

are morphologically indistinguishable. The lessons from experimental embryology have tended the same way, and it was established in the early years of this century that the stage of embryonic development is more decisive in teratogenesis than the teratogenic agent employed. For over a generation now intensive investigations have proceeded on the mechanics of development: the neural plate and the optic vesicle are examples of "organizer" tissues which determine development in embryonic tissue in their vicinity. Nuclei from various *anlage* were seen to have morphogenetic properties at particular periods of embryonic development, and this knowledge has led to biochemical studies involving enzyme systems and protein synthesis. Teratogenesis has become channelled into three distinct procedures—artificially induced deficiency (such as vitamin-A deficiency in development), the administration of metabolic inhibitors which

interfere with a necessary enzyme system, and recognition of the hereditary lack of (or fault in) such enzyme systems. And a synthesis is beginning to emerge which embraces knowledge derived from clinical studies, genetic analysis, experimental observations, and biochemical investigations.

All this is reflected in this study by Lopashov and Stroeve. This is very welcome, for though English literature contains excellent volumes of the descriptive embryology of the eye and of congenital defects, and also many individual papers on different aspects of experimental embryology as applied to the eye, there is no overall survey of the new embryology with its emphasis on the experimental approach such as has developed in recent decades. This book suggests that present-day ocular embryology is almost a new discipline. Even the chapter of some 30 pages on descriptive embryology departs from the more usual

formal accounts; it draws extensively on comparative anatomy, especially of those biological forms used in experimental observations. For the rest the text follows a physiological rather than an anatomical course in dealing with normal formation and its aberrations. A fascinating chapter deals with recent work on regeneration of retina and lens, with its tantalizing promise of clinical applications ultimately.

Language difficulties are still a barrier against the dissemination of work in Russian. Though the world is shrinking, language barriers remain formidable. This rendering from Russian sponsored by the Israel programme for scientific translations shows that fortunately countervailing measures are also developing. Such translations are beset by difficulties, and the present effort by Dr. B. Meytar is particularly competent and graceful.

ARNOLD SORSBY.

Books Received

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

Sexual Morality. By Ronald Atkinson, B.A., B.Phil.(Oxon.). (Pp. 191. 30s.; 12s. 6d. paperback.) London: Hutchinson. 1965.

Recent Advances in Gastroenterology. Edited by John Badenoch, D.M., F.R.C.P., and Bryan N. Brooke, M.D., M.Chir., F.R.C.S. (Pp. 381 + viii; illustrated. 65s.) London: J. & A. Churchill. 1965.

Ten Studies into Psychopathic Personality. A Report to the Home Office and the Mental Health Research Fund. By Michael Craft, M.D. (Lond.), F.R.C.P.(Edin.), D.P.M. (Pp. 133. 25s.) Bristol: John Wright. 1965.

Präsenile Osteoporose. Physiologie des Knochenumbaus und Messung des Spongiosadichte. By Dr. Heinz Wagner. Preface by Professor Oskar Hepp. (Pp. 147 + viii; illustrated. DM. 39.) Stuttgart: Georg Thieme. 1965.

Transactions of the American Ophthalmological Society. 100th Annual Meeting, Hot Springs, Virginia, 1964. (Pp. 510 + xviii; illustrated. £7 4s.) Toronto: University Press. London: Oxford University Press. 1965.

Noise, Hearing and Deafness. By Philip H. Beales, M.B., B.Sc.(Lond.), F.R.C.S.(Edin.). (Pp. 199. 42s.) London: Michael Joseph. 1965.

Selected Papers of John Shaw Billings. Compiled by Frank Bradway Rogers. (Pp. 300. \$6.00.) Chicago: Medical Library Association. 1965.

Developmental Anatomy. A Textbook and Laboratory Manual of Embryology. 7th edition. By Leslie Brainerd Arey, Ph.D., Sc.D., LL.D. (Pp. 695 + xi; illustrated. £3 10s.) Philadelphia and London: W. B. Saunders. 1965.

First Aid. Authorised Manual of the St. John Ambulance Association of the Order of St. John, the St. Andrew's Ambulance Association, and the British Red Cross Society. 2nd edition. (Pp. 272; illustrated. 6s.) Available from above Associations. 1965.

The Doctors. By Paul Ferris. (Pp. 227. 35s.) London: Victor Gollancz. 1965.

Memories of Walton Hospital Liverpool. By Henry H. McWilliam. (Pp. 72. 5s.) Liverpool: Henry Young. 1965.

A History of Medicine. By Brian Inglis. (Pp. 196 + xv; 63s.) London: Weidenfeld and Nicolson. 1965.

Diseases of the Ear, Nose and Throat. 2nd edition. Edited by W. G. Scott-Brown, C.V.O., M.D., B.Ch., F.R.C.S., John Ballantyne, F.R.C.S., D.L.O., and John Groves, M.B., B.S., F.R.C.S. (Vol. 1: pp. 792 + xviii. Vol. 2: pp. 838 + xviii; illustrated. £17 15s. per set of 2 volumes.) London: Butterworth. 1965.

