MAG

ISSN 0021-9320

# Journal of Biosocial Science

VOLUME 8, NO. 2

**APRIL 1976** 

Obesity is the most frequent nutritional disorder found in an affluent society. It is a threat to life but the excess mortality can be reduced by weight reduction. Obesity affects many aspects of physical wellbeing and causes much unhappiness. Obesity, that is excess fat, results from excess food. It can only be reversed by a deficiency of food, that is by starvation. With starvation, partial or total, fat will always be lost. This can easily be shown in hospital where patients can be under close supervision. When the patient is living at home, however, and has free access to food, such steady loss of fat is rarely seen. The probable reason for this is that it is not generally realized how easy it is to undo rigorous dieting.

Published by
THE GALTON FOUNDATION

7 Downing Place, Cambridge, England

See T. R. E. Pilkington, p. 201 of this issue.

#### EXECUTIVE EDITOR

### Alan S. Parkes

EXECUTIVE SECRETARY

Dee King

Barbara Thompson

EDITORIAL ADVISORY PANEL					
D. R. Brothwell	E. Grebenik	M. P. M. Richards			
Robert Chester	G. A. Harrison	D. F. Roberts			
P. R. Cox	Hans Kalmus	Fred T. Sai			
P. C. L. Diggory	James Maxwell John Peel	E. T. O. Slater			
Alan E. H. Emery	D. M. Potts	R. Snowden			

J. S. Price

ASSISTANT EDITOR

Margaret Herbertson

P. Sargant Florence

## JOURNAL OF BIOSOCIAL SCIENCE

From 1 January 1976 the *Journal of Biosocial Science* will be published by the Galton Foundation and distributed by The Biochemical Society (Publications).

All orders, payments and enquiries regarding 1976 issues (including back numbers sales) should be addressed to:

Journal of Biosocial Science, PO Box 32, Commerce Way, Colchester CO2 8HP, UK

For 1976 (Volume 8) there will be four issues, published in January, April, July and October, comprising approximately 450 pages, equivalent, by a slight change in format, to the present 500 pages.

The subscription rates for 1976 are: Annual subscription £15.00 (US \$37.50)

Per part £4.00 (US \$10.00)

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.

Concessionary rates for members of Societies: enquiries should be addressed to the Journal's Business Office at:

7 Downing Place, Cambridge CB2 3EL, UK

Manuscripts for publication and books for review should be sent to:

The Executive Editor,
Journal of Biosocial Science,
7 Downing Place,
Cambridge CB2 3EL,
UK

Second-class postage pending at New York, N.Y. 10022, U.S.A.

#### JOURNAL OF BIOSOCIAL SCIENCE

#### **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 final. This journal is covered by *Current Contents* and *Biological Abstracts*.

Manuscripts should be sent in duplicate to the Executive Editor, Journal of Biosocial Science, 7 Downing Place, Cambridge CB2 3EL. 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. Where English is not the language of the country of origin, a translation of the English summary into that language may additionally be provided for publication.

Papers must be written clearly, simply and concisely. They should be checked very carefully before being submitted. The author is responsible for the accuracy of quotations, tabular matter and references.

An original paper should not include an extensive review of the literature, but only sufficient references to indicate the purpose and relevance of the investigation. Methods which have been recorded previously should be described only briefly and in general terms, but the author's modifications, if any, may be given in detail. Text, tables and figures must be internally consistent and not repetitious. Results should be described concisely and discussion limited to the significant new findings. Theoretical exercises should be such as to lead to conclusions of general interest. Reviews should be authoritative and well documented.

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.

Manuscripts should bear the title of the paper, name of the Institution where the work was done and, as a footnote, the present postal address of the author if different from that of the Institution. Titles should be brief, but informative, and should indicate the nature of the contents, not their import. A short title, to serve as a running head and consisting of not more than 50 letters (including spaces), should also be given on the title page. A summary not exceeding 5% of the length of the paper should precede the text. Section headings may be of four orders which in print will appear as: centre bold, centre italics, side raised italics and side inset italics; of these, the first and third are normally sufficient. Acknowledgments should be made at the end of the text in a separate section. Footnotes should be avoided except as indicated above.

