

**ATLAS OF ROENTGENOGRAPHIC POSITIONS.** By VINITA MERRILL, while Educational Director Picker X-ray Corporation. In 2 Vols. Pp. 679; illustrated. St. Louis: C. V. Mosby, 1949. Price, \$30.00.

THESE 2 volumes provide for the radiologist and his technical assistants a beautifully illustrated atlas showing all of the conventional roentgen examinations and many of the unusual. The Author has been meticulous in providing information concerning a great many of these examinations including brief descriptions of the anatomy of the parts. The various bones are illustrated in color plates as well as the individually dissected specimens. The technician, therefore, is provided with considerable information concerning the various structures in various parts of the body.

One finds very little to criticize in this book. Certain radiologists have pet positions for demonstrating disease of certain parts and some of these may not be included in this atlas; but it would be fanciful to expect to find all technical procedures employed in various special divisions of roentgenography. The important ones are in these books. The Reviewer does feel, however, that too many of the examinations have been illustrated in the horizontal posture. There are certain structures such as the paranasal sinuses which should be studied in the erect posture if at all possible, because greater information can thus be obtained. The same is true for the chest examination; in fact in the roentgen study of many parts of the body, the horizontal beam examination provides more information than the vertical beam. It is hoped that the re-publication of these volumes will include more emphasis on the value of examinations in the erect posture; however, this suggestion should in no way detract from the value of the present 2 volumes. They should be in the library of every radiologist and radiological technician.

The publisher is to be congratulated on the type of print, caliber of paper and the beautiful illustrations. It certainly sets a high standard for books of this type. E. P.

**RADIOACTIVE TRACER TECHNIQUES.** By GEO. K. SCHWEITZER, Ass't Prof. of Chemistry, Univ. of Tennessee, and IRA B. WHITNEY, Oak Ridge. Pp. 241. New York: D. Van Nostrand, 1949. Price, \$3.25.

THIS is a guide book to laboratory work with radioactive materials. As such it is unique to date. The first 4 chapters present the practical aspects of the hazards involved

and the design, construction and operation of a radiation laboratory. In Chapter V, 7 basic experiments are discussed in which the Lauritsen electroscope and the Geiger-Müller counter are described, studies are presented on beta particle characteristics, the separation of radio-elements, and the chemical behavior of micro-quantities. Chapters VI, VII and VIII deal respectively with the chemical, physical and biological applications of radioactive techniques. Appendices include a table of fundamental constants, a list of suppliers of radioactive equipment, an apparatus list and a form for writing up experiments.

The book is written in clear, readable style and covers a surprisingly large number of the problems that confront the worker who adopts radioactive methods. It will no doubt be of greatest service to those investigators who have had no previous experience in this field; but it can be read to profit by the veteran as well. A copy should be in every laboratory where work with radioactive materials is done, or contemplated. D. C.

**DENTAL ANATOMY.** By ROBERT C. ZEISZ, D.D.S., and JAMES NUCKOLLS, D.D.S., Univ. of California. Pp. 486; 427 ills. St. Louis: C. V. Mosby, 1949. Price, \$14.00.

BASICALLY this book is a study of the morphology of individual teeth and does not include general anatomy, histology, embryology or other related subjects. However, there is some consideration of the supporting structures of the teeth as well as an experienced analysis of the correlation between tooth form, function, chewing and occlusion generally.

The aim is to give the student an idea of the structures and landmarks of the deciduous and permanent teeth, not only descriptively but also by composite illustrations both diagrammatically and by depicting teeth from 5 aspects (buccal, lingual, occlusal, mesial and distal). These composite illustrations were made from a collection of 6000 permanent teeth and an equal number of deciduous teeth, accumulated at the University of California over a period of many years. In tables on pp. 456-8 only the average diameters are given—no range. The Authors are competent to present the material since they both are teachers of 20 years experience in California dental schools. They show a breadth of approach which goes beyond mere tooth form when they on many occasions point out correlative factors in tooth form involved in chewing and occlusion.

