

Volume 20, Number 3

July 1988

Journal of
**Biosocial
Science**

Published by the Parkes Foundation
Cambridge, England

Editor

D. F. Roberts

Editorial Advisory Panel

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
Barbara Thompson

Review Editors

E. J. Clegg

G. D. Mitchell

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 1½ 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 (μg , 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.

© 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 overseas (surface mail)	USA, Canada and Mexico (by air)	Japan only (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., 2323 Randolph Avenue, Avenel, NJ 07001, USA (US mailing agent).

JOURNAL OF BIOSOCIAL SCIENCE

Vol. 20, No. 3

Contributors

July 1988

J. W. Balding	Director, Health Education Authority's Schools Health Education Unit, University of Exeter	p. 371
Baruch S. Blumberg	Vice President, Division of Population Oncology, Fox Chase Cancer Center, Philadelphia, USA	p. 357
Roy A. Carr-Hill	Senior Research Fellow in Medical Statistics, Centre for Health Economics, University of York	p. 265
Anouch Chahnazarian	Research Associate, Department of Population Dynamics, Johns Hopkins University, Baltimore, USA	p. 357
E. J. Clegg	Professor of Anatomy, University of Aberdeen	p. 295
Amelia Dale Horne	Instructor, Department of Mathematics, American University, Cairo	p. 313
F. S. El Sheikh	Central Blood Bank, Khartoum, Sudan	p. 333
Toni Falbo	Professor, Department of Educational Psychology, University of Texas, Austin, USA	p. 275
P. Kamnuansilpa	Formerly, Director, Research Centre, National Institute of Development Administration, Bangkok	p. 321
Kathleen E. Kiernan	Deputy Director, Social Statistics Research Unit, City University, London	p. 253
Tai-Hun Kim	Assistant Professor, Department of Social Studies Education, Korea National University, Chungbuk, Republic of Korea	p. 345
John Knodel	Professor, Department of Sociology, University of Michigan, Ann Arbor, USA	p. 321
W. Thomas London	Senior Research Physician, Division of Population Oncology, Fox Chase Cancer Center, Philadelphia, USA	p. 357
I. D. M. MacGregor	Lecturer in Periodontology, Department of Operative Dentistry, University of Newcastle upon Tyne	p. 371
M. Masaki	Associate Professor, Department of Hygiene, Showa University School of Medicine, Tokyo	p. 337
Denise F. Polit	President, Humanalysis, Saratoga Springs, USA	p. 275
A. Razzaque	Senior Statistical Officer, Demographic Surveillance System, ICDDR, Bangladesh	p. 287
N. Saha	Professor, Department of Physiology, National University of Singapore	p. 333
Madeleine Simms	Senior Research Officer, Institute for Social Studies in Medical Care, London	p. 377
C. M. Suchindran	Professor, Department of Biostatistics, University of North Carolina, Chapel Hill, USA	p. 313