

group of 30 in each sample were also interviewed as a check on validity.

The study was conducted in a careful and thorough way and the conclusions are probably as reliable and valid as any in this difficult field. They are that delinquents experience less open and strong love from both parents, but especially from father, than non-delinquents. They also have less adequate communication with their parents, they experience a more tense home atmosphere, and they receive less adequate parental training. Sound data did not emerge regarding the effects of physical separation, and the main conclusion was that it is the inadequacies of the fathers' roles rather than the mothers' that serve to differentiate delinquents from non-delinquents.

This study has widened the earlier concepts regarding parental roles in the delinquent adolescent. The author also points the way for larger-scale and more rigorous research into the causes of delinquency, a subject of vital importance, about which far too little is known. This work and Bowlby's have emphasized the importance of the roles of the parents, but obviously there are many as yet unappraised factors.

A. W. BEARD.

### STUDENTS' EMBRYOLOGY

*An Introduction to Embryology.* By B. I. Balinsky, Dr. Biol. Sc. (Pp. 562+xiv; illustrated. 54s.) Philadelphia and London: W. B. Saunders Company. 1960.

An introduction to embryology has long been recognized as an essential part of the instruction for students of medicine and biology. It is now becoming more and more appreciated that students of biology should become familiar not only with the "classical descriptive" aspects of embryology but should understand something of its dynamic nature. This has become necessary as a result of the experimental approach to many problems in the subject.

Many textbooks of embryology written primarily for medical students fail to present the experimental approach. It is true that there are many excellent textbooks written for advanced students, but these take so much factual knowledge for granted that students commencing their embryological studies without a previous knowledge of the essential details of descriptive embryology find themselves very much at a loss. The author of this book sets out to present the subject as "a single science in which the descriptive morphological approach and the experimental physiological approach are integrated and both contribute to the understanding of the ontogenetic development of organisms." It can be said that the author has very successfully succeeded in the above aim. He is indeed very modest when he says that his book is only an introduction to embryology. While this may be true of the advanced students it is certainly not so for the general undergraduate student.

The book is subdivided into the following sections: (1) the science of embryology; (2) the egg, its origin and beginning of development; (3) gastrulation and the formation of primary organ rudiments; (4) organogenesis; (5) differentiation and growth; (6) morphogenetic processes in the later part of ontogenesis. The illustrations, most of which have been modified from other sources, are instructive, well executed and labelled.

The author is to be congratulated on producing such an excellent book. The reviewer has no hesitation in commending this book to all students of embryology.

W. J. HAMILTON.

### BOOKS RECEIVED

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

*Talking in French/English.* By Barbara Woodhouse. Translated by Claude Depallier-Williams. (Pp. 105. 5s. 6d.) Rickmansworth, Herts: Published by the author. 1961.

*Clinical Applications of Cardiopulmonary Physiology.* By M. Henry Williams, jun., M.D. (Pp. 233+x; illustrated. \$7.50.) New York: Paul B. Hoeber, Inc. 1960.

*The Lymphocyte and Lymphocytic Tissue.* By 21 Authors. Edited by John W. Rebuck, M.D., Ph.D. (Pp. 312+xi; illustrated. No price.) New York: Paul B. Hoeber, Inc. 1960.

*The Riggs Story. The Development of the Austen Riggs Center for the Study and Treatment of the Neuroses.* By Lawrence S. Kubie, M.D. (Pp. 182+xi. No price.) New York: Paul B. Hoeber, Inc. 1960.

*Staining Methods. Histologic and Histochemical.* By J. F. A. McManus, M.D., and Robert W. Mowry, M.D. (Pp. 423+viii. No price.) New York: Paul B. Hoeber, Inc. 1960.

*The Older Patient.* By 21 Authors. Edited by Wingate M. Johnson, M.D. (Pp. 589+xiv; illustrated. \$14.50.) New York: Paul B. Hoeber, Inc. 1961.

