

ledge unless the facts are sharply definable, stable, and consistent from case to case. Bone by its very character causes real technical difficulty in providing the microscopist with facts of the necessary precision. That advances are being made is shown by the illustrations in this book with their fine quality and convincingness. This is not a microscopist's book only; pathology is here the study of disease. The histopathological changes, gross and microscopic, are recognized as but instants in the course of processes; based on these facts and using modern chemical knowledge with proper scepticism, the author had sought out chains of causation with meticulous pertinacity and satisfying logic. Equally of note in these days is the steady distinguishing of hypothesis from fact, and for this reason itself the book is highly commended to the young doctor. For the older reader there is an unobtrusive recall of established facts and a gracious introduction to important new knowledge.

It is a real loss that the notes made by Collins on the neoplasms and dysplasias had not reached a final script, and so were omitted from this volume. But even as it stands this is a book that fills a need and does it well, not only for surgeons and pathologists but also for physicians, be they paediatric, geriatric,

or just middle-of-the-road, and chemists, be they clinical or just biological. Here we have tough stuff critically separated, confused darkness illuminated, and the whole made pleasurably readable.

A. C. LENDRUM.

## Studies on Salmonella

**The Bacteriology of Enterobacteriaceae.** Collected Studies of the Author and his Co-Workers. By F. Kauffmann, M.D. (Pp. 400. 84 Dan.kr.) Copenhagen: Munksgaard. 1966.

Professor Kauffmann is accepted throughout the world as an authority on the classification and serological identification of members of the *Salmonella* and *Escherichia coli* groups. He has also a considerable knowledge and experience of other groups (genera) in the family. He states in the preface, "This book contains the collected studies of the author and his co-workers," which explains the unbalanced nature of the information on one genus as compared with another to the virtual exclusion of some, also the reference list, of which 20 pages are devoted to Kauffmann and his colleagues and two to other workers.

The list even omits the name of Bruce White, who published the fundamental work on which much of Kauffmann's later findings were based.

The first chapter is devoted to the author's views on definition, classification, and nomenclature, views which have not been accepted on an international basis and which the reviewer found almost incomprehensible when applied to the family as a whole. The most important chapter is that dealing with *Salmonella*, to which subject the author has made many fundamental additions. The interpretation of serological results denoting somatic and flagella variation of a degenerative nature are brought up to date. The modern classification of citrobacter has been used, but the author's views on the classification of *Proteus* is not generally accepted.

In spite of the lack of balance this book is essential for a laboratory interested in the classification of Enterobacteriaceae but should be used in conjunction with the previous book by the same author, *Enterobacteriaceae*. It is a pity that a chapter reviewing modern knowledge on the chemical nature of the antigens of enterobacteria was not included, as the author has made notable contributions in this field.

JOAN TAYLOR.

## Books Received

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

**Gas Chromatography in the Analysis of Steroid Hormones.** By Herbert H. Wotiz and Stanley J. Clark. (Pp. 288+xvi; illustrated. \$12.50.) New York: Plenum. 1966.

**Neurological Examination of Children.** By Richmond S. Paine and Thomas E. Oppé. (Pp. 279; illustrated. 45s.) London: William Heinemann. 1966.

**Clinical Orthopaedics and Related Research.** No. 43. Edited by Anthony F. DePalma. (Pp. 327+viii; illustrated. £3.) London: Pitman. 1966.

**Sexual Life After Sixty.** By Isadore Rubin. (Pp. 274+xiv. 30s.) London: George Allen & Unwin. 1966.

**Family Planning.** A Handbook for the Doctor. Edited by Mary Pollock, M.B., Ch.B., M.R.C.O.G. (Pp. 190+x; illustrated. 30s.) London: Baillière, Tindall & Cassell. 1966.

**Symposium über die Zerebrospinalflüssigkeit.** Edited by Prof. Johannes Sayk. (Pp. 293+xi; illustrated. £4 18s. 11d.) Jena: Gustav Fischer. 1966.

**Personal Dosimetry for Radiation Accidents.** Symposium, Vienna, 1965. (Pp. 714; illustrated. 84s.) Vienna: International Atomic Energy Agency. London: H.M. Stationery Office. 1966.

**Atlas of Medical Helminthology and Protozoology.** By H. C. Jeffrey, M.B., Ch.B., M.R.C.P.E., M.D.Path., D.T.M.&H., and R. M. Leach, B.E.M. (121 annotated plates. 75s.) Edinburgh and London: E. & S. Livingstone. 1966.

