

of parents were among the sponsors of the conference. This report of the proceedings is essential for anyone interested in recent advances in this rapidly developing subject. The emphasis in the contributions is on the scientific and aetiological aspects. Though inevitably in such a symposium the quality of the chapters varies, the general level is high. Among the British contributors is Professor Cumings, who writes on copper, iron, and lead in relation to the brain, whilst Professor Polani summarizes recent findings on chromosome anomalies in relation to mental subnormality, in particular in Klinefelter's and Turner's syndrome and in mongolism.

One of the most important of recent developments in the understanding of malfunction and maldevelopment of the brain is lucidly discussed by D. Y.-Y. Hsia under the head of "Enzyme and Mental Deficiency." He mentions 13 "inborn errors of metabolism" which give rise to mental defect, pointing out that this branch of knowledge is still in its infancy and suggesting that in 10 or 20 years a whole conference will be required to do justice to the subject. Illustrating possible therapeutic developments, he hopes that "more effective means at an enzyme and metabolic level" may be used to prevent brain damage from hyperbilirubinaemia instead of the present tedious technique of exchange transfusion. Wortis and Jackson were unable to identify the presumed toxic substance in the serum of phenylketonurics, but found that this serum caused a reduction in the oxygen uptake of rat-brain tissue. The value of the volume for reference would have been enhanced by an author index.

B. KIRMAN.

BOOKS RECEIVED

Review is not precluded by notice here of books recently received.

The Catarrhal Child. By John Fry, M.D.(Lond.), F.R.C.S. (Eng.). (Pp. 139+viii. 25s.) London: Butterworths. 1961.

Ciba Foundation Study Group No. 6. **Metabolic Effects of Adrenal Hormones in Honour of Professor G. W. Thorn.** Editors for the Ciba Foundation: G. E. W. Wolstenholme, O.B.E., M.A., M.B., M.R.C.P., and Maeve O'Connor. (Pp. 109+viii; illustrated. 12s. 6d.) London: J. and A. Churchill Ltd. 1960.

Adrenergic Mechanisms. Ciba Foundation Symposium jointly with Committee for Symposia on Drug Action. Editor for the British Pharmacological Society: J. R. Vane, B.Sc., D.Phil. Editors for the Ciba Foundation: G. E. W. Wolstenholme, O.B.E., M.A., M.B., M.R.C.P., and Maeve O'Connor, B.A. (Pp. 632+xx; illustrated. 70s.) London: J. and A. Churchill Ltd. 1960.

The Cutaneous Manifestations of the Benign Inflammatory Reticuloses. Edited by Samuel M. Bluefarb, B.S. M.D., F.A.C.P. (Pp. 408+xviii; illustrated. £5 12s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Chemical Basis of Clinical Psychiatry. By A. Hoffer, M.D., and Humphry Osmond, M.R.C.S., D.P.M. (Pp. 277+xvi. 68s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Chemistry of Immunity in Health and Disease. By David W. Talmage, M.D., and John R. Cann, Ph.D. (Pp. 178+xi; illustrated. 46s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

Medical Forms and Procedures for Industry. By Herbert L. Herschensohn, M.D. (Pp. 192+xv. 68s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

Micro-Organisms as Allies. The Industrial Use of Fungi and Bacteria. By C. L. Duddington. (Pp. 256; illustrated. 25s.) London: Faber and Faber. 1961.

Eating Your Way to Health. The Bircher-Benner Approach to Nutrition, with a Complete Cookery Book. By Ruth Bircher. Translated and edited by Claire Loewenfeld. (Pp. 372. 30s.) London: Faber and Faber. 1961.

Parasitology (Protozoology and Helminthology) in Relation to Clinical Medicine. By K. D. Chatterjee, M.D.(Calcutta). (Pp. 192; illustrated. Rs. 18.75.) Calcutta: S. N. Guha Ray. Sree Saraswaty Press Ltd. 1960.

