THE JOURNAL

OF

MENTAL SCIENCE

(THE BRITISH JOURNAL OF PSYCHIATRY)



BY AUTHORITY OF
THE ROYAL MEDICO-PSYCHOLOGICAL ASSOCIATION

EDITOR-IN-CHIEF

G. W. T. H. FLEMING

WITH THE ASSISTANCE OF

Alexander Walk (Co-Editor)

L. C. Cook

F. L. Golla

P. K. McCowan

A. Meyer

R. M. Norman

(The above constitute the Journal Committee)

AND

E. D. Adrian
W. Ross Ashby
Sir F. C. Bartlet
W. E. le Gros Clark
S. M. Coleman

C. J. C. Earl Sir A. Fleming A. A. W. Petrie Derek Richter E. T. O. Slater

J. N. P. Moore

LONDON

J. & A. CHURCHILL, LTD

Published Four times Yearly Twelve Shillings and Sixpence net

THE JOURNAL OF MENTAL SCIENCE

Communications on general editorial matters, including MSS. for publication, books for review and other printed matter, and communications regarding the *Epitome* section, including journals to be abstracted, should be sent to the **Editor-in-Chief**, **Barnwood House**, **Gloucester**.

Communications and enquiries regarding sales should be addressed to the Publishers, Messrs. J. & A. CHURCHILL, Ltd., 104 Gloucester Place, Portman Square, London, W.1; and those regarding Advertisements to the Editor-in-Chief, Barnwood House, Gloucester. Phone: Gloucester 66292.

Details of membership of the Royal Medico-Psychological Association are obtainable from the Secretary, R.M.P.A., 11 Chandos Street, Cavendish Square, London, W.1.

THE ROYAL MEDICO-PSYCHOLOGICAL ASSOCIATION PUBLICATIONS

From Messrs. Adlard & Son, Ltd., Bartholomew Press, Dorking, Surrey.

Enquiry (History) Form, for use in Mental Hospitals. In three sizes. Prices and specimen forms on application.

From Messrs. J. & A. Churchill, Ltd., 104 Gloucester Place, W.1.

"The Journal of Mental Science." Published four times a year. Price 12/6. Postage extra.

From Messrs. Baillière, Tindall & Cox, 8 Henrietta Street, W.C.2.

"Handbook for Mental Nurses." 8th edn. In preparation.

"Manual for Mental Deficiency Nurses." 1931. Price 6/6 net.

"Occupational Therapy." Addendum to "Handbook". 1938. Price 6d.

From The REGISTRAR, R.M.P.A., 11 Chandos Street, W.1.

"Nursing Examination Papers, 1928-38." Price 9d. each. Postage 1d.

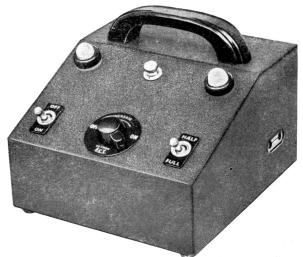
"Regulations for the D.P.M. of the R.M.P.A."

From The Secretary, 11 Chandos Street, W.1.

The Charter and By-Laws of the Association. Price 2/-. Postage 11d.

'ECTONUS' ELECTRO-CONVULSANT APPARATUS

(A.C. or D.C. Mains)



For a new improved ECT technique which reduces the need for muscle relaxants.

Also:

'ECTONUSTIM'

-combined ECT and Cerebral Stimulator

'ECTRON'

—ECT apparatus

'ECTRON'

-Rubber Mouth Gag

Write for full details to: ECTRON LTD

REELEK WORKS · BALDOCK · HERTS · ENGLAND

Telegrams: "Reelek" Baldock Telephone: Baldock 376

WYKE HOUSE, ISLEWORTH

MIDDLESEX Tel. EALing 7000

A Private Hospital for individual treatment of all forms of Nervous and Mental illness, including Alcoholism. Uncertified and certified patients are admitted and particular attention is given to the needs of the aged. This well-known Home for Men and Women is surrounded by attractive and secluded grounds, and all well-tried modern treatments are available,

DR. H. PULLAR-STRECKER

DR. G. W. SMITH, O.B.E.

MENTAL HOSPITALS, INSTITUTIONS, HOMES, ETC.

CHEADLE ROYAL CHEADLE, CHESHIRE

A Registered Hospital for MENTAL DISEASES, and its Seaside Branch, GLAN-Y-DON, Colwyn Bay, N. Wales.

The object of this Hospital is to provide the most efficient means for the treatment and care of PRIVATE PATIENTS OF BOTH SEXES suffering from MENTAL and NERVOUS DISEASES.

