corrections to: Journal of Biosocial Science, c/o Mercury Airfreight International Inc., 10B Englehard Avenue, Avenel, NJ 07001, USA (US mailing agent).

JOURNAL OF BIOSOCIAL SCIENCE

Vol. 18, No. 4

Contributors

October 1986

M. Mohiuddin Ahamed	Assistant Professor, Department of Statistics, Jahangirnagar University, Dhaka, Bangladesh	p. 425
H. Aono	Instructor, Department of Public Health and Hygiene, Medical College of Oita, Japan	p. 471
S. Araki	Professor, Department of Public Health and Hygiene, Medical College of Oita, Japan	p. 471
J. Burn	Consultant Clinical Geneticist, University of Newcastle upon Tyne	p. 505
Victor J. Callan	Senior Lecturer in Psychology, University of Queensland, Australia	p. 479
I-Cheng Chi	Associate Director, Clinical Trials Division, Family Health International, Research Triangle Park, NC, USA	p. 379
A. K. M. A. Chowdhury	Visiting Fellow, Department of Population Dynamics, Johns Hopkins University, Baltimore, USA	p. 449
Emily Grundy	Lecturer, Age Concern Institute of Gerontology, King's College, London	p. 403
Bhakta B. Gubhaju	Demographer, Nepal FP/MCH Project, Kathmandu, Nepal	p. 435
Robert A. Hatcher	Director, Emory University Family Planning Program, Atlanta, Georgia, USA	p. 379
Suzan Halabi	Research Assistant, Department of Epidemiology and Biostatistics, American University of Beirut, Lebanon	p. 489
James E. Higgins	Director of Biostatistics and Quality Assurance, Family Health International, Research Triangle Park, NC, USA	p. 379
J. S. M. Hutchinson	Senior Lecturer, School of Agriculture, University of Aberdeen	p. 506
Bernard Ineichen	Research Fellow, Department of Mental Health, University of Bristol	p. 387
William H. James	Visiting Worker, MRC Mammalian Development Unit, University College London	p. 497
Myriam Khlaf	Assistant Professor, Department of Epidemiology, American University of Beirut, Lebanon	p. 489
K. Murata	Instructor, Department of Public Health and Hygiene, Medical College of Oita, Japan	p. 471
Y. Mitsukuni	Medical Officer, Osaka Prefectural Office of Medical Inspection, Japan	p. 471
Swee-Hock Saw	Professor of Statistics, National University of Singapore	p. 395
I. Shikata	Professor, Department of Forensic Medicine, Medical School, Osaka University, Japan	p. 471
Patricia A. Watterson	Postdoctoral Research Assistant, Department of Geography, University of Sheffield	p. 457
Lynne R. Wilkens	Associate Biostatistician, Family Health International, Research Triangle Park, NC, USA	p. 379