

EDITOR Hans-Peter Blossfeld, Bremen University, Germany ASSOCIATE EDITORS Woot Ultee, Catholic University of Nijmegen, The Netherlands Tony Fahey, Economic and Social Research Institute, Dublin

Published in association with the European Consortium for Sociological Research, and supported by a fully international board, the **European Sociological Review** publishes papers on a broad range of topics and

• publishes results of sociological inquiry from Europe and around the world

 gives priority to work based on empirical research that addresses substantive problems and is conducted to high methodological standards

• encourages cross-national comparative work that covers European societies

• contributes to the development of sociology by publishing theoretical and methodological contributions where these have a direct relevance to the conduct of sociological research

• has a book review section which gives priority to long reviews or review articles dealing with major studies

#### **1996 ORDER FORM**

Please enter my subscription to EUROPEAN SOCIOLOGICAL REVIEW			
Volume 12			
□ Institutions: £67/US\$120			
□ Individuals: £35/US\$60			
Please note: £ sterling rates apply in Europe, US\$ rates elsewhere. Customers in the EU and in Canada			
are subject to their local sales tax.			
□ I enclose the correct remittance.			
Please send me a sample copy.			
Name			
Address			
City/County			
Postcode			
Please debit my Mastercard /			
American Express / Diners / Visa /			
JCB Card Number:			
Expirydate:			
For further subscriptions information please			
contact:			
contact:			
contact: <b>OXFORD</b> Journals Marketing (X96) JOURNALS Oxford University Press			
contact: OXFORD Journals Marketing (X96)			
contact: <b>OXFORD</b> Journals Marketing (X96) JOURNALS Oxford University Press Walton Street			

#### Forthcoming articles include:

Franz Traxler

Collective Bargaining and Industrial Change: A Case of Disorganization? **Erich Weede** 

Legitimacy, Democracy and Comparative Economic Growth Reconsidered

**Colette Fagan & Jill Rubery** The Salience of the Part-Time Divide in the European Union

**Gabor Toka & Jaap Dronkers** Sibling Resemblance in Educational Attainment, Occupational Prestige and Wealth in Hungary during the Communist Regime

#### **Katy Pickvance**

Social Movements in Hungary and Russia: The Case of Environmental Movements

#### **Guy Cote**

Socio-Economic Attainment, Regional Disparities and Internal Migration

#### **Richard Lampard**

Party Political Homogamy in Great Britain Torild Hammer

History Dependence in Youth Unemployment

Special Issue Volume 12 no. 2

Rational Choice Theory and Large-Scale Data Analysis

# Ageing and Society

#### Editor: Dr. Peter Coleman University of Southampton

Ageing and Society is an interdisciplinary and international journal devoted to publishing papers, particularly from the social sciences and humanities, which further the understanding of all aspects of human ageing. It draws contributions and readers from the complete spectrum of subject areas including:

- policy studies • economics
- sociology
- social work
- psychology
- political science anthropology
   history

demography

- geography
- law
- medicine • art
- literature

#### **Recent contents include:**

Photographic Memory, Ageing and the Life Course, ANDREW BLAIKIE

Relatives of Persons Suffering from Dementia: Differences in the Burden, MIA S. H. DUIINSTEE

Spirituality and Personal Well-Being in Old Age, ALFONS MARCOEN

Effects of Spouses' Characteristics on the Social Roles and Activities of Married Persons in Israel, JUDAH MATRAS AND MIRIAM CAIDEN

Alcohol and Elderly People: An Overview of the Literature for Social Work, MURRAY SIMPSON, BRYAN WILLIAMS AND ANDREW KENDRICK

Contrasting Cultural Profiles between Generations, FRANZ KOLLAND

Elderly Wellbeing and the Psychology of Social Comparison, CAROL A. SHERRARD

Allocation of Care and Services in an Area-Based System for Long-Term Care of Elderly and Disabled People, MARTEN LAGERGREN

Multi-Purpose Residential Homes: A Fair Deal for Residents?, FAY WRIGHT

The National Policy on Elderly People in Singapore, PEGGY TEO

#### Subscription information

Ageing and Society is published in January, March, May, July, September and November. Volume 16 in 1996: £88 for institutions; £46 for individuals; £38 for members of British Society of Gerontology, Centre for Policy on Ageing, British Geriatrics Society and students; airmail £22 per year extra.