*Neoplasms of Bone and Related Conditions. Etiology, Pathogenesis, Diagnosis, and Treatment.* By Bradley L. Coley, M.D. Second edition. (Pp. 863+xv; illustrated. \$30.) New York: Paul B. Hoeber, Inc.

*Medical History-Taking.* By Ian Stevenson, M.D. (Pp. 273+viii. No price.) New York: Paul B. Hoeber, Inc. 1960.

*The Normal Skull. A Roentgen Study.* By Robert Shapiro, M.D., and Arnold H. Janzen, M.D. (Pp. 257+ix; illustrated. No price.) New York: Paul B. Hoeber, Inc. 1960.

*Le Coude en Pratique Rhumatologique.* By S. de Sèze and M. Maitre. (Pp. 147; illustrated. N.F. 34.) Paris: Masson et Cie. 1960.

*Lehrbuch der Krankengymnastik.* In four volumes. Edited by Professor Dr. K. Lindemann, Dr. H. Teirich-Leube, Dr. W. Heipertz. Volume II: *Anatomie des Menschlichen Körpers.* Revised by M. Kantner, W. Reinbach. (Pp. 398+viii; illustrated. DM. 44.) Stuttgart: Georg Thieme Verlag. 1961.

*Sensory Deprivation. A Symposium held at Harvard Medical School.* Edited by Philip Solomon, M.D., Philip E. Kubzansky, Ph.D., P. Herbert Leiderman, M.D., Jack H. Mendelson, M.D., Richard Trumbull, Ph.D., and Donald Wexler, M.D. (Pp. 262+xviii. 46s.) Cambridge, Mass.: Harvard University Press. 1961.

*New Hope for Your Hair. A Scientific Guide to Healthy Hair for Men, Women and Children.* By Irwin I. Lubowe, M.D. (Pp. 253; illustrated. 21s.) London: Frederick Muller Ltd. 1961.

*Fortschritte der Geburtshilfe und Gynäkologie.* Edited by A. Reist. *Der Geburtsmechanismus im Lichte neuerer Untersuchungen.* By G. Narik. *Die Anwendung der Antibiotica in der Geburtshilfe und Frauenheilkunde.* By E. Walch and H. Rummel. Volume 13. (Pp. 111; illustrated. Sw. Fr. 23.) Basle, New York: S. Karger. 1961.

*Annual Review of Pharmacology.* Editor: Windsor C. Cutting. Volume 1. (Pp. 479+vii; illustrated. \$7 in U.S.A. \$7.50 elsewhere.) Palo Alto, California: Annual Reviews, Inc. 1961.

*Assessment of the Activity of Disease.* By J. S. Lawrence, M.D., M.R.C.P. (Pp. 252+viii; illustrated. £2 2s.) London: H. K. Lewis and Company Ltd. 1961.

*The Medical Directory 1961.* (Two volumes). 117th Annual Issue. Part 1: *General Alphabetical List A-L.* (Pp. 1,414+lxiv.) Part 2: *General Alphabetical List M-Z; Local lists; Universities, Medical Schools, Hospitals and Miscellaneous Information.* (Pp. 1,419-3,115. £5.) London: J. and A. Churchill Ltd. 1961.

*Atlas of Obstetric Technic.* By J. Robert Willson, M.D., M.S. (Pp. 304; illustrated. 93s. 6d.) St. Louis: C. V. Mosby Company. London: Henry Kimpton. 1961.

*Management of Fractures, Dislocations, and Sprains.* By H. Earle Conwell, M.D., F.A.C.S., and Fred C. Reynolds, M.D. Seventh edition. (Pp. 1,153; illustrated. £10 2s. 6d.) St. Louis: C. V. Mosby Company. London: Henry Kimpton. 1961.

*Arthur E. Hertzler: The Kansas Horse-and-Buggy Doctor.* By Edward H. Hashinger. (Pp. 37; illustrated. \$2.) Lawrence, Kansas: University of Kansas Press. 1961.

