



THE BRITISH JOURNAL OF PSYCHIATRY

December 1989

Vol 155

Supplement 8

SEROTONIN IN BEHAVIOURAL DISORDERS

*Symposium of
XVIth Collegium Internationale
Neuro-psychopharmacologicum
Munich 15th–19th August, 1988*

Edited by
Donald Eccleston and
Declan P. Doogan

Published by
The Royal College of Psychiatrists

ISSN 0007-1250

THE BRITISH JOURNAL OF PSYCHIATRY

SUPPLEMENT NUMBER 8

VOLUME 155, 1989

Serotonin in Behavioural Disorders

Symposium of XVIth Collegium Internationale
Neuro-psychopharmacologicum, Munich 15th–19th August, 1988

Edited by

**DONALD ECCLESTON
AND
DECLAN P. DOOGAN**

The symposium was supported by a grant from Pfizer International

THE BRITISH JOURNAL OF PSYCHIATRY

Published monthly

Founded in 1853 as the *Asylum Journal* and known as the *Journal of Mental Science* from 1855 to 1963.

EDITOR

Hugh Freeman

ASSOCIATE EDITORS

Dora Black

Alan Kerr

Martin Roth

Sidney Crown

Peter Tyrer

ASSISTANT EDITORS

Alexander Kellam

Michael Reveley

George Stein

Julian Leff

Henry Rollin

Digby Tantam

Catherine Oppenheimer

Oliver Russell

Greg Wilkinson

Ian Pullen

Colin Shapiro

Stephen Wilson

PUBLICATIONS MANAGER

David Jago

SCIENTIFIC EDITOR

Ralph Footring

EDITORIAL ASSISTANTS

Judy Ashworth

Sarah Conyers

BULLETIN MANAGER

Elaine Millen

Correspondence, manuscripts, books for review, for both the *Journal* and the *Bulletin* should be addressed to the Editor, 17 Belgrave Square, London SW1X 8PG (Tel 01-235 8857).

Advertising enquiries, correspondence and copy should be addressed to Mr Peter T. Mell, Advertisement Manager, PTM Professional Publications Ltd, 282 High Street, Sutton, Surrey SM1 1PQ (Tel 01-642 0162).

Subscriptions for non-members of the College are payable to British Journal of Psychiatry Subscription Department, The Royal Society of Medicine, 1 Wimpole Street, London W1M 8AE. Queries from non-members about missing or faulty copies should be addressed within six months to the same address; similar queries from College members should be addressed to the Registration Department, The Royal College of Psychiatrists, 17 Belgrave Square, London SW1X 8PG.

Annual subscription rates 1990 (12 issues post free)

United Kingdom: Institutions £105.00; Individuals £86.00

United States: Institutions \$265.00; Individuals \$162.00

Elsewhere: Institutions £132.00; Individuals £106.00

Single copies of the Journal, £10.00, \$20.00 (post free)

US Mailing Agents: Expeditors of the Printed Word Ltd, 527 Madison Avenue, Suite 1217, New York, NY 10022. 2nd Class postage paid at New York City, NY (USPS No. 536-870).

Back issues published before 1987 may be purchased from William Dawson & Sons Ltd, Cannon House, Folkestone, Kent, England (Tel. 0303 850101).

Printed by Henry Ling Ltd, The Dorset Press, 23 High East Street, Dorchester, Dorset DT1 1HD (Tel. 0305 251066).

© 1989 THE ROYAL COLLEGE OF PSYCHIATRISTS

Contents

<i>List of Contributors</i>	4
Introduction D. ECCLESTON	5
Evidence for the 5-HT hypothesis of suicide: A review of post-mortem studies J. J. MANN, V. ARANGO, P. M. MARZUK, S. THECCANAT and D. J. REIS	7
Obsessive—compulsive disorder as a 5-HT subsystem-related behavioural disorder D. L. MURPHY, J. ZOHAR, C. BENKELFAT, M. T. PATO, T. A. PIGOTT and T. R. INSEL	15
Serotonergic dysfunction in depression H. MELTZER	25
The antidepressant effects of 5-HT uptake inhibitors A. ÅBERG-WISTEDT	32
Reduction of food intake by manipulation of central serotonin: Current experimental results S. GARATTINI, T. MENNINI and R. SAMANIN	41
Central serotonin and impulsive aggression E. F. COCCARO	52
Is there a relationship between serotonin receptor subtypes and selectivity of response in specific psychiatric illnesses? S. H. MONTGOMERY and N. FINEBERG	63