

contributions — thirty-eight—and their brevity, the shortest occupying half a page and the longest 28 pages.

Thus we are presented with accounts of work in which a very wide variety of techniques have been employed in elucidating the structure and function of the nucleus. For example, the study of the nucleolus has involved, of course, the electron-microscope, but, in addition, the ultra-violet microwave, which permits the investigator to destroy a single nucleolus in the living cell and study the effect of this on the incorporation of P-32-labelled phosphate or tritiated cytidine into the R.N.A. Or in place of the ultra-violet light he may use a narrow pencil of α rays, and study the effects of nucleolar destruction on synthesis of R.N.A. as measured by ultra-violet absorption. Or in place of either of these methods he may use more classical genetic techniques of breeding from mutants of frogs containing one or no nucleoli in their nuclei and demonstrating the dependence of viability on the presence of at least one nucleolus. The study of the remaining features of the nucleus has likewise entailed the application of many techniques, ranging from the electron-microscopy of chromosomes, through biochemical studies of centrifuged fractions of cell structure, the use of autoradiography in assessing synthetic activity, and the study of the enzymology of isolated nuclei, to the application of various physico-chemical studies of the bonding between nucleic acids and proteins. In reading the individual papers I felt that the authors were imparting something new and not just recapitulating earlier work.

As a general rule I feel that the lucubrations at symposia and congresses should not be published, as this presents the modern librarian with an intolerable burden, both of weight and expense, in loading his shelves with what usually turns out to be redundant literature. There are some exceptions, however, and this is one.

HUGH DAVSON.

BOOKS RECEIVED

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

Biographical Memoirs of Fellows of the Royal Society. Volume 6. (Pp. 295; illustrated. 30s.) London: The Royal Society, Burlington House, W.1. 1960.

The Delayed Effects of Whole-body Radiation: A Symposium. Edited by Bernard B. Watson. (Pp. 80+ix. 36s.) Baltimore: Johns Hopkins Press. 1961.

Referátový Výber z Tuberkulosy a Pneumologie. Edited by MUDr. Erich Jančík. (Pp. 209+iii. No price.) Prague: Ustav pro Zdravotnickou Dокументaci. 1960.

The Dispensatory of the United States of America. 1960 Edition. New Drug Developments Volume. By Arthur Osol, Ph.G., B.S., M.S., Ph.D., and Robertson Pratt, A.B., Ph.D. With Karl H. Beyer, jun., B.S., M.D., Ph.D., G. Victor Rossi, B.S., M.S., Ph.D., George E. Farrar, jun., B.S., M.D., F.A.C.P., and Heber W. Youngken, Ph.M., Ph.D., Sc.D. (Pp. 240+vi. 72s.) Philadelphia, Montreal: J. B. Lippincott Company. London: Pitman Medical Publishing Company Limited. 1961.

Sea Within. The Story of Our Body Fluid. By William D. Snively, jun., M.D. (Pp. 150+x; illustrated. 32s.) Philadelphia and Montreal: J. B. Lippincott Company. London: Pitman Medical Publishing Company Limited. 1961.

Geschichte der Orthopädie. By Professor Dr. Bruno Valentin. (Pp. 288+xiv; illustrated. DM. 39.60.) Stuttgart: Georg Thieme Verlag. 1961.

Nerve Endings in Normal and Pathologic Skin. Contributions to the Anatomy of Sensation. By R. K. Winkelmann, M.D., Ph.D. (Pp. 195+viii; illustrated. 60s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

An Introduction to Social Psychiatry. By Alexander H. Leighton, M.D. (Pp. 110+x. 38s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

The Chemistry of Thyroid Diseases. By Rosalind Pitt-Rivers, M.Sc., Ph.D. London, F.R.S., and Jamshed R. Tata, M.Sc. (Pp. 83 + xii. 36s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

Rehabilitation of Hand Function. By A. N. Leont'ev and A. V. Zaporozhets. Translated from the Russian by Basic Haigh, M.A., M.B., B.Chir. Edited by W. Ritchie Russell, C.B.E., M.D., D.Sc., F.R.C.P. (Pp. 199+xiii; illustrated. 60s.) Oxford, London, New York, Paris: Pergamon Press. 1960.

