Volume 22, Number 3

July 1990

# Journal of Biosocial Science

Published by the Parkes Foundation Cambridge, England

https://doi.org/10.1017/S0021932000018630 Published online by Cambridge University Press

## Editor: D. F. Roberts

#### Editor for the Biosocial Society: C. G. N. Mascie-Taylor

### **Editorial Advisory Panel**

J. A. Beardmore W. Brass Robert Chester Peter Diggory A. J. Fox E. Grebenik G. A. Harrison M. Kirk John Peel

P. F. Selman

D. M. Potts J. S. Price M. P. M. Richards

**Review** Editors

E. J. Clegg

Associate Editor

M. A. Herbertson

Consultant

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 the final. This Journal is covered by Current Contents, Biological Abstracts, Psychological Abstracts and Population Index.

**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  $1\frac{1}{4}$  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 or tables prepared on dot-matrix printers are not acceptable.

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 ( $\mu$ g, mg, g, kg; ml, l; mm, cm, m, km,  $^{\circ}C$ , %, <, >, 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.

© Parkes 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 Parkes Foundation and the Author.

# JOURNAL OF BIOSOCIAL SCIENCE

The Journal of Biosocial Science is published by the Parkes 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 1990 (Volume 22) there will be four issues, published in January, April, July and October.

The subscription rates for 1990 are:

	UK and	USA, Canada	
	overseas	and Mexico	Japan only
	(surface mail)	(by air)	(by ASP)
Annual subscription	£48.00	\$92.00	£55.00
Per part	£15.00	\$26.00	£17.00

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., 2323 Randolph Avenue, Avenel, NJ 07001, USA (US mailing agent).

# JOURNAL OF BIOSOCIAL SCIENCE

Vol. 22, No. 3	Contributors	July 1990
Lorena Araujo	Project Co-ordinator, Programa de Acoes Integradas d Universidade Federal do Ceará	le Saude, p. 349
Patricia Bailey	Research Associate, Family Health International, Research Park, North Carolina, USA	Triangle p. 349
B. Bønnelykke	Department of Obstetrics and Gynaecology, Alesund, Nor	way p. 381
O. Chimere-Dan	Affiliated to the Population Studies Department, London Economics and Political Science	•
Rosalie Dominik	Associate Biostatistician, Family Health International, Triangle Park, North Carolina, USA	Research p. 349
Alison Frater	Medical Audit Officer, Directorate of Public Health, NW Regional Health Authority	/ Thames p. 392
W. G. F. Groenewold	UN Demographer, Demographic Training and Research Addis Ababa University, Ethiopia	h Center, p. 373
Hem Hamal	Consultant and former General Manager, Nepal Contracept Sales Company, Kathmandu	ive Retail p. 305
Allan Hill	Reader in Medical Demography, London School of Hyp Tropical Medicine	giene and p. 388
U. Högberg	Lecturer, Department of Obstetrics and Gynaecology, Umeå V Hospital, Sweden	University p. 323
Barbara Janowitz	Evaluation Specialist, Family Health International, Research Park, North Carolina, USA	n Triangle p. 349
Thomas T. Kane	Rockefeller Research Fellow, Centre d'Etudes et de Recher Population pour le Developpement, Institut du Sahel, Bam	
K. B. Kurup	Statistical Officer, UNICEF, Khartoum, Sudan	р. 365
A. K. Majumder	Department of Statistics, Chittagong University, Banglades	h p. 333
Jack Parsons	Visiting Lecturer, Sir David Owen Population Centre, Uni Wales, College of Cardiff	versity of p. 390
E. A. Roth	Associate Professor, Department of Anthropology, Univ	versity of p. 365
Ashoke Shrestha	Senior Research Associate, New Era, Kathmandu, Nepal	p. 305
Malcolm T. Smith	Lecturer, Department of Anthropology, University of Dur	ham p. 387
Meara Tilahun	Medical Doctor, Ethio-Swedish Children's Hospital, Add Ethiopia	is Ababa, p. 373
Katherine Trent	Assistant Professor, Department of Sociology, State Uni New York, Albany, USA	versity of p. 281
Amy Tsui	Deputy Director, Carolina Population Center, University Carolina, Chapel Hill, USA	p. 349
S. Wall	Department of Epidemiology and Health Care Researce University, Sweden	h, Umeå p. 323
Farhat Yusuf	Associate Professor in Demography, School of Econo Financial Studies, Macquarie University, Sydney, Australia	