#### Take a closer look FREE! □ Please send me a free sample copy of Ageing and Society

□ Please send me further information

Name ---

Address ----

Send this coupon to: Journals Marketing Department, Cambridge University Press, FREEPOST\*, The Edinburgh Building, Cambridge, CB2 IBR, UK. Tel: +44 (0)1223 325806 Fax: +44 (0)1223 315052 Email: journals\_marketing@cup.cam.ac.uk

(\*no postage stamp necessary if posted in UK)

In USA, Canada & Mexico, write to: Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211, USA.



# **Journal of Social Policy**

#### **Editors:**

MIRIAM DAVID South Bank University

DULCIE GROVES University of Lancaster

Journal of Social Policy is the leading serial publication for the field of social policy and social administration. Published in association with the Social Policy Association by Cambridge University Press, the journal carries scholarly research and review articles on the full range of social policy issues.

### Coverage

- Criminal justice and penal policy
- Education Housing
- Employment, paid/unpaid work
- Family policy Law
- Health care and social care
- Local and National government
- Social security and income maintenance

# **Social Policy Digest**

In each issue of the journal, the *Social Policy Digest* surveys over a hundred key papers, publications and reports which have appeared in the previous quarter. Well-organised, carefully cross-referenced and succinct, the *Digest* provides immediate access to changes in UK social policy legislation.

# **Subscription Information**

Journal of Social Policy (ISSN 0047-2794) is published quarterly in January, April, July and October. Volume 25 in 1996: £86. Special arrangements exist for members of the Social Policy Association. Airmail is £18 per year extra.

### **Recent articles...**

Reforming Aged Care in Australia: Change and Consequence DIANE GIBSON

Policy Dilemmas in Belfast R. D. OSBORNE

Competition in the Mixed Economy of Care Julien Forder, Martin Knapp and Gerald Wistow

Combining Employment with Childcare; an Escape From Dependence?

Clare Ward, Angela Dale and Heather Joshi

Social Security Programmes in the West Bank and Gaza Strip: Challenges for the new Palestine ARNON A. BAR-ON

Postmodernism and Social Policy: A Small Step Forwards?

Sue Penna and Martin O'Brien

### Take a further look - FREE!

□ Please enter me a sample copy of **Journal of Social Policy** 

□ Please send me further details

Name\_\_\_

Address\_\_\_\_\_

Send your order to: Journals Marketing Dept., Cambridge University Press, The Edinburgh Building, Cambridge, CB2 2RU, UK. Tel: +44 (0)1223 325806 Fax: +44 (0)1223 315052 Email: journals\_marketing@cup.cam.ac.uk In USA, Canada & Mexico write to: Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211, USA 5xxxx



# CAMBRIDGE

#### Human Variability and Plasticity

Edited by C. G. N. MASCIE-TAYLOR and BARRY BOGIN

#### Foreword by G A. HARRISON

Most animals are capable of altering their biology or behaviour to respond plastically to changes in their environment. Humans are perhaps the most plastic of all species, and this book examines how human variability is affected by such factors as starvation, disease, child growth and migration.

£35.00 net HB 0 521 45399 2 255 pp. 1995 Cambridge Studies in Biological Anthropology 15

#### Human Energetics in Biological Anthropology

#### STANLEY J. ULIJASZEK

Considers various ways in which measurements of energy intake, expenditure and balance have been used to study human populations. It will be useful to teachers and students of human biology, anthropology and nutrition.

£35.00 net HB 0 521 43295 2 245 pp. 1995 Cambridge Studies in Biological Anthropology 16

#### The Health Consequences of 'Modernisation'

Evidence from Circumpolar Peoples

R. J. SHEPHARD and A. RODE

The transition from an active hunter-gatherer lifestyle to that of a 'modern' urbanised lifestyle brings with it many consequences for health and fitness. In this volume, this transition is examined in circumpolar populations, where change has been rapid and extensive in the last thirty years.

£45.00 net HB 0 521 47401 9 320 pp. 1996 Cambridge Studies in Biological Anthropology 17

#### Now in paperback

#### Genetic Variation and Human Disease

Principles and Evolutionary Approaches KENNETH M. WEISS

Provides an overview of the concepts and methods needed to understand the genetic basis of biological traits, including disease, in humans. It will appeal to many biologists and biological anthropologists interested in this field.

'...an exciting, wide-ranging...heavily mathematical attempt at a synthesis of present knowledge in an evolutionary context.' British Medical Journal £16.95 net PB 0 521 33660 0 380 pp. 1995
Cambridge Studies in Biological Anthropology 11

#### Genius

#### The Natural History of Creativity HANS EYSENCK

Genius and creativity have long been related to psychopathology. In this book, Professor Eysenck examines the nature of genius, and suggests what role factors such as intelligence, social status and gender play in its expression. The book will be required reading for psychologists, psychiatrists, philosophers and sociologists.