Reluctant Rebels. Re-education and Group Process in a Residential Community. By Howard Jones. (Pp. 234+vi. 30s.) London: Tavistock Publications. 1960.

Radiation Therapy of Early Prostatic Cancer. By R. H. Flocks, M.D., and D. A. Culp, M.D. (Pp. 73+ix; illustrated. 36s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

Hypothermia for the Neurosurgical Patient. By Antonio Boba, M.D. (Pp. 124+vii; illustrated. 48s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

Dietary Proteins in Health and Disease. By James B. Allison, Ph.D., and William H. Fitzpatrick, Ph.D. (Pp. 86+viii. 36s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

Cerebrospinal Fluid Dynamics in Health and Disease. By David Bowsher, M.A., M.D. With I. Newton Kugelmass, M.D., Ph.D., Sc.D. (Pp. 80+xi; illustrated. 38s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

The Surgeon's Glove. By Justine Randers-Pehrson, M.A. (Pp. 95+xi; illustrated. 36s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications Ltd. 1960.

The Protection of the Nurse against Tuberculosis. By F. A. H. Simmonds, M.A., M.D., D.P.H. (Pp. 95; illustrated. 12s. 6d.) London: Chest and Heart Association. 1960.

The Rickettsial Diseases. By P. F. Zdrodovskii and H. M. Golinevich. Translated from the Russian by B. Haigh, M.A., M.B., B.Chir. (Pp. 629+xii; illustrated. £5 5s.) Oxford, London, New York, Paris: Pergamon Press. 1960.

Flow Properties of Blood and Other Biological Systems. Proceedings of an informal discussion convened jointly by the Faraday Society (Colloid and Biophysics Committee) and the British Society of Rheology. Held at the University Laboratory of Physiology, Oxford, September 23 and 24, 1959. Edited by A. L. Copley and G. Stainsby. With a Foreword by G. W. Scott Blair. (Pp. 446+xviii; illustrated. 75s.) Oxford, London, New York, Paris: Pergamon Press (Symposium Publications Division). 1960.

An MMPI Handbook. A Guide to Use in Clinical Practice and Research. By W. Grant Dahlstrom and George Schlager Welsh. (Pp. 559+xviii. 70s.) Minneapolis: The University of Minnesota Press. 1961.

Clinical Neurology. By Sir Russell Brain, Bt., D.M., F.R.C.P. (Lond.). (Pp. 399+viii; illustrated. 38s.) London, New York, Toronto: Oxford University Press. 1960.

Decision Making in Hospital Administration and Medical Care. A Casebook. By James A. Hamilton. (Pp. 710+viii. 84s.) Minneapolis: University of Minnesota Press. London: Oxford University Press. 1961.

Diabetes. With a Chapter on Hypoglycemia. By 54 Authors. Edited by Robert H. Williams, M.D. (Pp. 793+xvi; illustrated. \$20.) New York: Paul B. Hoeber, Inc. 1960.

New Approaches in Cell Biology. Proceedings of a Symposium held at Imperial College, London, July, 1958. Edited by P. M. B. Walker. (Pp. 205+viii; illustrated. 42s.) London and New York: Academic Press. 1960.

An Approach to Old Age and Its Problems. By Margaret Neville Hill, C.B.E. (Pp. 133+xix; illustrated. 15s.) Edinburgh and London: Oliver and Boyd. 1961.

Medizinische Karikaturen von 1800 bis zur Gegenwart. Compiled and introduced by Helmut Vogt. (Pp. 184; illustrated. No price.) Munich: J. F. Lehmann Verlag. 1961.

The L.S.D. of Marriage. (Pp. 68. 2s. 6d.) London: National Marriage Guidance Council, 58 Queen Anne Street. 1961.

