

Optics

Technical Optics. Vol. 1. 2nd edition. By L. C. Martin, D.Sc., A.R.C.S., D.I.C., and W. T. Welford, D.Sc., A.Inst.P. (Pp. 399+vii; illustrated. 70s.) London: Isaac Pitman. 1966.

This book deals with the *elementary theory of image formation* (modernized to enable one to use a calculating machine); with the *Gaussian system of multiple refracting surfaces* (the most recent reference in this chapter dated significantly 1929); with standard physical optics (requiring familiarity with exponentials and integrals); with the *defects of the optical image*; with the *optics of the eye and vision*; with polarization, double refraction and the optics of thin films; with sources of radiation including masers and

lasers, and means of detecting radiation; with optical hardware; and with *spectacle optics*.

The clinical worker will be interested mainly in the italicized topics and will have no difficulty in following the carefully reasoned arguments even though they are quantitative. The chapter on spectacles is well put together, though orthodox—how can one be anything else in this subject that appears to be tied up for all time? Reading it is much facilitated by the typographic distinction between refractive powers on the one hand and all other symbols on the other. Practical applications, however, are not always pinpointed—for example, a remark to the effect that “ophthalmic prisms are employed in the correction of heterophoria and ‘squint’” reveals the authors’ unfamiliarity with prisms as used during high

convergence in the course of surgery or the construction of some components of computers.

It is when they come to deal with the eye and vision that the authors unfortunately let the reader down. They do not show enough familiarity with the modern literature on the subject. For instance, they do no better than refer to the English translation (published in 1957) of a French book published in 1949 and misquote the magnum opus of one of their own colleagues. This important chapter gives an outdated view of the subject.

As for the rest, the book can be recommended. It is well produced, clearly illustrated, and, as books go these days, reasonably priced.

R. A. WEALE.

Books Received

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

American Handbook of Psychiatry. Vol. 3. Edited by Silvano Arieti. (Pp. 778+xiii. £7 7s.) London: Basic Books. 1966.

Operative Cholangiography. By C. A. R. Schulenburg, M.D.(Pretoria), Ch.M.(Capetown), F.R.C.S.(Eng.). (Pp. 261+x; illustrated. £3 15s.) London: Butterworth. 1966.

Prevention and Treatment of Mental Retardation. Edited by Irving Phillips. (Pp. 463+xiv. 84s.) London: Basic Books. 1966.

Psychotherapy and the Behavioral Sciences. By Lewis R. Wolberg, M.D. (Pp. 198+vi. 48s.) London: Heinemann. 1966.

Albert Schweitzer. Conférences du Congrès International des Écrivains-Médecins, Debrecen, 1966. (Pp. 207. No price given.) Debrecen, Hungary: Alföldi Nyomda. 1966.

Morphology and Histochemistry of the Vascular Wall. Symposium, Fribourg, 1965. (Part 1: Pp. 225-434. Part 2: Pp. 211-398; illustrated. sFr./DM. 70.) Basle and New York: S. Karger. 1966.

The Myocardial Cell. Structure, Function, and Modification by Cardiac Drugs. Edited by Stanley A. Briller and Hadley L. Conn, jun. (Pp. 374; illustrated. 64s.) London: Oxford University Press. 1967.

Röntgenatlas der Erkrankungen der oberen Harnwege bei Säuglingen und Kleinkindern. By Dr. Wilhelm Sinner. (Pp. 132; illustrated. £4 16s.) Jena: Gustav Fischer. 1966.

Neurological and Neurosurgical Nursing. An Introduction. By Donald F. Scott, M.B., Ch.B., M.R.C.P.(Ed.), M.R.C.P., D.P.M., and Barbara Dodd, S.R.N. (Pp. 204+xii; illustrated. 25s.) Oxford: Pergamon. 1966.

Pseudomonas-Aeromonas und ihre Humanmedizinische Bedeutung. By Professor Friedrich-Hermann Caselitz. (Pp. 243+xii; illustrated. £3 11s. 3d.) Jena: Gustav Fischer. 1966.

L'Actualité Rhumatologique. 1966. By Les Médecins du Centre Viggo Petersen, under direction of S. de Sèze. (Pp. 319. 82 F.) Paris: L'Expansion Scientifique Française. 1966.

Anatomy and Physiology for Radiographers. 2nd edition. By J. E. Blewett, M.D., D.M.R., F.F.R., and A. M. Rackow, B.Sc., M.B., D.M.R.E. (Pp. 331+x; illustrated. £2 17s. 6d.) London: Butterworth. 1966.

Herzschall-Fibel. By Professor Klaus Holldack and Dr. Dieter Wolf. (Pp. 127+x; illustrated. DM. 16.80.) Stuttgart: Georg Thieme. 1967.

A Nurse's Guide to the X-ray Department. By Myer Goldman, M.B., Ch.B., D.M.R.D. (Pp. 82+viii; illustrated. 10s. 6d.) Edinburgh and London: E. & S. Livingstone. 1967.

The Year Book of Medicine. (1966-1967.) Edited by Paul B. Beeson, M.D., et al. (Pp. 826; illustrated. 72s.) London: Lloyd-Luke. 1966.