Evaluation and Management of the Brain-Damaged Patient. By Jerome S. Tobis, M.D., and Milton Lowenthal, M.D. (Pp. 109+xii; illustrated. 48s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Tutoring of Brain-Injured Mentally Retarded Children. By James J. Gallagher, Ph.D. With a Foreword by Samuel A. Kirk, Ph.D. (Pp. 194+xv. 54s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

Cleft Lip and Palate Rehabilitation. By William H. Olin, D.D.S., M.S. With a Chapter by Duane C. Spriestersbach, Ph.D. (Pp. 194+ix; illustrated. 72s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

Quantitative Cellular Haematology. By J. M. Yoffey, D.Sc., M.D., F.R.C.S.(Eng.). (Pp. 122+xv; illustrated. 44s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

Speech Therapy in Cerebral Palsy. By Merlin J. Mechem, Ph.D., Martin J. Berko, M.A., and Francis Giden Berko, M.A. (Pp. 307+xi. 80s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Pathology of Cerebral Palsy. By Abraham Towbin, M.D. (Pp. 206+xi; illustrated. 64s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Textbook of Medical Physiology. By Arthur C. Guyton, M.D. Second edition. (Pp. 1,181+xxvi; illustrated. £5 8s.) Philadelphia and London: W. B. Saunders Company. 1961.

Atlas of Anatomy and Surgical Approaches in Orthopaedic Surgery—Lower Extremity. By Rodolfo Cosentino, M.D. With a preface by Carroll B. Larson, M.D. (Pp. 263; illustrated. £5 12s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Parkinsonism. Its Medical and Surgical Therapy. By Irving S. Cooper, M.D., Ph.D., F.A.C.S. (Pp. 239+xii; illustrated. £6 18s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1961.

The Story of Hospital Almoners. The Birth of a Profession. By E. Moberly Bell, with a foreword by Sir Ernest Rock Carling. F.R.C.S., F.R.C.P. (Pp. 160; illustrated. 13s. 6d.) London: Faber and Faber. 1961.

The Control of Disease in the Tropics. A Handbook for Medical Practitioners. By T. H. Davey and W. P. H. Lightbody. Second edition. (Pp. 422+xii; illustrated. 47s. 6d.) London: H. K. Lewis and Co. Ltd. 1961.

The Transplantation of Tissues and Organs. By Michael F. A. Woodruff, M.D., M.S.(Melb.), F.R.C.S., F.R.C.S.E., F.R.A.C.S. (Pp. 777+xxxiii; illustrated. £10 4s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Surgical Treatment of Portal Hypertension Bleeding Esophageal Varices and Ascites. By M. Judson Mackby, M.D., D.A.B.S., F.I.C.S. With a foreword by Emile Holman, M.D. (Pp. 250+xviii; illustrated. 84s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Hearing Enhancement. By John A. Victoreen, LL.D., with a foreword by Frank S. Forman, M.D. (Pp. 183+xiv; illustrated. 60s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Experiencias Sobre Enfermedades Tropicales en Zonas Rurales de Venezuela. By Luis Dao. (Pp. 397+vii; illustrated. No price.) Caracas, Venezuela: Corporación Universo Ltda. 1960.

The Medical Directory of South Africa 1960. (Pp. 360. No price.) Durban: The Knox Publishing Co. 1961.

Toxicity of Industrial Metals. By Ethel Browning, M.D. (Pp. 325+vii+14. 50s.) London: Butterworths. 1961.

Médecine Sociale de l'Adolescent. Sa Mise au Travail. By Louis Christiaens. Preface by Professeur Julien Marie. (Pp. 613. N.F. 54.) Paris: G. Doin et Cie. 1960.

Notes on W.V.S. Health and Hospital Work. (Pp. 43. No price.) London: W.V.S. Headquarters, 41 Tothill Street, S.W.1. 1960.

The Thing Called Space. By Jay E. Darlington. (Pp. 96+ii. \$2.) Chicago, Illinois: Parkway Press. 1961.