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

Venereal Disease and the Public Health. G. L. M. McElligott.
 Age Group of Patients with Infectious Venereal Disease, 1957 and 1958
 British Co-operative Clinical Group.
 Country of Origin of Patients Attending Venereal Disease Clinics: A Study of 138,626 Cases. British Co-operative Clinical Group.
 Transportation of Material for the Culture of the Gonococcus. A. Reyn, B. Korner, and M. W. Bentzon.
 Results of Penicillin Therapy in Syphilitic Primary Optic Atrophy. P. Segal, B. Janiszewska-Geldner, and J. Leonowicz-Michniowska.
 Tabetic Spinal Arthropathy: Two Cases with Motor Symptoms Due to Root Compression. C. D. Alergant.
 Unusual Subjective Reaction Following Dihydrostreptomycin: Report of Seven Cases. J. Oliver Doyle.
 Bilharzial Cystitis. A. I. Morrison.
 Bilharzial in a Patient with Gonorrhoea. R. M. Warren.
 Book Reviews.
 Abstracts.
 Index.

Volume 36, No. 4. (Quarterly; £3 annually.)

MEDICAL AND BIOLOGICAL ILLUSTRATION

Frontispiece.
 Gargoylism. Derek Martin.
 A Nomogram for Colour Light Balancing Filters. C. S. McCamy.
 Further Advances in Fluorescence Colour Photography. W. D. Tredinnick.
 Some Uses of Thorotrast. G. E. H. Foxon.
 The Use of Ultrasound in Diagnosis. Marjorie J. Hill and Ian McColl.
 Practical Techniques in Rapid Sound Film Production. Herbert A. Fischler.
 Avdi Partem Alteram.
 Equipment and Methods:
 Baldwin Photometer Type M.N.D.
 Polaroid Land 4×5 Film Holder.
 A Simple Method of Recording Ouchterlony Plates. I.C.R.F. Cinematoscope MK 2.
 Fluorescent Blackboard Chalk.
 Measuring Magnifier.
 All Purpose Head and Chin Rest.
 Abstracts.
 Book Reviews.
 Motion Pictures.
 Reports and Proceedings.

Volume 11, No. 1. (Quarterly; £3 annually.)

BRITISH JOURNAL OF OPHTHALMOLOGY

Reaction of Animal Eyes to Sanguinarine and Argemone Oil. G. C. Dobbie and M. E. Langham.
 Experimental Hemeralopia Uncomplicated by Xerophthalmia in Macacus rhesus. F. C. Rodger, A. D. Grover, and A. Fazal.
 Uveitis and Urogenital Disease in the Male. R. D. Catterall and E. S. Perkins.
 End-to-side Anastomosis for Obstruction of the Naso-lacrimal Duct. R. A. Burn.
 Glaucoma Treated with Daranide. M. H. Luntz.
 Pathology and Treatment of Non-cicatricial Entropion by the Method Proposed by Wies. O. O. F. Fooks.
 Cataract Extraction by Expression. L. Lurie.
 Dacryocystorhinostomy. R. P. Sarda, O. P. Kulshrestha, R. N. Mathur.
 Pseudo-glioma Due to Larval Choroidal-retinal Granulomatosis. W. Harris.
 Delayed Local Metastasis in a Choroidal Melanoma. R. J. McWilliam.
 Intra-ocular Cysticerus. L. Meyerson and B. T. Pienaar.
 Bilateral Intra-ocular Cysticerci. E. Balakrishnan.
 New Use for Old Mirrors. A. I. Friedmann.
 Reviews.
 Notes.

Volume 45, No. 2. (Monthly; £6.)

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.

Monday, February 27

MANCHESTER MEDICAL SOCIETY: SECTION OF ODONTOLOGY.—At Manchester Dental Hospital (Lecture Room), 5 p.m., Mr. G. Colman: Some Antiseptics Used in Oral Surgery.
 MANCHESTER MEDICAL SOCIETY: SECTION OF GENERAL PRACTICE.—At Manchester Medical School (Large Anatomy Theatre), 9 p.m., Mr. G. D. Jack: Cough.
 POSTGRADUATE MEDICAL SCHOOL OF LONDON.—4 p.m., Professor J. G. W. Hill: Some Problems in the Management of Resistant Heart Failure.