Ocular Therapy. Complications and Management. Edited by Irving H. Leopold, M.D. (Pp. 157+x; illustrated. 82s. 6d.) London: Henry Kimpton. 1966.

Aspects of Medical Physics. Conference, Harrogate, 1965. Edited by J. Rotblat. (Pp. 188+viii; illustrated. £2 5s.) London: Taylor & Francis. 1966.

Surgery of the Stomach & Duodenum. 4th edition. By Claude E. Welch, M.D., D.Sc. (Hon.). (Pp. 408; illustrated. 79s.) London: Lloyd-Luke. 1966.

The Complete Guide to Pensions and Superannuation. By G. D. Gilling-Smith. (Pp. 480. 10s. 6d.) Harmondsworth, Middlesex: Penguin. 1967.

Essentials of Pathology. By Hubert J. Van Peenen, M.D. (Pp. 554. 49s.) London: Lloyd-Luke. 1966.

Einführung in die Röntgendiagnostik. By Professor U. Cocchi and Professor P. Thurn. (Pp. 378+viii; illustrated. DM. 49.50.) Stuttgart: Georg Thieme. 1967.

Biographical Memoirs of Fellows of the Royal Society. Vol. 12. 1966. (Pp. 564; illustrated. £5.) London: The Royal Society. 1966.

The Artful Practice of Medicine. By William B. D. Van Aiken, M.D. (Pp. 115+xv. \$6.50.) Springfield, Illinois: Charles C. Thomas. 1966.

Environmental Biology. Edited by Philip L. Altman and Dorothy S. Dittmer. (Pp. 694+xxi. \$15.00.) Bethesda, Maryland: Federation of American Societies for Experimental Biology. 1966.

Atlas of Cryosurgical Techniques in Ophthalmology. By Charles D. Kelman, M.D. (Pp. 118+ix; illustrated. £7 1s.) London: Henry Kimpton. 1966.

Lehrbuch der Röntgendiagnostik. Vol. 3. Edited by H. R. Schinz et al. (Pp. 676+xii; illustrated. DM. 190.40.) Stuttgart: Georg Thieme. 1966.

Lehrbuch der Krankengymnastik. Vol. 4. Innere Erkrankungen Kinderheilkunde Neurologie und Psychiatrie. Edited by Professor K. Lindemann, Dr. H. Teirich-Leube, and Dr. W. Heipertz. (Pp. 430+xii; illustrated. DM. 38.25.) Stuttgart: Georg Thieme. 1967.

Lehrbuch der Hals-Nasen-Ohren-Heilkunde. By A. Eckert-Möbius. (Pp. 354+xiii; illustrated. £4 4s.) Leipzig: Georg Thieme. 1966.

Conference on Murine Leukemia. National Cancer Institute Monograph 22. (Pp. 712+xii; illustrated. No price given.) Bethesda, Maryland: National Cancer Institute. 1966.

Cleft Palate. By Harold Westlake and David Rutherford. (Pp. 137+xi; illustrated. 40s.) London: Prentice-Hall International. 1966.

Pain Symposium, Detroit, 1964. Edited by Robert S. Knighton, M.D., and Paul R. Dumke, M.D. (Pp. 587+xix; illustrated. £6.) London: J. & A. Churchill. 1966.

Clinical Dietetics and Nutrition. With Special Reference to Tropical Foods. By F. P. Antia, M.D.(Bom.), M.R.C.P.(Lond.), M.S.(Ill.). (Pp. 563+ix. 42s.) London: Oxford University Press. 1967.

Neurology. By Simeon Locke, M.D. (Pp. 277+x; illustrated. 40s.) London: J. & A. Churchill. 1966.

One World of Science. Personal Visits to Men of Research in Many Lands. By Warren Andrew, Ph.D., M.D. (Pp. 271+x; illustrated. \$8.75.) Springfield, Illinois: Charles C. Thomas. 1966.

Appraisal of Current Concepts in Anesthesiology. Vol. 3. Edited by John Adriani, M.D. (Pp. 522+xi. £4 1s.) London: Henry Kimpton. 1966.

Hals-Nasen-Ohren-Heilkunde. Vol. 3. Part 3. Ohr. Edited by J. Berendes, R. Link, and F. Zöllner. (Pp. 1,697-2,426+xv; illustrated. DM. 230.) Stuttgart: Georg Thieme. 1966.

Die Herzkatheterisierung bei Angeborenen und Erworbenen Herzfehlern. By Professor O. Bayer, Dr. F. Loogen, and Dr. H. H. Wolter. (Pp. 316+xv; illustrated. DM. 90.) Stuttgart: Georg Thieme. 1967.

Funktionsdiagnostik des Gesunden und Kranken Herzens. By Professor H. Reindell, Dr. K. König, and Dr. H. Roskamm. (Pp. 294+xii. DM. 54.) Stuttgart: Georg Thieme. 1967.

Die Regulation der Schilddrüsenfunktion bei Jodmangel. By H. Studer and M. A. Greer. (Pp. 139. sFr./DM. 22.) Bern and Stuttgart: Hans Huber. 1966.