**British Council for Rehabilitation of Disabled.**—Course and Conference, "Resettlement of the Disabled in a Changing Society," July 18–20, Liverpool University. President: Lord COHEN of BIRKENHEAD. Details from General Secretary, B.C.R.D., Tavistock House South, Tavistock Square, London W.C.1.

**4th International Conference on Medical Electronics.**—New York, July 16–21, sponsored by Joint Executive Committee on Medicine and Biology. Details from Mr. W. E. TOLLES, Airborne Instruments Laboratory, Deer Park, New York, N.Y., U.S.A.

**Donald and Fothergill Commemoration Meeting.**—Under aegis of North of England Obstetrical and Gynaecological Society, July 7, at St. Mary's Hospital, Whitworth Park, Manchester. Symposium: "Utero-vaginal Prolapse." Details from Dr. K. V. BAILEY, St. Mary's Hospital, Whitworth Park, Manchester 13. Gynaecologists wishing to attend should apply as soon as possible.

**8th Congress of European Society of Haematology.**—Vienna, August 28–September 2. Details from Secretariat, 4 Alser Strasse, Vienna 9, Austria.

**7th International Congress of Permanent Section on Biological Standardization of International Association of Microbiological Societies.**—August 28–September 1, Wellcome Building, Euston Road, London N.W.1. Details from Secretary of Congress, Central Veterinary Laboratory, Weybridge, Surrey.

**6th International Congress on Mental Health.**—Paris, August 30–September 5. Details from World Federation for Mental Health, 19 Manchester Street, London W.1.

**1st International Congress of Exfoliative Cytology.**—Vienna, August 31–September 2. Details from Congress Secretariat, 666 Elm Street, Buffalo 3, New York, U.S.A.

## NEW ISSUES OF SPECIALIST JOURNALS

The journals listed below are obtainable from the Publishing Manager, B.M.A. House, Tavistock Square, London, W.C.1.

### BRITISH JOURNAL OF VENEREAL DISEASES

**Editorial.**  
History of the Medical Society for the Study of Venereal Disease. L. W. Harrison. A History of the Scottish Branch. R. Forgan.  
The Light of Many Minds. C. G. A. Thomas.  
Fluorescent Treponemal Antibody Test. A Preliminary Report. A. E. Wilkinson.  
Incidence of Urethral Stricture in the Male After Urethritis. E. M. C. Dunlop.  
Recent Trends in Male Gonorrhoea in Manchester.  
Venereal Diseases in England and Wales. Extract from the Annual Report of the Chief Medical Officer for the year 1959.  
Correspondence.  
Abstracts.

Volume 37, No. 1. (Quarterly; £3 annually.)

### BRITISH JOURNAL OF OPHTHALMOLOGY

Studies on Developing Retinal Vessels. VIII. N. Ashion and R. Blach.  
Displacement of the Orbital Floor and Traumatic Diplopia. T. Keith Lyle.  
Treatment of Non-malignant Corneal Conditions with Radioactive Isotopes. H. Fraser and W. J. Naunton.  
Orbital Reticulum-cell Sarcoma. A. Mortada.  
The Syndrome of Murchesani. R. F. Jones.  
Microcornea and Congenital Coloboma of Iris and Choroid. S. P. Srivastava.  
Review.

Volume 45, No. 5. (Monthly; £6 annually. With *Ophthalmic Literature* and Index, £9.)

## 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, May 23

**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Professor E. I. Grin: Endemic Treponematoses.  
**ST. MARY'S HOSPITAL MEDICAL SCHOOL.**—At Wright-Fleming Institute, 5 p.m., Dr. R. M. Calnan: Puerperal Infection.

### Wednesday, May 24

**BROOK GENERAL HOSPITAL.**—5.45 p.m., clinico-pathological conference.  
**EUGENICS SOCIETY.**—At Royal Society's rooms, 5.30 p.m., Professor C. D. Darlington, F.R.S.: Cousin Marriage.  
**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Dr. R. W. Riddell: Virulence of Pathogenic Fungi.  
**INSTITUTE OF DISEASES OF THE CHEST.**—5 p.m., open lecture by Dr. N. C. Oswald: Fata! Pneumonia.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—2 p.m., Dr. K. McCarthy: Recent Work with Measles Virus.