The Hospital is governed by a Committee appointed by Trustees.

VOLUNTARY, TEMPORARY and CERTIFIED PATIENTS RECEIVED For Terms and further information apply to the MEDICAL SUPERINTENDENT

Telephone: GATLEY 2231

CHISWICK HOUSE

A Private Nursing Home for the Treatment and Care of Mental and Nervous Illnesses in both Sexes

Telephone: PINNER 234 PINNER MIDDLESEY

A modern house. 12 miles from Marble Arch, in attractive, secluded grounds. Fees from 12 guineas per week, inclusive. Patients treated under certificate, Temporary or Voluntary status. Modern forms of treatment, including psychotherapy, narco-analysis, modified insolution, occupational therapy, E.C.T., etc.

DOUGLAS MACAULAY, M.D., D.P.M.

HITCHAM PLACE, BURNHAM, BUCKS.

(late Fenstanton, Christchurch Road, S.W.2)

A Private Home for the Care and Treatment of a limited number of Ladies with Mental and Nervous Disorders. Temporary and Voluntary Patients received. Large Country Mansion with twenty acres of grounds in Green Belt. Home-like surroundings.

Apply: Dr. Madeline R. Lockwood, Resident Physician. Telephone: Burnham 624

HAYDOCK LODGE NEWTON-LE-WILLOWS LANCASHIRE

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders. Alcoholism and Drug Addiction, either voluntary, temporary or under certificate. Patients are classified in separate buildings according to their mental condition.

Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT.

Telegraphic Address: "Street," Ashton-in-Makerfield.

'Phone: 7311 Ashton-in-Makerfield.

HEIGHAM HALL, NORWICH

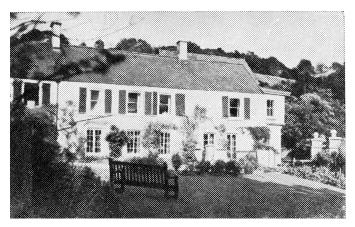
PRIVATE MENTAL HOME for Nervous and Mental illness. All types of treatment carried out. Accommodation for Alcoholics and Addicts available. Special Geriatric Unit now open.

Fees from 6 gns. per week upwards according to requirements.

Apply to Dr. J. A. SMALL. Telephone: Norwich 20080.

BARNWOOD HOUSE

GLOUCESTER



CRICKLEY COURT-ONE OF THE SEPARATE VILLAS

REGISTERED HOSPITAL (outside the National Health Service), for the CARE and TREATMENT of **LADIES** and **GENTLEMEN** suffering from NERVOUS and MENTAL DISORDERS. Within two miles of the Western and London Midland Regional Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over Voluntary Patients of both sexes are also 300 acres. received for treatment. Special accommodation is also provided at three villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital. All the most modern methods of treatment including electric shock and prefrontal leucotomy are used.

For Terms, etc., apply to

G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent

who may be seen in London by appointment

TELEPHONE: No. 66207 GLOUCESTER



NEW portable direct-recording equipment

This new, and versatile, group of portable units can be combined in various ways to provide direct-recording equipment for many physiological and physical applications where permanent records are required of variable activity at frequencies below 100 cycles per second.

Using conventional paper, this form of ink recording has a marked economical advantage over continuous film recording of intermittent phenomena, either D.C. or A.C. up to 90 c.p.s. The low recording cost is very important in the case of long recordings, often of one hour duration, when the cost of all other methods is quite prohibitive. The recordings are permanent and visible from the instant of occurrence.

The equipment consists of four units.

- (1) Recorder Unit EPR. (1-4 pen) direct ink-writing pen oscillograph. This unit can be supplied with up to four pen motors as required. The equipment includes ink supply, three-speed paper device, internal load resistances for C.R.O. use and appropriate controls. A seconds time marker is also provided. The unit requires suitable amplifiers for operation as a critically damped high speed oscillograph recorder.
- (2) Amplifier Unit EPA.—High gain—low noise A.C. coupled amplifier push-pull throughout, 5 stages specifically designed for operating the pen recorders as used in the Recorder Unit EPR. Frequency response 0.35-500 c.p.s.—1½db. Voltage gain 3 x 106 which corresponds to 10 millimetres for 10 microvolts peak to peak on the Pen Oscillograph.

Electro Encephalography
Electro Cardiography
Electro Myography

- (3) Stabilised Power Supply Unit—EPP.—designed to supply one or two amplifiers type EPA. It provides the H.T. supply for the later stages, the A.C. heater power for the latter valves, and a highly stabilised voltage supply for the early stage heaters.
- (4) Input Switch Unit—EPI.—designed to work with the other units in this group. It consists of a Master-Switch for the selection of pre-wired master electrode patterns and also allows individual selection of any electrode to either side of any amplifier input. A Master Calibrator and Balance Switch is also incorporated. A small camera-tripod-type input stand, the head of which accepts up to eleven electrode leads and provides an earth connection, stows away inside the EPI. unit for carriage.