Diagrams must be numbered as Text-figures and should bear the author's name, short title of the paper and figure number on the back. Captions for Text-figures should be typed on a separate sheet. Visual aids of this kind should be used where possible to replace or supplement tabular matter.

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, with standard abbreviations (µg, mg, g, kg; ml, l; mm, cm, m, km, °C). Other abbreviations which should be used include %, <, >, hr, min. The 24-hr clock should be used to indicate the time of day. Abbreviations as such, 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 among the references unless it has specifically been accepted for publication by a particular Journal, in which case the words (in press) should be used in place of the volume and page number of the journal.

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 Text-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 head of the paper is that on which the script as published was received or agreed.

Offprints. 25 offprints together with 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. Additional offprints up to the limit of 500 may be purchased if ordered on the form sent out with the proofs.

Page charge. There is no charge to authors for publication in J. biosoc. Sci.

© Galton Foundation. 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 Galton Foundation and the author.

# **JOURNAL OF BIOSOCIAL SCIENCE**

Vol. 8, No. 2 April 1976

~		L	4	
u	ont	ш	ut	OL:

Daniel A. Ampofo	Associate Professor, Department of Obstetrics and Gynaecology, University of Ghana Medical School, Accra, Ghana p. 161
Rexford O. Asante	Acting Regional Medical Officer of Health for the Greater Accra Area, Ministry of Health—Ghana, Accra p. 161
K. F. Dyer	Senior Lecturer in Social Biology, University of Adelaide, Australia pp. 123, 131
J. Garfinkel	Statistician, Department of Biomedical and Environmental Health Sciences, University of California, Berkeley, California p. 113
J. B. Gibson	Professorial Fellow, Research School of Biological Sciences Australian National University, Canberra pp. 145, 155
B. B. Gubhaju	Demographer, Family Planning Research, Planning and Evalua- tion Unit, Kathmandu, Nepal p. 79
G. A. Harrison	Reader in Physical Anthropology, University of Oxford pp. 145, 155
R. W. Hiorns	Lecturer in Biomathematics, University of Oxford pp. 145, 155
D. J. Jeffries	Research Assistant, Anthropology Laboratory, Department of Human Anatomy, University of Oxford p. 155
P. L. Joshi	Chief, Family Planning Research, Planning and Evaluation Unit, Kathmandu, Nepal (currently Graduate Student, University of California, Berkeley) p. 79
H. Kalmus	Professor Emeritus, Galton Laboratory, University College, London p. 179
Paul P. A. M. Kop	Research Associate, Institute of Taxonomic Zoology, University of Amsterdam p. 137
R. A. McCance	Emeritus Professor of Experimental Medicine, University of Cambridge p. 175
Alfred K. Neumann	Associate Professor, School of Public Health, University of California, Los Angeles, California p. 161
David D. Nicholas	Lecturer, School of Public Health, University of California, Los Angeles, California p. 161
Samuel Ofosu-Amaah	Head, Department of Community Health, University of Ghana Medical School, Accra, Ghana p. 161
Robert A. Peel	Geneticist, formerly of St John's College, Cambridge p. 183
Lord Platt	Medical Peer, 53 Heathside, Hinchley Wood, Esher, Surrey p. 181
Martin Richards	Lecturer in Social Psychology, University of Cambridge p. 176
S. Selvin	Assistant Professor of Biostatistics, University of California, Berkeley, California p. 113
A. M. Skrimshire	Research Officer, Social Evaluation Unit, Department of Social and Administrative Studies, University of Oxford p. 85
Patrick Slater	Senior Lecturer, Academic Department of Psychiatry, St. George's Hospital, London p. 185
John Stoeckel	Research Demographer/Sociologist, University of California, Berkeley FP/MCH Project, Kathmandu, Nepal p. 79
Jayanti M. Tuladhar	Acting Chief, Family Planning Research, Planning and Evaluation Unit, and Director, World Fertility Survey, Kathmandu, Nepal p. 79
E. M. Widdowson	MRC Grant Holder p. 175
	•