

book fills a need. It is unfortunate that so many facts in the text and in the diagrams are so inaccurate.

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## All about Hormones

**Hormones in Blood.** Vols. 1 and 2, 2nd edition. Edited by C. H. Gray and A. L. Bacharach. (Vol. 1, pp. 577+xvii; illustrated. 130s.) (Vol. 2, pp. 686+xvii; illustrated. 150s.) London and New York: Academic Press. 1967.

This second edition of a well known and successful book has had to be expanded into two large volumes. In the seven years which have elapsed since the first edition new hormones have been revealed, and many new and fundamental techniques developed. Accordingly, new chapters have been introduced dealing with gel filtration, immunoassay, spectrometry, and both thin layer and gas chromatography—though none deals with competitive protein binding. New chapters have also been added to discuss glucagon, placental lactogen, aldosterone, renin and angiotensin, parathormone, calcitonin, and the hypothalamic releasing factors.

The authors have been drawn from Europe, America, and Australia, and have been chosen for their objective and critical outlook.

The sections on methodology give comprehensive but concise reviews of the principles, problems, and technical modifications available. They will be specially valuable to those about to attempt assay methods with which they are unfamiliar. Very valuable general guidance is given, but inevitably practical details have had to be curtailed or omitted. For these resort to the original literature will be needed, and generous guidance to the relevant sources is given. The information is up to date, even the immunoassay of thyrocalcitonin being included. The chapters on the hormones themselves follow a general pattern. In each our present knowledge of the chemical composition, main physical properties, main paths of biosynthesis, concentrations in plasma and in other fluids and in tissue sites, and alterations with sex, age, and disease are all reviewed. In addition the available methods of determination in blood by chemical, physicochemical, and biological methods are all indicated and backed by well-selected references.

An enormous amount of information is collected in these volumes, and they will be

found a valuable source of reference. Since the chapters have nearly all been written by experts who have themselves carried out the analyses they discuss, they are able to include much practical experience. For example, good critical assessment of the validity of radioimmunoassay of growth hormone is made, and the significance of discrepancies between this method and the results of bioassay is clearly discussed. There is increasing recognition that blood levels are in fact a resultant of gland activity on the one hand and destruction rate on the other. Since the first edition appeared great progress has been made in hormone dynamics, and much of this is incorporated in the new edition. The great growth in our knowledge of the production rates of the steroid hormones has been reviewed, and this includes the indirect estimation of plasma concentrations of aldosterone from simultaneous measurement of the secretion rate and the metabolic clearance rate.

A uniformly high standard and concise style has been maintained throughout, despite the multiple authorship. Strong editorial influence has made a major contribution to the production of this important work, which will take its place as the standard reference book on its subject.

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## Books Received

*Books noticed here may be reviewed later.*

**Anatomy of the Newborn.** An Atlas. By Edmund S. Crelin, B.A., Ph.D. (Pp. 256+xiii; illustrated. 216s.) Philadelphia: Lea & Febiger. 1969. London: Henry Kimpton.

**Applications of Mental Health Statistics.** Uses in Mental Health Programmes of Statistics Derived from Psychiatric Services and Selected Vital and Morbidity Records. By Morton Kramer. (Pp. 112. 18s.) Geneva: W.H.O. 1969.

**Fertility and Family Planning.** A World View. Edited by S. J. Behrman, M.D., Leslie Corsa, jun., M.D., and Ronald Freedman. (Pp. 503 +viii. \$12.50.) Ann Arbor: University of Michigan Press. 1969.

**Medical Treatment.** A Textbook of Therapy in 4 Volumes. Vol. 2: Diseases of the Blood and Reticuloendothelial System; Diseases of the Liver and Alimentary Tract; Tropical, Parasitic, Venereal, and Skin Diseases. Edited by Kenneth Maclean, M.D., F.R.C.P., and George Scott, M.D., F.R.C.P. (Pp. 255+vii. 40s.) London: J. & A. Churchill. 1969.

**Smoking, Health, and Behavior.** Edited by Edgar F. Borgatta and Robert R. Evans. (Pp. 288+xii. \$10.75.) Chicago: Aldine Publishing. 1969.

**Euthanasia and the Right to Death.** The Case for Voluntary Euthanasia. Edited by A. B. Downing. (Pp. 206. 40s.) London: Peter Owen. 1969.