£37.50 net HB 0 521 48014 0 354 pp. 1995 £17.95 net PB 0 521 48508 8 Problems in the Behavioural Sciences

#### Long-term Consequences of Early Environment

Growth, Development and the Lifespan Developmental Perspective

Edited by C. J. K. HENRY and S. J. ULIJASZEK

The early environment in which we grow up has profound, long lasting, and often irreversible consequences for us throughout our lives. Here, the long term consequences of early environment are investigated by a leading team of researchers in this text for all those interested in human biology. £35.00 net HB 0 521 47108 7 272 pp. 1996 Society for the Study of Human Biology Symposium Series 37

#### Molecular Biology and Human Diversity

Edited by A. J. BOYCE and C. G. N. MASCIE-TAYLOR

Molecular studies of human diversity and origins are receiving increasing attention. New evidence from nuclear DNA and from archaic populations has given new insights into the field. This volume discusses the importance of these new methods and findings for human biology, molecular biology and genetics.

£37.50 net HB 0 521 56086 1 360 pp. 1996 Society for the Study of Human Biology Symposium Series 38

Cambridge books are available from good bookshops, alternatively phone UK + 44 (0)1223 325970 to order direct using your credit card, or fax

UK + 44 (0)1223 325959. For further information, please email Giulia Williams on science@cup.cam.ac.uk or browse our Worldwide Web server http://www.cup.cam.ac.uk



The Edinburgh Building, Cambridge CB2 2RU

# Journal of Biosocial Science

# Official Journal of the Biosocial Society

EDITOR

Dr C. G. N. Mascie-Taylor Department of Biological Anthropology, University of Cambridge, Downing Street, Cambridge CB2 3DZ, UK

ASSOCIATE EDITOR Mrs M. A. Herbertson BOOK REVIEW EDITOR Dr S. J. Ulijaszek University of Cambridge

EDITORIAL BOARD

A. H. Bittles Edith Cowan University, Perth, Australia

J. L. Boldsen University of Odense, Denmark

R. Calderon University of the Basque Country, Bilbao, Spain

D. A. Coleman University of Oxford, UK

G. F. De Stefano Tor Vergata University, Rome, Italy

P. T. Ellison Harvard University, USA

G. A. Harrison University of Oxford, UK

G. Hauser University of Vienna, Austria

A. G. Hill Harvard University, USA

T. Inaoka University of Kumamoto, Japan

B. Janowitz Family Health International, North Carolina, USA

G. W. Lasker Wayne State University, Detroit, USA

R. Ohtsuka University of Tokyo, Japan

D. M. Potts University of California, Berkeley, USA

D. F. Roberts University of Newcastle upon Tyne, UK

L. Rosetta University of Paris, France

L. H. Schmitt University of Western Australia, Perth, Australia

I. Timaeus University of London, UK

S. J. Ulijaszek University of Cambridge, UK

#### **VOLUME 28 (1996)**

#### Published by

Cambridge University Press

#### Cambridge, England

Published by Cambridge University Press Cambridge, England © Cambridge University Press 1996

Printed in the United Kingdom by Henry Ling Ltd, The Dorset Press, Dorchester, Dorset

# Journal of Biosocial Science

## Contents

Vol. 28	January 1996	No. 1
C. Varea, E. Crognie	r, D. Bley, G. Boetsch, P. Baudot, A. Baali and	
	minants of contraceptive use in Morocco: stopping behaviour in	
traditional populatio		1
	TH AND A. M. R. CHOWDHURY Influence of socioeconomic	
	petencies of children in Bangladesh	15
•	ty falling in Zimbabwe?	25
•	kutuvwidi Makani, Michael P. Edwards,	
	IAN, KINAVWIDI LEWU NIWEMBO AND BALOWA DJUNGHU The	
	verspective on family planning in Kinshasa, Zaire	37
	SERMEYER Fertility norms and son preference in Morocco and	
Tunisia: does women		57
	LI AND FRANKLIN W. GOZA Racial differences in the relationship	73
•	ality and socioeconomic status	13
	RI AND EMMA ALFARO Geographical variation and evolution of ibrium in the province of Jujuy (Argentina)	85
. ,	refania siedlecky Family formation patterns among migrant	05
women in Sydney	TEPANIA SIEDLECKY Furnity jormation patterns among migrani	89
	. HARRISON Impact of migration, environment and socioeconomic	09
conditions on the ph	, , , ,	101
,	ND C. G. N. MASCIE-TAYLOR Influence of social class on the	101
	e of adult children with that of their mothers and fathers	117
	· · · · · · · · · · · · · · · · · · ·	
Book reviews		
	iews Growing up With Alcohol (by E. Fossey)	123
	s Microevolution of the South American Aymara People	
(by M. Dittmar)		124
	s Issues in Fetal Medicine (edited by S. J. Barron &	
D. F. Roberts)		126
 Vol. 28		No. 2
v 01. 20	April 1996	110. 2

