Journal of Biosocial Science

Incorporating *Biology and Society* of the Galton Institute

Published by the Biosocial Society

Cambridge, England

Editor: C. G. N. Mascie-Taylor

Editorial Advisory Panel

J. L. Boldsen G. A. Harrison D. M. Potts
D. A. Coleman A. G. Hill P. F. Selman
P. L. C. Diggory G. W. Lasker I. Timæus

S. J. Ulijaszek V. Reynolds

For the Galton Institute

J. A. Beardmore R. Chester

Review Editor Erica Haimes

Associate Editor

Consultant

M. A. Herbertson

D. F. Roberts

Notice to Contributors

The Journal of Biosocial Science publishes original papers, short reports; reviews, lectures, and 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; with social and biological elements of nutrition, growth and development, health and epidemiology; 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, Biological Abstracts, Psychological Abstracts and Population Index.

Manuscripts should be sent in duplicate to the Editor, Journal of Biosocial Science, Department of Biological Anthropology, Downing Street, Cambridge CB2 3DZ. 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 (eg, 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 *Debate* section is reserved for comments on papers appearing in previous issues. Authors whose papers are involved will be given an opportunity to reply for simultaneous publications. The Editor's decision as to publication of comments is final. Comments, not exceeding 500 words (one printed page), should be sent to Editor.

Proofs will be sent to contributors for minor corrections, and should be returned to the Editor within one week. Major alterations to the text will be accepted only at the author's expense. 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.

© Biosocial Society. 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 Biosocial Society and the author.

JOURNAL OF BIOSOCIAL SCIENCE

The Journal of Biosocial Science is published by the Biosocial Society and distributed by the Portland Press (formerly 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 1995 (Volume 27) there will be four issues, published in January, April, July and October.

The subscription rates for 1995 are:

	UK and overseas (surface mail)	USA, Canada and Mexico (by air)
Annual subscription	£66.00	\$126.00
Per part	£20.00	\$33.50

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,
Department of Biological Anthropology,
Downing Street,
Cambridge CB2 3DZ,
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. 26, No. 4	Contributors	October 1994
D. J. Adamchak	Professor, Department of Sociology, Kansas	
J. A. Adetunji	Manhattan, Kansas, USA Population Council/Bell Fellow, Center for Population Studies, Harvard University, Cambridge, USA	p. 553 tion and Develop- A p. 469
A. Bideau	Research Director, CNRS, Lyon, France	p. 509
G. Brunet	Professor, Université Lumière-Lyon 2, and Instit	
	Génomutations, Lyon, France	p. 509
Marilyn Crawshaw	Tutor in Social Work, Department of Social Policy University of York	and Social Work, p. 563
B. Desjardins	Researcher, Département de Démographie, Univer Canada	
K. G. Dewey	Professor of Nutrition, University of California, Da	
Stephen M. Dixon	Department of Psychology, University of Durham	p. 559
R. I. M. Dunbar	Professor, Department of Anthropology, University	
		p. 565
M. J. Heinig	Research Scientist, University of California, Davis,	USA p. 517
W. Henke	Director, Institute of Anthropology, Johannes Gute	
	Mainz, Germany	p. 562
Joan M. Herold	Associate Professor, School of Public Health, E Atlanta, USA	mory University, p. 427
P. R. A. Hinde	Lecturer in Population Studies, University of South	
Robert S. Hogg	British Columbia Centre for Excellence in HIV/A	
	Canada	p. 539
Konia T. Kollehlon	Associate Professor of Sociology, University of M Shore, USA	laryland, Eastern
C.C.N. Massis Touler	Head of Department of Biological Anthropolog	p. 493
C. G. N. Mascie-Taylor	Cambridge	p. 567
M. C. Y. Mbago	Senior Lecturer, Department of Statistics and De	
WI. C. 1. WIDago	University of Dar es Salaam, Tanzania	p. 451
M. T. Mbizvo	Senior Scientist, Department of Obstetrics and Gyner	
WI. I. WINIZVO	of Zimbabwe, Harare	p. 553
A. Meier-Koll	Professor, Department of Psychology, University	
THE PROPERTY OF THE PROPERTY O	Germany	p. 479
M. S. Mesa	Assistant Professor, Anthropology Section, Depart	
	Biology, Universidad Complutense de Madrid	p. 441
Leo Morris	Chief, Behavioral Epidemiology and Demographic	Research Branch,
	Division of Reproductive Health, CDC, Atlanta, US	SA p. 427
Akim J. Mturi	Research Student, Department of Social Studies	
	Southampton	p. 529
L. A. Nommsen-Rivers	Research Scientist, University of California, Davis,	
Robert Peel	The Galton Institute, London	p. 559
J. M. Peerson	Statistician, Program in International Nutrition California, Davis	n, University of p. 517
D. F. Roberts	Professor Emeritus, Department of Human Genet	
D. F. Roberts	Newcastle upon Tyne	p. 568
Emily Rousham	Lecturer, University of Western Australia, Perth	p. 561
A. Sánchez-Andrés	Lecturer, Department of Animal Biology, University	
THE PARTY OF THE P	Henares, Spain	p. 441
Barbara Schardl	Research Scholar, Department of Psychology, Unive	
· · · · · · · · · · · · · · · · · · ·	Germany	p. 479
Peter Selman	Lecturer in Social Policy, University of Newcastle up	
Nancy J. Thompson	Assistant Professor, School of Public Health, E	
, <u>F</u>	Atlanta, USA	p. 427
M. Solange Valenzuela	Instructor, Department of Health, University of Chil	
-	-	~ ·