**Nucleic Acid Metabolism Cell Differentiation and Cancer Growth.** Proceedings of the Second International Symposium for Cellular Chemistry at Ohtsu, 17-21 October 1966. Edited by E. V. Cowdry and S. Seno. (Pp. 483+xviii; illustrated. 160s.) Oxford: Pergamon Press. 1969.

**Changing Patterns.** An Atypical Autobiography. By Sir Macfarlane Burnet, O.M., M.D. (Pp. 282. 63s.) London: William Heinemann. 1969.

**Clinical Toxicology.** By C. J. Polson, M.D., F.R.C.P., and R. N. Tattersall, O.B.E., F.R.C.P. (Pp. 655+x. 105s.) London: Pitman. 1969.

**The Psychoanalytic Study of the Child.** Vol. 23. Edited by Anna Freud, LL.D., D.Sc., and others. (Pp. 479+xxii. 100s.) London: Hogarth Press. 1969.

**Experimental Viral Hepatitis.** By Marcello Piazza, M.D. (Pp. 274+xi; illustrated. \$22.50.) Springfield, Illinois: Charles C. Thomas. 1969.

**Education of Exceptional Children and Youth.** 2nd edition. Edited by William M. Cruickshank and G. Orville Johnson. (Pp. 730+xvii. 90s.) London: Staples Press. 1969.

**Microscopic Innervation of the Heart and Blood Vessels in Vertebrates Including Man.** By A. Abraham. (Pp. 433+xiii; illustrated. 160s.) Oxford: Pergamon Press. 1969.

**Cellular Immunology.** Books One & Two. By Sir Macfarlane Burnet, O.M., F.R.S. (Pp. 726+ix; illustrated. 110s.) London: Cambridge University Press. 1969.

**Prenatal Determinants of Behaviour.** International Series of Monographs in Experimental Psychology. Vol. 7. By J. M. Joffe. (Pp. 366+xii; illustrated. 100s.) Oxford: Pergamon Press. 1969.

**Clinical Laboratory Diagnosis.** 7th edition. By S. A. Levinson, M.D., and R. P. MacFate, Ph.D. (Pp. 1323+xx; illustrated. 256s.) Philadelphia: Lea & Febiger. 1969. London: Henry Kimpton.

**Analytical Serology of Microorganisms.** Edited by J. B. G. Kwapinski, M.D., Ph.D. (Pp. 681+x. 235s.) Chichester, Sussex: John Wiley. 1969.

**Food Pharmacology.** By N. Sapeika, M.D. (Pp. 183+xiii; illustrated. \$9.50.) Springfield, Illinois: Charles C. Thomas. 1969.

**Physiopathology and Therapy of Human Blood Diseases.** By E. Kelemen, M.D., D.Sc.(Budapest). (Pp. 717+xvii; illustrated. 210s.) Oxford: Pergamon Press. 1969.

**Evolution and Human Behavior.** By Alexander Alland. (Pp. 243+xi; illustrated. 36s. Paperback 18s.) London: Tavistock Publications. 1969.

**The Mechanisms of Perception.** By Jean Piaget. (Pp. 384+xxix; illustrated. 80s.) London: Routledge & Kegan Paul. 1969.

**Child Psychology.** 6th edition. By Arthur T. Jersild. (Pp. 610+xii. 70s.) London: Staples Press. 1969.

**Renin and Hypertension.** By Michael Radcliffe Lee, M.R.C.P. (Pp. 224+viii; illustrated. 45s.) London: Lloyd-Luke. 1969.

**Antibiotics in Clinical Practice.** By Hillas Smith, M.R.C.P. (Pp. 346+ix. 30s.) London: Pitman. 1969.

**Diagnosis and Management of Pain Syndromes.** 2nd edition. By Bernard E. Finneson, M.D., F.A.C.S. (Pp. 337+x; illustrated. 106s.) London: W. B. Saunders. 1969.

**Collateral Circulation in Clinical Surgery.** Edited by D. E. Strandness, jun., M.D. (Pp. 633+xiv; illustrated. 157s.) London: W. B. Saunders. 1969.

**An Introduction to Virology.** By Clyde R. Goodheart. (Pp. 432+vii; illustrated. 85s.) London: W. B. Saunders. 1969.

**Industrial Dermatoses and the Industrial Injuries Act.** By John T. Ingram, F.R.C.P. (Pp. 42+v. 13s.) London: J. & A. Churchill. 1969.

**Recent Advances in Surgery.** 7th edition. Edited by Selwyn Taylor, F.R.C.S. (Pp. 659+xi; illustrated. 90s.) London: J. & A. Churchill. 1969.