DILIP MAHALANABIS, ABU S. G. FARUQUE, ASMA ISLAM AND SYED S. HOQUE Maternal education and family income as determinants of severe disease following acute diarrhoea in children: a case control study 129

SIAN L. CURTIS AND FIONA STEELE Variations in familial neonatal mortality risks in	7 4 7	
four countries ELZBIETA ROGUCKA AND ZYGMUNT WELON Fitness of professionals and skilled worker	141 rs	
in Poland	161	
JESPER BOLDSEN AND GABRIEL W. LASKER Relationship of people across an internation border based on an isonymy analysis across the German–Danish frontier	al 177	
M. M. RAHMAN, M. KABIR AND R. AMIN Relationship between survival status of first child and subsequent child death SYLVIA KIRCHENGAST AND EIKE-MEINRAD WINKLER Differential fertility and body build in !Kung San and Kavango females from northern Namibia		
A. BANKOLE, G. RODRIGUEZ AND C. F. WESTOFF Mass media messages and reproductive behaviour in Nigeria	227	
CARLOS ALBERTO PETTA, MELISSA MCPHEETERS AND I-CHENG CHI Intrauterine		
devices: learning from the past and looking to the future	241	
Book reviews		
STANLEY J. ULIJASZEK reviews Messages Men Hear. Constructing Masculinities (by I. M. Harris)	253	
JEAN PETERS reviews Auxology '94. Children and Youth at the End of the		
20th Century (edited by O. G. Eiben)	254	
ELENA GODINA reviews Human Sex Determination. An Historical Review and Synthesis (by R. Wells)	255	
Vol. 28 July 1996	No. 3	
M. MUJIBUR RAHMAN, M. NURUL ISLAM AND M. MAZHARUL ISLAM Users of		
traditional methods of contraception in Bangladesh: 1981–91	257	
MEHRAB ALI KHAN Factors affecting use of contraception in Matlab, Bangladesh	265	
ADANSI A. AMANKWAA Prior and proximate causes of infant survival in Ghana, wi special attention to polygyny	281	
NASHID KAMAL Influence of family head's reproductive behaviour on the use of mode contraceptive methods by other members of the family in rural Bangladesh	ern 297	
ABDUL WAHAB AND MAHMUD AHMAD Biosocial perspective of consanguineous marriages in rural and urban swat, Pakistan	305	
P. MONTERO, C. BERNIS, V. FERNANDEZ AND S. CASTRO Influence of body mass ind and slimming habits on menstrual pain and cycle irregularity	ex 315	
GOBOPAMANG LETAMO Contributions of the proximate determinants to fertility chan in Botswana		
A. BENER, Y. M. ABDULRAZZAQ AND A. DAWODU Sociodemographic risk factors	343	
associated with low birthweight in United Arab Emirates	339	

P. R. ANDREW HINDE AND AKIM J. MTURI Social and economic factors related to	
breast-feeding durations in Tanzania	347
DOMINIQUE HAUGHTON AND JONATHAN HAUGHTON Using a mixture model to detect son preference in Vietnam	355
NGUYEN MINH THANG AND INGRID SWENSON Variations in Vietnamese marriages, births and infant deaths by months of the Julian calendar and years of the	
Vietnamese and Chinese astrological calendars	367
Book reviews	
COLIN BINNS reviews The Organisation of Academic Work (by P. M. Blau)	379
D. F. ROBERTS reviews The Future of Low Birth Weight Populations (by L. H. Day)	380
C. PANTER-BRICK reviews The Handbook of Children's Rights—Comparative Policy	
and Practice (edited by B. Franklin)	382