All the units are fully portable, fitted with carrying handles and quickly detachable covers for transport. Finish is grey Moroccoid which is durable and relatively dust free.

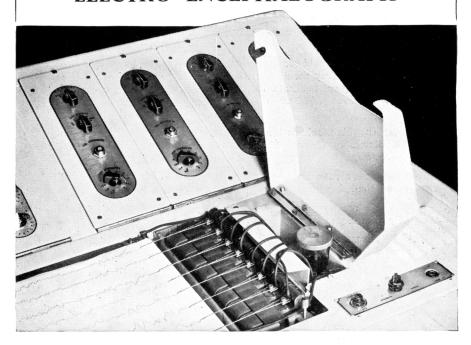
FURTHER DETAILS & PRICES AVAILABLE ON REQUEST

EDISWAN

THE EDISON SWAN ELECTRIC CO. LTD 155 CHARING CROSS RD., LONDON W.C. 2. & BRANCHES Tel: GER. 8660 Grams: Ediswan, Westcent, London Member of the A.E.I. Group of Companies

EM121

THE MARCONI EIGHT-CHANNEL ELECTRO-ENCEPHALOGRAPH



The new 8-channel E.E.G. is functionally designed to provide every possible facility. The long, low, desk-type instrument allows the seated operator a clear view of both patient and record, over three feet of the paper being visible at one time.

Refinements include a master attenuator, in addition to individual channel attenuators, and an illuminated electrode-pattern indicator. Both the 10-20 and the National Hospital electrode systems are available.



MARCONI INSTRUMENTS

DIATHERMY · AUDIOMETRY · ELECTRO-ENCEPHALOGRAPHY · ELECTRO-CARDIOGRAPHY

THERAPEUTIC AND DIAGNOSTIC X-R4YS

MARCONI INSTRUMENTS LTD · ST. ALBANS · HERTS · Phone : St. Albans 6160/9
30 Albion Street, Kingston-upon-Hull. Phone : Hull Central 16144
19 The Parade, Leamington Spa. Phone : 1408

And at: BELFAST · CARDIFF · GLASGOW · LIVERPOOL · NEWCASTLE · SOUTHAMPTON

Managing Agents in Export:

MARCONI'S WIRELESS TELEGRAPH CO. LTD., MARCONI HOUSE, STRAND, LONDON, W.C.2

INSTRUCTIONS TO AUTHORS

Strict observation of the following requirements will save intending authors considerable time and worry, and will facilitate the publication of papers submitted.

- (1) Authors should consult a current issue to see how a paper should be presented. They should consult *General Notes on the Preparation of Scientific Papers*, published for the Royal Society by the Cambridge University Press, 200 Euston Road, London, N.W.1 (price 2s. 9d. post free).
- (2) The title should be brief and contain no sub-heading. This should be followed by the author's name, his qualifications and his present appointment.
- (3) Omit a summary of the literature when this has been adequately summarized elsewhere.
- (4) For reasons of economy, case-histories of patients can be published only when they are of exceptional scientific interest.
- (5) Diagrams and graphs must be drawn in black ink with properly printed lettering. If they have to be redrawn by the printer, the cost, which may amount to several pounds, will be charged to the author.
- (6) Tables and graphs should be kept as few as possible. If they number more than a few, the author must be prepared to pay part of their cost.
- (7) Any deviation or difference that might be due to random sampling must, if it is to be discussed in its general, scientific significance, be first shown, by calculation of the appropriate probability, to be significant statistically.
- (8) All references should be given at the end of the paper, in alphabetical order, and in the following form:

SMITH, A. B., J. Ment. Sci., 1950, 95, 493.

In the body of the paper they should appear as: Smith (1950).

- (9) When the proof arrives from the printer it is for the correction of printer's mistakes only. Larger alterations can be made only with the Editor's permission and if the author is willing to defray the cost.
- (10) The author will receive 10 reprints of his paper free of charge. If further reprints are required the order should be sent **direct** to Messrs. Headley Brothers, Ltd., The Invicta Press, Ashford, Kent.
- (11) A paper sent to the Editor-in-Chief is, as a rule, sent to one of the panel of Referees set out on the cover of the Journal for his opinion. Papers are as a rule not rejected until a second or further opinion has been received.



NOEL G. HARRIS, M.D., F.R.C.P., D.P.M.