### Thursday, May 25

**HONYMAN GILLESPIE LECTURES.**—At Anatomy Theatre, University New Buildings, Teviot Place, Edinburgh, 5 p.m., Dr. A. S. Reiman: Acid Balance in Health and Disease.  
**INSTITUT FRANÇAIS DU ROYAUME-UNI.**—6.15 p.m., Dr. A. Tomatis (Paris): Phonation et Audition (in French).  
**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Dr. R. R. M. Harman: Further Benign Conditions Treated by Radiation.  
**LEEDS UNIVERSITY: FACULTY OF MEDICINE.**—At Riley Smith Hall, University Union, 3 p.m., Moynihan Lecture by Sir Harry Platt, Bt.: Moynihan—Education and Training of the Surgeon.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—4 p.m., Dr. J. F. Goodwin: Cardiomyopathy.  
**ROYAL COLLEGE OF SURGEONS OF ENGLAND.**—5 p.m., Imperial Cancer Research Fund invitation lecture by Mr. Denis Burkitt: A Lymphoma Syndrome in African Children.  
**ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.**—5 p.m., Dr. M. Partridge: post-graduate demonstration in psychiatry.

### Friday, May 26

**INSTITUTE OF DISEASES OF THE CHEST.**—5 p.m., clinical demonstration by Dr. N. C. Oswald and Mr. O. S. Tubbs.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—10 a.m., Mr. J. G. Murray: Some Advances in Our Knowledge of Gastric Physiology.

### Saturday, May 27

● **CAMBRIDGE UNIVERSITY POSTGRADUATE MEDICAL SCHOOL.**—At Addenbrooke's Hospital, symposium on tracheostomy and artificial respiration, 10.30 a.m., Dr. P. W. Thompson, Automatic Ventilation of the Lungs; 11.45 a.m., Dr. M. J. Greenberg, Respiratory Insufficiency in Chest Disease; 2.15 p.m., Dr. Keith Sykes, Automatic Ventilation in the Neonate, with Special Reference to Tetanus; 3.15 p.m., Dr. J. J. L. Ablett, Treatment of Severe Tetanus.

## APPOINTMENTS

**BIRMINGHAM REGIONAL HOSPITAL BOARD.**—M. G. Nott, M.B., B.S., Whole-time Senior Casualty Officer, Worcester Royal Infirmary; O. D. Macnamara, M.B., B.Chir., D.T.M.&H., D.M.R.D., Part-time Consultant Radiologist to Birmingham (Mental B) and Mid-Worcestershire Groups; D. D. Felix-Davies, M.D., M.R.C.P., Whole-time Consultant Physician to Birmingham (Selly Oak) Group.  
**HOSPITAL FOR SICK CHILDREN,** Great Ormond Street, London W.C.—E. Tempany, M.B., B.Ch., M.R.C.P.I., D.C.H., Medical Registrar; Z. Kapsalakis, M.D., Resident Registrar to Neurological and Neurosurgical Department; Charmaine M. D'Souza, M.B., B.S., D.C.H., Assistant Resident Medical Officer, Tadworth Court; Margaret M. R. O'Garra, M.B., B.S., D.C.H., House-physician.  
**MANCHESTER REGIONAL HOSPITAL BOARD.**—A. C. C. Davey, M.B., Ch.B., Consultant Venerologist (9 half-days weekly), Salford Group of Hospitals; M. Seigleman, M.R.C.S., L.R.C.P., D.A., Assistant Anaesthetist (9 half-days weekly), Blackburn and District Group of Hospitals; Margaret J. Parbrook, M.B., B.S., D.A., Whole-time Assistant Anaesthetist, North Manchester Group of Hospitals and Booth Hall Children's Hospital.  
**NORTH-WEST METROPOLITAN REGIONAL HOSPITAL BOARD.**—Helen C. Grant, M.D., M.R.C.P., Consultant Neuropathologist, West End Hospital for Neurology and Neurosurgery; J. B. Parton, M.B., B.S., D.O., Assistant Ophthalmologist (S.H.M.O. grade), Ashford Hospital; A. S. Jones, M.B., Ch.B., D.O., Assistant Ophthalmologist (S.H.M.O. grade), Hounslow Hospital; N. L. Mills, M.R.C.S., L.R.C.P., D.M.R.D., Consultant Radiologist, Royal London Homoeopathic Hospital; B. Cashman, M.B., B.S., F.R.C.S., and A. G. Pollen, M.B., B.S., F.R.C.S., Consultant Orthopaedic and Traumatic Surgeons, Bedford General Hospital.