Vol. 28	October 1996	No. 4

#### Proceedings of the Galton Institute Symposium on Biological and Social Aspects of Intelligence

Session 1: The Nature of Intelligence	
C. R. BRAND The importance of intelligence in Western societies	387
IAN J. DEARY Reductionism and intelligence: the case of inspection time	405
PATRICK RABBITT Intelligence is not just mental speed	425
Session 2: Physical Factors	
C. NOKES A healthy body and a healthy mind: the relationship between ill-health and cognitive function in school-age children	453
DAVID BENTON, PEARL Y. PARKER AND RACHAEL T. DONOHOE The supply of glucose to the brain and cognitive functioning	463
RUTH MORLEY The influence of early diet on later development	481
Session 3: Genetic Issues	
JO DANIELS, PETER MCGUFFIN AND MIKE OWEN Molecular genetic research on IQ: can it be done? Should it be done?	491
MICHAEL RUTTER, EMILY SIMONOFF AND ROBERT PLOMIN Genetic influences on mild mental retardation: concepts, findings and research implications	509
THOMAS BOUCHARD Behaviour genetic studies of intelligence, yesterday and today: the long journey from plausibility to proof (The Galton Lecture)	527
Session 4: Social and Group Differences	
N. J. MACKINTOSH Sex differences and IQ	559
JAMES R. FLYNN Group differences: is the good society impossible?	573

ROBERT PLOMIN, STEPHEN A. PETRILL AND ALEXANDRA L. CUTTING What genetic	
research on intelligence tells us about the environment	587
Index to Volume 28	607

#### NOTES FOR 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 is given to material which is clearly interdisciplinary.

Papers are considered for publication on the understanding that they have not been, nor will 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 or damage to manuscripts or illustrations and his decision on all editorial matters is final. The Editor reserves the right to make minor literary emendations but manuscripts will not be substantially altered without consultation with the author. The author is responsible for the accuracy of quotations, tabular matter and references.

Manuscripts (original+one copy) should be sent to the Editor, Journal of Biosocial Science, Department of Biological Anthropology, Downing Street, Cambridge CB2 3DZ, UK. They should be written in English, using British spelling, except for quotations which should follow the original. Manuscripts should bear the title of the paper, name and address of the Institution where the work was done, the author's present address (if different), and a short running head (maximum 50 letters). Titles should be brief. A short summary should precede the text. Acknowledgments should be made in a separate section. Footnotes are not accepted. For papers on infant feeding, the use of Labbok & Krasovek's definitions of infant/breast-feeding groups is recommended (Stud. Fam. Plann. (1990) 21, 226).

*Tables* should be typed on separate sheets, be given Arabic numbers and adequate captions. They should not exceed in size the equivalent of one printed page. Their approximate position in the text should be indicated.

Text-figures. Good quality camera-ready originals should be supplied. Captions should be listed on a separate sheet.

*References* in the text should be given by author(s)' name(s) and date. An alphabetical list at the end of the main text, should include, in order: author(s)' name(s), initials, year in parentheses, article title, journal name abbreviated in accordance with the World List of Scientific Periodicals (4th Edn), volume number, first and last page numbers. For books and conference proceedings, Editor(s)' name(s), publisher, and place of publication should be included. Unpublished papers should not be cited, unless in press.

Debate. A section is reserved for publishing comments (maximum 500 words) on papers appearing in previous issues. Authors whose papers are involved will be given an opportunity for simultaneous response.

*Proofs* will be sent to contributors for minor corrections and should be returned to the Editor within 3 days of receipt. Major alterations to the text will be accepted only at the author's expense.

Offprints. 50 offprints of each article will be supplied free to the first named author. Extra offprints may be purchased by ordering on the form sent out with the proofs.

#### **CONTENTS**

#### Proceedings of the Galton Institute Symposium on Biological and Social Aspects of Intelligence

Session 1: The Nature of Intelligence	
C. R. BRAND The importance of intelligence in Western societies	387
IAN J. DEARY Reductionism and intelligence: the case of inspection time	405
PATRICK RABBITT Intelligence is not just mental speed	425
Session 2: Physical Factors	
C. NOKES A healthy body and a healthy mind: the relationship between ill-health and cognitive function in school-age children	453
DAVID BENTON, PEARL Y. PARKER AND RACHAEL T. DONOHOE The supply of glucose	
to the brain and cognitive functioning	463
RUTH MORLEY The influence of early diet on later development	481
Session 3: Genetic Issues	
JO DANIELS, PETER MCGUFFIN AND MIKE OWEN Molecular genetic research on IQ: can it be done? Should it be done?	491
MICHAEL RUTTER, EMILY SIMONOFF AND ROBERT PLOMIN Genetic influences on mild mental retardation: concepts, findings and research implications	509
THOMAS BOUCHARD Behaviour genetic studies of intelligence, yesterday and today: the long journey from plausibility to proof (The Galton Lecture)	527
Session 4: Social and Group Differences	
N. J. MACKINTOSH Sex differences and IQ	559
JAMES R. FLYNN Group differences: is the good society impossible?	573
ROBERT PLOMIN, STEPHEN A. PETRILL AND ALEXANDRA L. CUTTING What genetic	
research on intelligence tells us about the environment	587

Index to Volume 28



607