Tuesday, February 28

BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. A. G. Spencer: Hypertension and Unilateral Renal Disease—the Selection of Patients for Surgery.
 INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. J. A. Dudgeon: Virus Infections I.
 ROYAL COLLEGE OF SURGEONS OF ENGLAND.—4.15 p.m., Arnott Demonstration by Dr. R. McP. Livingston: Conjoint Twins.
 ROYAL STATISTICAL SOCIETY: MEDICAL SECTION.—At London School of Hygiene and Tropical Medicine (Manson Theatre), 5.30 p.m., Dr. Roy M. Acheson: Problems in the Measurement of the Maturity of the Growing Skeleton.
 ST. MARY'S HOSPITAL MEDICAL SCHOOL.—At Lecture Theatre, Wright Fleming Institute, 5 p.m., Dr. Michael Feivel: Pruritus Vulvae.
 WEST END HOSPITAL FOR NEUROLOGY AND NEUROSURGERY.—5.30 p.m., Dr. G. Parsons-Smith: clinical demonstration in neurology.

Wednesday, March 1

BIRMINGHAM MEDICAL INSTITUTE: MIDLAND MEDICAL SOCIETY SECTION.—At 36 Harborne Road, Edgbaston, 8.30 p.m., Mr. W. J. Dempster: Anuria Following the Transplantation of Kidneys.
 INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. H. Haber: Cytodiagnosis.
 INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Mr. L. L. Bromley: Pulmonary Embolism.
 INSTITUTE OF LARYNGOLOGY AND OTOLOGY.—5.30 p.m., Dr. I. Friedmann, Dr. D. A. Osborn and Dr. A. L. Jeanes: clinical pathological conference.
 INSTITUTE OF UROLOGY.—4.30 for 5 p.m., Dr. A. R. Harrison: Metabolism and Stones.
 LIVERPOOL MEDICAL INSTITUTION.—Visit to Manchester Medical Society.
 MANCHESTER MEDICAL SOCIETY.—At Manchester Medical School, 4.30 p.m., joint meeting with Liverpool Medical Institution. Dr. A. J. Robertson: Pneumoconiosis Due to Tin Oxide. Dr. F. P. Hudson: The Dumb Blonde is My Baby; Being the Story of Phenylketonuria in Liverpool.
 POSTGRADUATE MEDICAL SCHOOL OF LONDON.—2 p.m., Professor R. A. Willis: Examination of the Supposed Increase of Bronchial Carcinoma and of the Validity of its Histological Typing.

Thursday, March 2

BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. J. D. N. Nabarro: Oral Hypoglycaemia Agents.
 ROYAL COLLEGE OF SURGEONS OF ENGLAND and INSTITUTE OF LARYNGOLOGY AND OTOLOGY.—At Royal College of Surgeons of England, 5.30 p.m., Otolaryngology Lecture by Professor L. P. Garrod: Principles of Antibiotic Therapy in Surgery.
 ST. ANDREWS UNIVERSITY.—At Physiology Department Lecture Theatre, 5 p.m., Mr. John Charnley: Lubrication of Animal Joints in Relation to Orthopaedic Surgery.
 ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.—5 p.m., Dr. Maurice Partridge: postgraduate demonstration in psychiatry.
 UNIVERSITY COLLEGE LONDON: DEPARTMENT OF BIOCHEMISTRY.—At Physiology Theatre, Gower Street, W.C., 5 p.m., public lecture by Dr. W. J. Whelan: Recent Advances in the Chemistry and Biochemistry of Glycogen and Starch—(2) Enzymic Degradation and Glycogen-storage Diseases.

Friday, March 3

CAMBRIDGE UNIVERSITY: SCHOOL OF CLINICAL RESEARCH AND POSTGRADUATE MEDICAL TEACHING.—At Radiotherapeutic Centre, 4.15 for 4.30 p.m., Dr. J. M. Walshe: Radio Copper Studies in Wilson's Disease.
 INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. F. R. Bettley: clinical demonstration.
 INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. R. V. Gibson: cardiovascular demonstration.
 MEDICAL ELECTRONICS DISCUSSION GROUP.—At Institution of Electrical Engineers, Savoy Place, London W.C., 5.30 for 6 p.m., discussion to be opened by Mr. H. B. Morton and Mr. H. R. A. Townsend: "Clinical Value of E.E.G. Recording" and "Present Trends in General Purpose E.E.G. Recorders."
 METROPOLITAN EAR, NOSE, AND THROAT HOSPITAL.—At Royal Society of Medicine, 5 p.m., James Yearsley Memorial Lecture (speaker, Mr. J. D. K. Dawes, on behalf of Dr. Louis Verhoeven): Examination of a Chronic Ear.
 PLYMOUTH MEDICAL SOCIETY.—At North Friary House, 8.30 p.m., short papers by Dr. G. B. Carter, Dr. T. L. Chester-Williams, Mr. I. Sutherland-Jones, and Dr. B. J. Peck.
 POSTGRADUATE MEDICAL SCHOOL OF LONDON.—(1) 10 a.m., Mr. B. H. Page: Prostatic Surgery. (2) 4 p.m., Dr. F. S. Cooksey: Management of Disability.