William Dunn School of Pathology, Oxford University) are members of the international editorial board. The journal is published in English and summaries are provided in French and German. The subscription is £6 5s. (\$17.50; Dfl. 66.50) a year, and inquiries should be addressed to the publishers, Elsevier Publishing Company, 110-112 Spuistraat, Amsterdam-C, the Netherlands.

Change of Name

The Society of American Bacteriologists, which was founded in 1899, has changed its name to the American Society for Microbiology.

In Brief

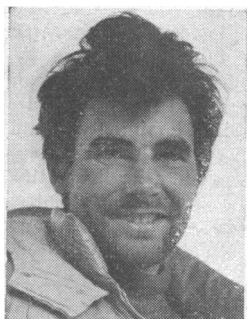
W.H.O. reports that the total number of doctors in Albania has increased from 102 in 1958 to 444 in 1960, and that of paramedical workers from 136 in 1958 to 2,927 in 1960. About 90 doctors a year graduate from the Tirana University Faculty of Medicine.

A special five-year course to train doctors from developing countries is to be started by the Medical School of the Hebrew University in Jerusalem.

A tender figure of £1,955,131 has been accepted for the main stage of the new hospital for West Cumberland at Heasingham, near Whitehaven. Work on this stage, which will provide 350 beds, is expected to start in April and end three and a half years later.

People in the News

Mr. MICHAEL WARD, a London surgeon and a member of the 1953 Everest expedition, is among a group of climbers who have climbed the 22,300-ft. peak of Ama Dablam,



near Everest. In 1959 two climbers from a British expedition were lost in an unsuccessful attempt to scale the mountain, which is considered to be one of the most difficult in the Himalayas. Mr. Ward, who is with a party of scientists undertaking physiological experiments with Sir EDMUND HILLARY's Himalayan expedition, became interested in climbing while at Marlborough. He climbed in the Scottish Highlands, the Lake District, Wales, and in the Alps,

and gained his first experience of Himalayan climbing in the 1951 reconnaissance expedition. He was educated at Marlborough and Cambridge University, and qualified from the London Hospital in 1949, gaining his F.R.C.S. in 1955. He is a Hunterian professor of the Royal College of Surgeons of England. Photograph by courtesy of the Royal Geographical Society and Alpine Club of Great Britain.

LORD COHEN OF BIRKENHEAD has been elected as President of the National Society for Clean Air, for the usual two-year term of office. He succeeds Sir HUGH BEAVER, chairman of the Government committee whose report in 1954 led to the passing of the Clean Air Act.

Professor T. ANDERSON, University of Glasgow, is undertaking a two-month lecture tour of Canada at the invitation of the Canadian Thoracic Society.

Dr. J. BIERER, medical director, Marlborough Day Hospital, will be lecturing at many universities, hospitals, and societies throughout the U.S.A. in April and June.

COMING EVENTS

Anglo-American Medical Society.—Meeting, "The Artificial Kidney and Its Place in Medicine To-day," April 7, R.A.F. Hospital, Ely. Speaker: Group Captain R. C. JACKSON. Buffet and bar from 7.30 p.m.; meeting 8.30 p.m. Admission by ticket only.

Symposium on Sterilization.—Organized by Department of Pharmaceutical Sciences of Pharmaceutical Society of

Great Britain, with Smith and Nephew Research Ltd., April 11-13, Assembly Hall, School of Pharmacy, University of London, Brunswick Square, London W.C.1. Details from Society at 17 Bloomsbury Square, London W.C.1.

Lumleian Lectures.—Dr. L. J. WITTS, "Some Aspects of the Pathology of Anaemia," April 11 and 13. See advertisement p. 42.

Emily Blake Memorial Lecture.—Professor T. N. A. JEFFCOATE, "Pre-malignant Lesions of the Vulva," April 12, 5.30 p.m., Royal Victoria Infirmary, Newcastle upon Tyne.

Family Planning Association.—Training service for medical practitioners. See advertisement p. 42.

