

for several months by building alterations; it is now, however, being again regularly investigated. There has also been some delay in the investigation of the permeability of brain membranes. The study of the serological agglutination reactions has been continued. A special technique has been developed for the investigation of the bacteriology of the nasal sinuses. Many specimens of sphenoidal sinusitis from *post-mortem* examinations have been collected and preserved for special study of septic conditions adjacent to the pituitary gland, with a view to the correlation of endocrine disturbances consequent upon such conditions. The histological investigation of these and other sinuses is being carried out to determine whether there is a direct bacterial spread from the sinuses to the brain in addition to the toxic absorption effects which are known to occur.

Laboratory work includes the examination of 3861 specimens. Nineteen patients have been investigated for basal metabolism and 45 *post-mortem* examinations have been made.

Bacteriological.—A considerable amount of time has been expended in the elaboration of a satisfactory technique for the collection, transmission and culture of organisms from the post-nasal sinuses. In collaboration with the clinical work of Dr. Graves and surgical investigations by Mr. Stirk Adams over 500 specimens have been examined. A number of these have shown pure uncontaminated cultures of important streptococci and, what is perhaps of considerable significance, of diphtheroids and various "fæcal" organisms, such as *B. proteus* and *B. pyocyaneus* (but not *B. coli*). Much work has been done to elucidate the abnormal agglutination-response of patients by animal tests under a great variety of conditions. As in previous years, a considerable number of non-agglutinating organisms of the paratyphoid ("Salmonella") group have been found, with occasional undoubted pathogenic organisms (*B. typhosus* twice, dysentery Y twice).

Histological.—About half the number of sphenoidal sinuses examined *post-mortem* show evidences of active or previous inflammatory change. Over 20 such specimens have been collected and mounted, and many of these further investigated by histological examination of a section of the pituitary fossa and sinus for bacterial invasion. One case (G. S—) clearly showed the passage of organisms from the sinus membrane into bone, dura mater and pituitary. The method for the detection of Gram-negative organisms has been applied to the study of these sinus conditions and of the hypothalamic region of the brain. It is believed that this is a likely site of bacterial and toxic invasion of the brain *via* the pituitary stalk. There has also been an investigation of the stomach mucosa in *post-mortem* examinations, and in one case which showed multiple hæmorrhages resembling a leopard's skin, diplococci were found within the thrombosed vessels and deep in the tissue, these being considered responsible for the superficial hæmorrhages. Other specimens of stomach mucosæ have been obtained showing the various stages between this condition and erosions or multiple small ulcers.

Chemical.—Over 40 pairs of adrenal and gonad glands have been completely examined quantitatively for the fat-lipoid-cholesterol ratios, and this work is now being prepared for publication. There have been 59 investigations of the permeability quotient by Walter's bromide test, with especial reference to changes which might occur following non-protein therapy and arsenical treatment of general paralysis and other cases of mental disorder. These results have been correlated with colloidal gold determination, quantitative Wassermann tests and cell-counts. The basal metabolism experiments have been continued whilst the patient is sleeping, as it has been found that this is the only satisfactory method of investigation with patients whose cooperation is doubtful. This work is progressing, but no correlations or deductions can yet be made with regard to its bearing on mental disorder.

NOTICE BY THE HONORARY LIBRARIAN.

The following journals are circulated from the Library :

American Journal of Psychiatry.
The Psychological Review.
Journal of Neurology and Psychopathology.
L'Encéphale.

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International Journal of Psycho-Analysis.
Journal of Abnormal Psychology.
Mental Hygiene.
Journal of Nervous and Mental Diseases.
Revue Neurologique.
Archives of Neurology and Psychiatry.
Journal of Comparative Psychology.

As a psychiatric reference library that of the Royal Medico-Psychological Association should be the first in the United Kingdom and very soon could be, if members would contribute only one work each. A copy of the Library catalogue can be obtained from Messrs. J. & A. Churchill, price 2s., post free, from which members can gather the titles of books missing from what should be a historical collection of psychiatric works from the seventeenth century onwards. The Honorary Librarian will be glad to assist members in making a suitable selection of works for presentation. Failing this, the Committee would like to have the first offer of rare psychiatric books which members for some reason or other find it necessary to sell.

NOTICES BY THE REGISTRAR.

EXAMINATION FOR THE NURSING CERTIFICATE.

List of Successful Candidates.

Those marked * passed "with distinction."

NOVEMBER, 1928.

Mental Nursing.

Beds, Herts and Hunts (Three Counties).—Sarah Ann Edwards, Mary Robson, Percy Ivan Ward, Eric Arthur Measures, Ernest Page, Desmond Victor Bolt, Arthur Brown.

Berkshire.—John Andrews, Edwin Franks, Michael Francis Gavin, Thomas Hubert Johnson.

Cheshire, Chester.—John Harnott Benson, Peter Hughes, Dorothy Cross, Lilian Edna Lloyd, Margaret Williams, Gwyneth Thelwell.

Cheshire, Parkside.—Ethel Cahill, Esther Seymour, Mary Beaver, Ruth Miles, Mollie Owens, Agnes Moore, Margaret Mary Healy, Winifred Annie Bradshaw, Rose Anne Brady, John Cornes, Ernest Mellor.

Cornwall.—John Gregory, Jack Leslie Johns, Garnett Tucker, Florence Jeffery, *Amy Goldstraw.

Derbyshire.—Arthur Edward Dobson, Josephine O'Donnell, Dorothy Hurst.

Devon.—Doris Patey, *Agnes Pauline Cann, Mabel Adaline Carhart, George Ponsford.

Dorset.—Dorothy Hanham, Nellie Cox, Evelyn Frances M. Shepard, Gladys May Pattison, *Reginald Michael T. Coombs, Edward George Warr.

Durham.—Doris Jane Easton, Lily Laverick, *Jessie Mowbray, Sarah Ellen Norris, Louisa Mason, Elsie Rayner, Winifred Mary Watson, May Welford, Priscilla Witton, Frederick C. Starnes, Noel Pratt, Fred Harland, William Meek Forster, Arthur J. Crisp.

Essex, Brentwood.—Geoffrey Beck Field, John Hardcastle, John Alexander Henderson, Joseph Raison, Violet Kitchener Goodwin, Kathleen Houston, Ida Vinn, Kathleen Mary Heath, May Ella Dorrington, Eileen Teresa Creede, Maude Huhndorf.

Essex, Severalls.—Gladys Mary Hooks, May London.

Hampshire, Park Prewett.—Mary Teresa Glancy, Margaret Hayden, Adeline West, Elizabeth Veronica Josephine Allen, David John Bowen, Enoch Myrddin Davies, Charles William Glasier, Robert Pierce Jones, Willie Pogson, John Summers.

Kent, Chartham.—Jack William Oxley, William Drew, Thomas Kenny, Mabel Sybil Sayer.

Lancashire, Winwick.—Thomas Cornwell, Charles Hambleton, Morris Jones Williams, Frederick Cole, Richard Williams, Thomas Richard Atkinson, William Hart, George H. Murray, Melville David Hay, Edward Radford.