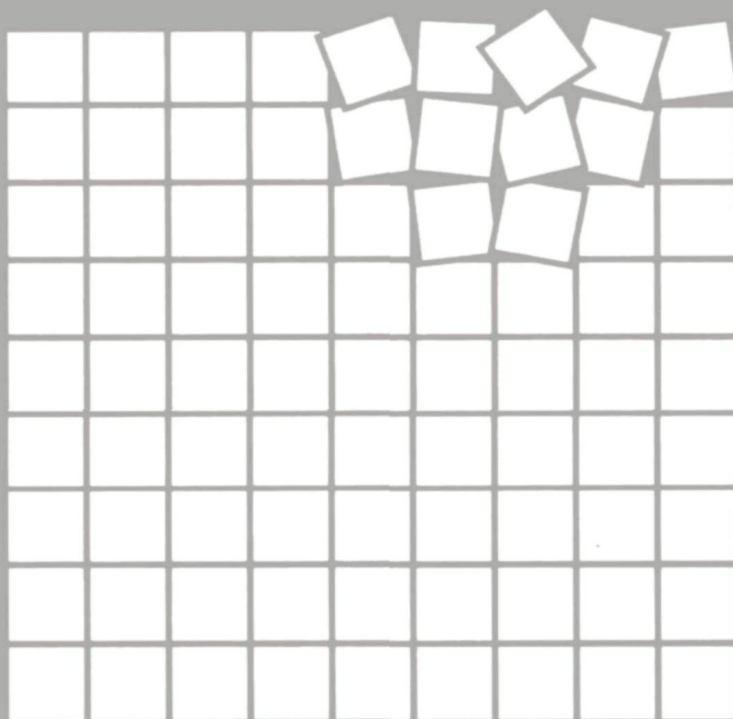


Volume 23 Number 2

May 1993

Psychological

MEDICINE



**A Journal for Research in
Psychiatry and the
Allied Sciences**

Edited by Michael Shepherd

CAMBRIDGE UNIVERSITY PRESS

EDITORIAL COMMITTEE

Executive Editor

MICHAEL SHEPHERD, *Institute of Psychiatry, London*

Assistant Editors

ROBERT KERWIN, *Institute of Psychiatry, London*

ANTHONY MANN, *Institute of Psychiatry, London*

GREG WILKINSON, *London Hospital Medical College, London*

EDITORIAL BOARD

D. BROADBENT, *Oxford*

W. F. BYNUM, *London*

A. CARLSSON, *Gothenburg*

T. J. CROW, *Harrow*

S. GARATTINI, *Milan*

D. GRAHAME-SMITH, *Oxford*

J. A. GRAY, *London*

H. HÄFNER, *Mannheim*

R. A. HINDE, *Cambridge*

A. JABLENSKY, *Sofia*

A. L. JOHNSON, *Cambridge*

M. LADER, *London*

P. L. LANTOS, *London*

A. LAWSON, *London*

W. A. LISHMAN, *London*

M. MARMOT, *London*

C. D. MARSDEN, *London*

P. R. MCHUGH, *Baltimore*

D. PLOOG, *Munich*

L. N. ROBINS, *St Louis*

G. F. M. RUSSELL, *London*

M. L. RUTTER, *London*

J. R. SMYTHIES, *London*

P. VENABLES, *York*

J. K. WING, *London*

M. WYKE, *London*

Technical Editor P. McLAUGHLAN

Psychological Medicine is a journal primarily for the publication of original research in clinical psychiatry and the basic sciences related to it. These comprise not only the several fields of biological enquiry traditionally associated with medicine but also the various psychological and social sciences, the relevance of which to medicine has become increasingly apparent. Commissioned review articles may also be published from time to time. The journal also carries book reviews. Contributions must be in English.

© Cambridge University Press 1993

COPYING

This journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, Mass. 01970. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0033-2917/93 \$5.00 + .00. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

SUBSCRIPTIONS *Psychological Medicine* (ISSN 0033-2917) is published quarterly in February, May, August and November. Periodic supplements to the Journal will be published and sent free to subscribers. The subscription price, which includes postage, of volume 23, 1993 is £137.00 (US \$275.00 in USA, Canada and Mexico) for institutions; £70.00 (US \$136.00 in USA, Canada and Mexico) for individuals ordering direct from the Press and certifying that the journal is for their personal use. Four parts form a volume. Single parts cost £37.00 (US \$71.00 in USA, Canada and Mexico) plus postage. Orders, which must be accompanied by payment, may be sent to any bookseller or subscription agent or direct to the publishers: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in the USA, Canada and Mexico, to Cambridge University Press, Journals Department, 40 West 20th Street, New York, NY 10011-4211. Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay. Japanese prices for institutions (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo. Second class postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in the USA, Canada and Mexico to *Psychological Medicine*, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-9864.

Claims for missing issues will not be entertained unless made immediately upon receipt of the subsequent issue.

Enquiries about advertising should be sent to the Journal Promotion Department of the Cambridge or American Branch of Cambridge University Press.