## BIRTHS, MARRIAGES, AND DEATHS

### BIRTHS

**Horton.**—To Drs. Eric and Thalia Horton (by adoption), a brother for Charles—John Anthony.  
**Ostrowski.**—On May 6, 1961, at St. Helen's Hospital, Barnsley, Yorks, to Audrey (formerly Jackson), S.R.N., wife of Dr. T. M. Ostrowski, a son—Adrian Ibert Tadeusz.  
**Prineas.**—On February 8, 1961, at Glenholme Nursing-home, Whitehaven, to Eileen (formerly Crisp), and Dr. John Prineas, a daughter—Claire.

### DEATHS

**Edkins.**—On May 4, 1961, at his home, John Roy Pierpoint Edkins, M.D., D.P.M., of Ingrave, Essex.  
**Granger.**—On May 3, 1961, at his home, Edmund Douglas Granger, M.D., of Denecote, Bourne, Hants.  
**McCully.**—On April 27, 1961, Ian Mundy McCully, M.B., Ch.B., F.F.A., R.C.S., of Old Tan House, Cottingham Bridge, Bingley, Yorks.  
**Mackay.**—On April 27, 1961, at Tigh'n Eilean, Aberfeldy, Perthshire, Norman Douglas Mackay, M.D., D.P.H.  
**Moloney.**—On April 28, 1961, at Central Middlesex Hospital, London N.W., Timothy Moloney, M.B., B.Ch., of Wembley, Middx., formerly of London E.C.  
**Mories.**—On May 1, 1961, at National Hospital, Queen Square, London W.C., Joan Mary Mories (formerly Cannon), M.B., Ch.B., J.P., of Albion House, Faversham, Kent, aged 39.  
**Preston.**—On April 20, 1961, at the Deaconess Hospital, Edinburgh, Jessie Capie Preston (formerly Russell), M.B., Ch.B., of 6 Milton Drive, Joppa, Midlothian.  
**Priestley.**—On May 3, 1961, at 215 Aldwick Road, Bognor Regis, Sussex, Reginald Fawcett Priestley, M.B., B.Chir., D.P.H.  
**Russell.**—On April 20, 1961, at Cicceote, Teignmouth, Devon, John Russell, M.B., Ch.B., D.P.M., late of Digby, Exeter.  
**Ryan.**—On March 30, 1961, Raymond William Ryan, M.B., B.S., Air Commodore, R.A.F., retired, of Whin Cottage, Hatchett Gate, Beaulieu, Hants.  
**Souter.**—On May 3, 1961, in hospital, James Callaghan Souter, M.B., Ch.B., Surgeon Captain, R.N., retired, of Oxhey, Herts.  
**Tremellen.**—On April 14, 1961, Sybil Edith Tremellen, M.R.C.S., L.R.C.P.  
**Willis.**—On April 18, 1961, at Flat 8, Oldway House, Wellington, Som., Edward Rendle Willis, M.R.C.S., L.R.C.P., aged 62.  
**Wilson.**—On April 7, 1961, the result of a road accident, Barry Wilson, M.B., Ch.B., of 167 Buryfield Road, Solihull, Warwick, aged 24.