Volume 19, Number 4

October 1987

Journal of Biosocial Science

Published by the Parkes Foundation Cambridge, England

Editor

D. F. Roberts

Editorial Advisory Panel

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

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 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 CB58DT. They should be clearly typewritten, on one side of the paper only, with a 14 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 (μ g, mg, g, kg; ml, l; mm, cm, m, km, $^{\circ}$ C, $^{\circ}$

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 1988 (Volume 20) there will be four issues, published in January, April, July and October.

The subscription rates for 1988 are:

	UK and	USA, Canada	
	overseas	and Mexico	Japan only
	(surface mail)	(by air)	(by ASP)
Annual subscription	£41.00	\$78.00	£48.00
Per part	£13.00	\$22.00	£15.00

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. 19, No. 4	Contributors	October 1987
L. L. Bean	Director, Middle East Center, University of Utah, S USA	alt Lake City, p. 395
A. Bilsborough	Professor of Anthropology, University of Durham	p. 505
Renea Burns	Research Associate, Department of Medical Genetics, South Alabama, Mobile, USA	University of p. 487
Lennart Diener	Associate Professor of Radiology, Tuberculosis Clinic Sweden	of Stockholm, p. 495
M. A. El-Faedy	Lecturer in Sociology, Garyounis University, Libya	p. 395
Nicholas Ford	Research Fellow, Institute of Population Studies, Exeter	University of p. 507
J. B. Gibson	Professorial Fellow, Research School of Biological Scien National University, Canberra	ces, Australian p. 379
G. A. Harrison	Professor of Biological Anthropology, University of C	Oxford p. 379
C. Hirschman	Professor of Sociology and Asian Studies, Cornell Univ	versity, Ithaca, p. 405
Charles Hoff	Professor, Department of Medical Genetics, Univer Alabama, Mobile, USA	rsity of South p. 487
Ulf Högberg	Lecturer, Department of Obstetrics and Gynaecology, sity Hospital, Sweden	Umea Univerp. 495
J. Huffstutler	Outreach Co-ordinator, Department of Medical Genet of South Alabama, Mobile, USA	tics, University p. 487
E. Iregren	Senior Lecturer, Institute of Archaeology, Lund, Swed	den p. 495
Gavin W. Jones	Professorial Fellow, Department of Demography, Austr University, Canberra	ralian National p. 405
L. L. Lim	Associate Professor, Faculty of Economics and A University of Malaya, Kuala Lumpur	dministration, p. 405
E. Lodewijckx	Research Assistant, Department of Obstetrics, Univer Belgium	rsity of Ghent, p. 439
H. M. Macbeth	Principal Lecturer in Anthropology, Oxford Polytechi	nic p. 379
M. J. Murphy	Senior Lecturer in Population Studies, London School and Political Science	of Economics p. 463
K. S. Murty	Assistant Professor and Research Director, Department Justice, Atlanta University, USA	nt of Criminal p. 427
G. A. Oni	Senior Lecturer, Department of Epidemiology and Health, University of Ilorin, Nigeria	d Community p. 453
K. V. Rao	Research Fellow, Canadian Fertility Survey, Department University of Western Ontario, London, Canada	nt of Sociology, p. 427
C-H. Siven	Department of Economics, University of Stockholm	n, Sweden p. 495
Peter Smail	Consultant Paediatrician, Royal Aberdeen Children's	Hospital p. 506
Duane Superneau	Assistant Professor, Department of Medical Genetics, South Alabama, Mobile, USA	University of p. 487
W. Wertelecki	Chairman and Professor, Department of Medical Gener of South Alabama, Mobile, USA	tics, University