British Orthopaedic Association.—Spring meeting, April 13-15, University Union Debating Hall, Oxford Road, Manchester. Subjects include injuries to the neck; bone metabolism; fractures. Details from B.O.A., 47 Lincoln's Inn Fields, London W.C.2.

Nutrition Society (Scottish Group).—Symposium, "The Relative Values of Animal and Vegetable Fats in Nutrition," April 22, 1.30 p.m., Physiology Lecture Theatre, Queen's College, Dundee. Chairman: Professor A. C. FRAZER (department of medical biochemistry and pharmacology, Birmingham University). Details from Dr. J. DAVIDSON, Rowett Research Institute, Bucksburn, Aberdeen.

Lister Oration.—Professor WILDER G. PENFIELD, O.M., "The Brain's Record of Experience," April 27, 4 p.m., Royal College of Surgeons of England, Lincoln's Inn Fields, London W.C.2.

London Association of Royal College of Surgeons in Ireland.—Annual dinner and dance, April 27, Rembrandt Hotel, London S.W.1. Details from Honorary Secretary, 56 Glenister Park Road, London S.W.16.

Naval Medical Compassionate Fund.—A meeting of the subscribers to elect six directors, April 28, 2.30 p.m., Medical Department of Navy, Queen Anne's Mansions, St. James's Park, London S.W.1.

SOCIETIES AND LECTURES

A fee is charged or a ticket is required for attending lectures marked ●. Application should be made first to the institution concerned.

Tuesday, April 4

WEST END HOSPITAL FOR NEUROLOGY AND NEUROSURGERY.—5.30 p.m., Dr. H. C. Grant: Chronic Meningitis.

Wednesday, April 5

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. I. Friedmann, Dr. D. A. Osborn, and Dr. A. L. Jeanes: clinical pathological conference.

Thursday, April 6

NORTH-WESTERN THORACIC SOCIETY.—At Victoria Hospital, Blackpool, 3.30 p.m., clinical meeting.

Friday, April 7

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—(1) 3.30 p.m., clinical discussion for general practitioners. Mr. G. H. Howells: Dysphagia. (2) 5.30 p.m., open lecture and demonstration for trainees in the specialty. Mr. Anthony Radcliffe: Surgery or Radiotherapy for Cancer of the Throat. SOCIETY OF MEDICAL OFFICERS OF HEALTH: SERVICES GROUP.—At Committee Room C, B.M.A. House, Tavistock Square, London W.C., 5.30 p.m., Squadron Leader T. G. Dobie, R.A.F.: Physiological Tests and Training of Future Pilots.

WHIPPS CROSS HOSPITAL MEDICAL SOCIETY.—8.30 p.m., Flight Lieutenant John Billingham: Space Medicine.

BIRTHS, MARRIAGES, AND DEATHS

BIRTHS

Thomas.—On March 17, 1961, at St. David's Hospital, Bangor, to Aisla, wife of Dr. Gareth Hughes-Thomas, of Iet Wen, Morfa Nefyn, Pwllheli, Caerns, a daughter—Alison.

DEATHS

Cresdee.—On March 16, 1961, William Charles Cresdee, M.R.C.S., L.R.C.P.

McCann.—On March 19, 1961, John Joseph McCann, M.B., B.S., of Scarlets, New Wokingham Road, Crowthorne, Berks.

Milne.—On March 14, 1961, William Alexander Milne, M.B., Ch.B., D.P.H., of 7 The Green, St. Leonards-on-Sea, Sussex, aged 82.

Nelson.—On March 10, 1961, John Joseph Harper Nelson, C.I.E., O.B.E., M.C., M.D., F.R.C.S.Ed., Colonel I.M.S., retired.

Rees.—On March 22, 1961, at Cardiff Royal Infirmary, Llewellyn Rees, M.R.C.S., L.R.C.P., of 77 Cyncoed Road, Cardiff, aged 55.

Robertson.—On March 14, 1961, John Douglas Robertson, M.D., F.R.C.P., D.P.H., F.R.S.Ed.