At the Meeting the Secretary notified the arrangements for the next three meetings at St. Francis Hospital, Haywards Heath; Holloway Sanatorium, Virginia Water; and Graylingwell Hospital, Chichester.

The following were elected to Ordinary Membership of the Association :

DONIGER, CECILE RUTH, M.B., B.S.(Lond.), D.P.H.(Univ. of Lond.), D.C.H., Registrar, Brookwood Hospital, Knaphill, Woking, Surrey.
Proposed by Drs. L. Barber, J. M. Frew, I. E. J. McLauchlan.

MARLEY, EDWARD, M.B., B.Chir.(Cantab.), M.A.(Cantab.), D.P.M.(Univ. of London), 58, Belgrave Road, London, S.W.1.
Proposed by Drs. D. T. Annesley, J. ff. Edwards, J. F. Jenkins.

SCRIVENER, JOHN PERCY, M.B.E., M.R.C.S.(England), L.R.C.P.(Lond.), D.P.H., Junior Hospital Medical Officer, Graylingwell Hospital, Chichester.
Proposed by Drs. M. Roth, J. D. Morrissey, N. E. Panton.

TARNESBY, HERMAN PETER, M.D.(Lond.), D.R.C.O.G., D.P.M., Consultant Psychiatrist, British Hospital for Functional Nervous Disorders, 148, Harley Street, London, W.1.
Proposed by Drs. E. Stengel, P. K. Taylor, C. Kenton.

WEEKS, KENNETH FREDERICK, M.B., B.S.(London), D.P.M.(London), Registrar, Warlingham Park Hospital, Upper Warlingham, Surrey.
Proposed by Drs. T. P. Rees, W. H. Shepley, D. Smedberg.

There was only one nomination for the post of Junior Representative on the Council, and Dr. Ian MacDonald was declared elected in accordance with Bye-Law 34 (ii).

In the absence of Dr. T. E. Grant, his paper on **"Psychiatric Aspects of Pulmonary Tuberculosis"** was read by Dr. R. H. BOARDMAN, and its comprehensive survey of the subject was much appreciated.

Dr. ARKLE's paper **"Schizophrenia in Identical Twins"** gave an account of two pairs of identical twins with schizophrenia, and in the discussion which followed, other members gave their experiences.

In the third paper of the afternoon, written by Dr. J. LOMAS and Dr. R. H. BOARDMAN, and entitled **"The Changing Face of Psychoses,"** the change in the form taken by a psychosis with the passage of time was discussed. This brought up the whole question of diagnosis and many interesting reminiscences of the past were related by some of the older members.

A very interesting meeting concluded with a vote of thanks to the speakers, proposed by Dr. W. MCCARTAN, Chairman of the Division, after which Dr. A. A. W. PETRIE, a Past-President of the Association, proposed a vote of thanks to Dr. Beccle and the Management Committee of the Hospital for their hospitality.

NORTHERN AND MIDLAND DIVISION.

THE AUTUMN MEETING of the Division was held on Monday, 5 October, 1953, at St. Nicholas Hospital, Gosforth, by kind permission of Dr. J. P. Child, Medical Superintendent, and his Management Committee. During the morning members had the opportunity of seeing the Intensive Investigation and Treatment Centre administered by the Hospital and staffed as far as technical staff was concerned by members of Professor Kennedy's University Department.

Dr. G. W. T. H. Fleming, the President of the Association, was a welcome visitor.

BUSINESS MEETING.

1. Minutes were read and signed as correct.
2. Apologies were received from Drs. E. S. Stern, Pinkerton and Weil
3. Present were 54 Members and guests.
4. The Report of the Committee of Management was given by the Secretary.
5. The Report of the Divisional Representative on Council was given by the Secretary.
6. The following candidates were duly elected to Ordinary Membership :

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COLLINS, AGNES DOROTHY, M.B., B.C.A., B.A.O., D.P.H., D.C., Senior House Officer, Scalebor Park, Burley-in-Wharfedale, nr. Leeds.
Proposed by Drs. James Valentine, E. J. Harrison, H. B. Kidd.

PAINE, DOUGLAS HAROLD DAVEY, M.B., B.S., M.R.C.S., L.R.C.P., D.P.M. (R.C.P.& S.), Consultant Psychiatrist and Medical Superintendent, St. Margaret's Hospital, Gt. Barr Park, Birmingham, 22a. Consultant Psychiatrist to Burton Road Hospital, Dudley, and New Cross Hospital, Wolverhampton.
Proposed by Drs. D. C. Dewar, B. W. Richards, D. Firmin.

CLINICAL SESSION.

Professor KENNEDY introduced a lengthy series of papers and demonstrations, most of them related to the work of the Intensive Investigation and Treatment Centre at St. Nicholas Hospital. This unit was not intended to function as an Admission Hospital. It contained 8 male and female beds, with operating and X-ray theatre and full facilities for organic, biochemical, psychiatric, electro-encephalographic and social investigation. Attempts were being made to devise objective tests for deterioration. Many cases showing such symptomatology improved merely through being in the unit.

Dr. J. B. STANTON gave an outline of the various investigations and tests done. A standard test situation was devised for each patient without preconceived ideas as to which functions were hoped for when a sufficiently large series of patients had been examined before and after topectomy.

Mr. LIGGETT demonstrated apparatus for determining quantitatively the patient's ability to establish conditioned reflexes, which is one of the ways of investigating cortical function. The apparatus consisted of a means of blowing an unpleasant jet of oxygen on the patient's eyes, accompanied by an amplified note. Eye closure as a protective conditioned reflex was detected by a photo-electric cell and the stimuli and patient's responses recorded by the pen-writers of an electroencephalograph.

Dr. ORTON read an interesting and all too short paper on **" Depressive Instability in Adolescence."** There was little description of this in the text-books. He felt it was a distinct clinical entity, comparable to involutional melancholia and not necessarily a herald of full blown schizophrenia. He gave examples of the condition among university students, emphasized the wish for suicide and said the prognosis was not unfavourable if they were " carried " and reassured for a few months.

Dr. KILOH read a paper and demonstrated very impressive and convincing E.E.G.'s related to patients suffering from pernicious anaemia. Among 80 cases studied, 51 showed E.E.G. abnormalities, none of them specific, but many of them of great severity. All cases were treated with vitamin B_{12}. Six out of seven cases with subacute organic reactions showed recovery, psychiatrically, haematologically and electroencephalographically.

Mr. OSSELTON, B.Sc., Mr. W. H. STANTON and Mr. N. V. CLARKE demonstrated :

1. A very complex apparatus for producing variations and combinations of different types of photic stimulation, using two lamps. They pointed out the great use of such apparatus in investigating suspected epileptics and showed by means of E.E.G. studies how one lamp alone, or two used in a certain rhythm, may produce no abnormality in the E.E.G., whereas using a different frequency or combination of frequencies, typical spike and wave formations could be produced. They gave a warning that controls, with no history suggestive of epilepsy, had given similar results in some cases.

2. A Four-Channel Portable E.E.G. This was made in sections, could be transported by car and assembled in 10 minutes. It could be taken to the bedside of any sick patient and it was hoped to use it to do studies on dying and dead patients, since cerebral electrical activity had been demonstrated after clinical death.

Professor KENNEDY gave a historical demonstration of various types of E.C.T. apparatus, using a cathode ray oscillograph to demonstrate differences in the current delivered to the patient's cerebrum by other machines.

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