Grant's Method of Anatomy. By Region. Descriptive and Deductive. 7th edition. By J. C. Boileau Grant, M.C., M.B., Ch.B., Hon. D.Sc.(Man.), F.R.C.S.(Edin.), and J. V. Basmajian, M.D. (Pp. 777 + xvii; illustrated. £5 8s.) Edinburgh and London: E. & S. Livingstone. 1965.

Lecture Notes on Neurology. By Ivan T. Draper, M.B., Ch.B., M.R.C.P.E. (Pp. 230 + ix; illustrated. 18s. 6d.) Oxford: Blackwell. 1965.

Omăgiu Lui Nicolae Gh. Lupu. Edited by A. Muga. (Pp. 733. No price given.) Bucarest: Academiei Republicii Populare Romane. 1965.

Biomedical Electronics. By Howard M. Yanof, Ph.D. (Pp. 361; illustrated. £5.) Philadelphia: F. A. Davis. Oxford: Blackwell. 1965.

Physiology of Puberty. By B. T. Donovan, Ph.D., and J. J. Van Der Werff Ten Bosch, M.D. (Pp. 216 + vii; illustrated. 42s.) London: Edward Arnold. 1965.

Aus der Werkstatt der Anatomen. Edited by Professor Wolfgang Bargmann. (Pp. 192; illustrated. DM. 19.80.) Stuttgart: Georg Thieme. 1965.

A Primer of Water, Electrolyte and Acid-Base Syndromes. 3rd edition. By Emanuel Goldberger, M.D., F.A.C.P. (Pp. 410. 48s. 6d.) London: Henry Kimpton. 1965.

Comparative Atherosclerosis. Edited by James C. Roberts, Jun., M.D., F.C.A.P., and Reuben Strauss, M.D., F.C.A.P. (Pp. 426 + 110 colour plates. £7 10s.) London: Harper & Row. 1965.

La Questione delle Tonsille per la Difesa del Fanciullo. By Dr. Guido Calderoli. (Pp. 243. L.3.) Bergamo: Dr. Guido Calderoli. 1965.

Therapeutische Empfehlungen zur Behandlung von Augenkrankheiten. By Professor V. Kittel. (Pp. 113. DM. 14.20.) Leipzig: Georg Thieme. 1965.

The Year Book of Cardiovascular and Renal Diseases. 1964-1965 Series. Edited by W. Proctor Harvey, M.D., et al. (Pp. 477; illustrated. 75s.) Chicago: Year Book Medical Publishers. London: Lloyd-Luke. 1965.

The Year Book of Cancer. 1964-1965 Series. Compiled and edited by Randolph Lee Clark, B.S., M.D., M.Sc.(Surg.), D.Sc.(Hon.), and Russell W. Cumley, B.A., M.A., Ph.D. (Pp. 572. £3 8s.) Chicago: Year Book Medical Publishers. London: Lloyd-Luke. 1965.

Office Practice of Otolaryngology. By Abraham R. Hollender, M.Sc., M.D., F.A.C.S. (Pp. 640. £5 8s.) Oxford: Blackwell. Philadelphia: F. A. Davis. 1965.

Documenta Ophthalmologica. Vol. xix. Advances in Ophthalmology. By various editors. (Pp. 388. D. guilders 75.) The Hague: Dr. W. Junk. 1965.

Manual de Farmacosologia. Reacciones Indeseables por Drogas. By Dr. Plutarco Naranjo. (Pp. 300 + xv. No price given.) Quito: Editorial Universitaria. 1965.

Eye Surgery. 4th edition. By H. B. Stallard, M.B.E., T.D., M.A., M.D.(Cantab.), F.R.C.S. (Eng.), Hon.L.L.D.(St. Andrews). (Pp. 951 + xiv; illustrated. £6 6s.) Bristol: John Wright. 1965.

Der Arzt im Betriebs-Gesundheitsschutz. Vol. 1. By Dr. H.-G. Häublein and Professor E. Kersten. (Pp. 398; illustrated. £3 8s. 5d.) Berlin: Volk und Gesundheit. 1965.

Toxicity and Metabolism of Industrial Solvents. By Ethel Browning, M.D. (Pp. 739 + xi. £9 10s.) Amsterdam, London, and New York: Elsevier. 1965.

A Guide to Medical and Surgical Nursing. By Eve R. D. Bendall, S.R.N., R.S.C.N., R.N.T., and Elizabeth Raybould, S.R.N., Pt. I Cert., C.M.B., R.N.T. (Pp. 231 + viii; illustrated. £1 5s. £1 in limp covers.) London: H. K. Lewis. 1965.

Bone Tumors. 3rd edition. By Louis Lichtenstein, M.D. (Pp. 411 + xviii; illustrated. £6 6s.) London: Henry Kimpton. St. Louis: C. V. Mosby. 1965.

Current Surgical Management III. Edited by Edwin H. Ellison, M.D., Stanley R. Friesen, M.D., and John H. Mulholland, M.D. (Pp. 519 + xxiv; illustrated. £4 0s. 6d.) Philadelphia and London: W. B. Saunders. 1965.