**Principles of Hematology.** By James W. Linman, M.D., F.A.C.P. (Pp. 621+xii; illustrated. 84s.) London: Collier-Macmillan. 1966.

**The Army Medical Services.** Campaigns. Vol. 5. Burma. By F. A. E. Crew, F.R.S. (Pp. 754+xvi; illustrated. £7 10s.) London: H.M.S.O. 1966.

**Analysis of Normal and Abnormal Cell Growth.** Model-System Formulations and Analog Computer Studies. By Ferdinand Heinmets. (Pp. 288+xiii; illustrated. \$12.50.) New York: Plenum. 1966.

**Praktische Operationskunde und Instrumentenlehre.** By Harro Seyfarth and Elly Jaeger. (Pp. 492; illustrated. £3 2s. 7d.) Jena: Gustav Fischer. 1966.

**Teaching the Biological and Medical Aspects of Reproduction to Medical Students.** Report of a Macy Conference, New York. (Pp. 151+xiii. 44s.) New York and London: Harper & Row. 1966.

**Tonometry.** Physical Fundamentals, Development of Methods and Clinical Application. By Jörg Draeger. (Pp. 140; illustrated. S.Fr. 44.) Basel and New York: S. Karger. 1966.

**D-Glucose.** Und Verwandte Verbindungen in Medizin und Biologie. Edited by H. Bartelheimer, W. Heyde, and W. Thorn. (Pp. 1,126+xv; illustrated. DM. 228.) Stuttgart: Ferdinand Enke. 1966.

**Your Child is a Person.** A Psychological Approach to Parenthood Without Guilt. By Stella Chess, M.D., Alexander Thomas, M.D., and Herbert G. Birch, M.D., Ph.D. (Pp. 213+ix. 21s.) London: Peter Davies. 1966.

**Basophilic Leukocytes in Delayed Hypersensitivity.** Experimental Studies in Man Using the Skin Window Technique. By Per Wolf-Jürgensen. (Pp. 123; illustrated. Dan.kr. 45.) Copenhagen: Munksgaard. 1966.

**Schizophrenia and Social Care.** By G. W. Brown, Ph.D., Margaret Bone, B.Sc., Bridget Dalison, B.A., and J. K. Wing, M.D., Ph.D., D.P.M. (Pp. 232+viii. 63s.) London: Oxford University Press. 1966.

**Health, Happiness and Survival.** By John Anthony Parr and Robert A. Young. (Pp. 248+vii. 25s.) London: Heinemann. 1966.

**Antivitamins.** Symposium, Zurich and Feldbach, 1964. Edited by J. C. Somogyi. (Pp. 241; illustrated. S.Fr./DM. 69.) Basel and New York: S. Karger. 1966.

**Social Welfare in Transition.** Selected English Documents, 1834-1909. Edited by Roy Lubove. (Pp. 324+xiii. \$8.00.) Pittsburgh: University of Pittsburgh Press. 1966.

**Aspects of Comparative Ophthalmology.** Symposium, British Small Animal Veterinary Association, London, 1965. Edited by Oliver Graham-Jones. (Pp. 341+xv; illustrated. 84s.) Oxford: Pergamon. 1966.

**Thinking Without Language.** Psychological Implications of Deafness. By Hans G. Furth. (Pp. 236+xvi. 55s.) London: Collier-Macmillan. 1966.

**Maternity Care in the World.** International Survey of Midwifery Practice and Training. Report of Joint Study Group. (Pp. 527+xx. £6.) Oxford: Pergamon. 1966.

**Methods and Achievements in Experimental Pathology.** Vol. 1. An Introduction to Experimental Pathology. Edited by E. Bajusz and G. Jasmin. (Pp. 706+x; illustrated. S.Fr. 120.) Basel and New York: S. Karger. 1966.

**Empfängnisverhütung.** Ein Leitfaden für Ärzte. By Prof. Gerd K. Döring. (Pp. 66+v; illustrated. DM. 5.80.) Stuttgart: Georg Thieme. 1966.

**Retinal Diseases.** Symposium on Differential Diagnostic Problems of Posterior Uveitis. Edited by Samuel J. Kimura, M.D., and Wayne M. Caygill, M.D. (Pp. 395; illustrated. 93s. 6d.) London: Henry Kimpton. 1966.

**General Urology.** 5th edition. By Donald R. Smith, M.D. (Pp. 409; illustrated. 50s.) Oxford: Blackwell. 1966.