Saturday, March 4

BRITISH TISSUE CULTURE ASSOCIATION.—At Auditorium, Wellcome Building, Euston Road, London N.W., 9.30 a.m., symposium: Cell-specific Proteins.
 CAMBRIDGE UNIVERSITY MEDICAL SCHOOL.—At Norfolk and Norwich Hospital, symposium: Medical Aspects of Life Insurance and Hypertension. 11 a.m., Medical Aspects of Life Insurance. To be opened by Dr. K. A. Latter and Mr. Russell Mallett, F.I.A. 2.30 p.m., Modern Management of Hypertension. To be opened by Dr. W. A. Oliver, Dr. R. S. Thorpe, and Mr. A. B. Birt.
 MIDLAND THORACIC SOCIETY.—At Birmingham Medical Institute, 36 Harborne Road, Edgbaston, 3 p.m., Dr. A. John Robertson: Investigation of Stannosis.
 SHEFFIELD REGIONAL PSYCHIATRIC ASSOCIATION.—At Mapperley Hospital, Nottingham, 11 a.m., Professor G. M. Carstairs: Epidemiology of Mental Disorders—Its Scope and its Methods.

BIRTHS, MARRIAGES, AND DEATHS

BIRTHS

Chamberlain.—On February 10, 1961, at Queen Charlotte's Hospital, London W., to Jocelyn (formerly Kerley) and Geoffrey Chamberlain, F.R.C.S., a sister for Christopher and Marie—Hilary Rosalind.
 Jacoby.—On December 22, 1960, in New York City, U.S.A., to Thelma, wife of Dr. M. G. Jacoby, a sister for David—Wendy Ellen.
 Weston.—On February 10, 1961, at University College Hospital, Jamaica, to Ann (formerly Daniels) and Peter Weston, F.R.C.S., a sister for Theo and Cecilia.

DEATHS

Burkitt.—On February 1, 1961, Frederick Thomas Burkitt, M.D., D.M.R.E., of Wimbledon, London S.W., aged 69.
 Butler.—On February 6, 1961, at Taunton, Som., Malcolm Boyce Butler, M.B., B.S., aged 28.
 Carter.—On February 5, 1961, at 49 Bainbridge Road, Sedbergh, Yorks, Arthur Hunton Carter, M.D., aged 87.
 Chalmers.—On February 6, 1961, at Duke of York Home, Bradford, William Chalmers, M.B., Ch.B.
 Harrison.—On January 31, 1961, at Hollins House, Winwick, Warrington, Lancs, Geoffrey John Harrison, L.R.C.P.&S.I. & L.M., D.P.M.
 Macphail.—On January 31, 1961, at Holm House, Carloway, Isle of Lewis, Norman Macphail, M.B., Ch.B., late of 24 Holme Lane, Sheffield, Yorks.
 Scott.—On January 31, 1961, Alexander Scott, M.B., Ch.B., of Belmont, Jedburgh, Roxburghshire.
 Sellars.—On January 30, 1961, at his home, 133 Preston New Road, Blackburn, Lancs, John Aloysius Sellars, M.B., B.Ch.
 Sharpley.—On January 16, 1961, at his home, 8 Merton Court, Merton Road, Southsea, Hants, Thomas Stoney Sharpley, M.R.C.S., L.R.C.P., aged 78.
 Steele.—On January 28, 1961, Patrick Steele, M.D., F.R.C.P.Ed.