Stress on the importance of the deciduous teeth as predecessors to the permanent teeth constitutes a useful functional approach. One may admire the painstaking odontologic detail of this study but wish that the Authors had concentrated less upon stereotypes and more upon the variability in size, shape and general morphology of the individual tooth. There is danger that if teeth do not conform to the average in size and shape as given in this volume, the student could easily assume that they were not normal. It would have been desirable if the Authors had hit harder the theme of "individual normal" so basic to all human morphology. C. Z.

## NEW BOOKS

*Ecology of Health.* Edited by E. H. L. CORWIN, Ph.D. Pp. 196. New York: Commonwealth Fund, 1949. Price, \$2.50.

"... THE quintessence of the papers and discussions at the Institute on Public Health which was held at the New York Academy of Medicine on April 1, 2, and 3, 1947, as a part of the Centennial Celebration of the Academy."

*Haemolytic Disease of the Newborn.* By M. M. PICKLES, D.M., Radcliffe Infirmary, Oxford. Pp. 181; 21 figs. Springfield, Ill.: Charles C Thomas, 1949. Price, \$4.50.

THIS is an excellent monograph. Dr. Pickles is an experienced worker in this field to which she has made some fundamental contributions. The volume is authoritative, well organized, well written, well illustrated, thoroughly practical and adequately documented. The index is excellent. The Reviewer recommends this little book with genuine enthusiasm. T. F.-H., Jr.

*Therapeutic Exercises.* By HANS KRAUS, M.D., Ass't Clinical Prof. of Rehabilitation and Physical Medicine, New York Univ. College of Medicine. Pp. 336; 290 ills. Springfield, Ill.: Charles C Thomas, 1949. Price, \$6.50.

THIS first edition presents a rational approach to the use of exercises in treatment. The illustrations are clear, accurate and useful. The first section is somewhat repetitious, but this is not without its advantages. Because of its logical basis and avoidance of long lists of complicated exercises, the book will be of value to all physicians who encounter cases of neuromuscular and joint disease and other conditions causing general debility. J. H.

*Bedside Diagnosis.* By CHARLES MACKAY SEWARD, M.D., Royal Devon and Exeter Hospital. Pp. 372. Balt.: Williams & Wilkins, 1949. Price, \$3.50.

SYMPTOMS rather than signs or lesions form the basis for classification. Of 16 different symptoms, pain is given for 7 short chapters. Anemia and hemorrhage are allotted 70 pages, whereas Dyspnoea, Tachycardia, and Pyrexia receive

shorter shrift. The volume contains much condensed information, but is inadequate for its worthy and ambitious purpose.

*Congenital Anomalies of the Heart and Great Vessels.* By THOMAS J. DRY, ROBERT L. PARKER, H. MILTON ROGERS, JESSE E. EDWARDS, HOWARD B. BURCHELL, and ARTHUR H. BULBULIAN of the Mayo Clinic. Pp. 68; 80 ills. Springfield, Ill.: Charles C Thomas, 1949. Price, \$4.50.

THIS is a brief presentation of the material assembled primarily for a convention exhibit. The monograph consists of a pictorial portrayal of nearly all of the congenital cardiac anomalies. Each anomaly is represented by a picture, roentgenogram, and a characteristic electrocardiogram. Included with the actual data are reproductions of portraits of the pioneer investigators in the field of congenital heart disease. As a visual aid this monograph will aid materially in the teaching of congenital cardiac lesions. H. V.

*Partition Chromatography.* Edited by R. T. WILLIAMS, Assisted by R. L. M. SYNGE. *Biochemical Society Symposia* No. 3. Pp. 103; 12 ills. Cambridge University Press, 1949. Price, \$1.50.

EXCELLENT in content and manner of presentation.

*Angina Pectoris and Myocardial Infarction.* By HEYMEN R. MILLER, M.D., Ass't Prof. of Medicine, New York Postgraduate Medical School. Pp. 336; 63 ills. New York: Grune & Stratton, 1950. Price, \$8.75.

*Normal Values in Clinical Medicine.* By F. WILLIAM SUNDERMAN, M.D., Ph.D., Prof. of Experimental Medicine and Clinical Pathology, Univ. of Texas, and FREDERICK BOERNER, V.M.D., Late Assoc. Prof. of Clinical Bacteriology, Univ. of Pennsylvania. Pp. 845; 237 ills. Phila.: W. B. Saunders, 1949. Price, \$14.00.

THIS large volume, which exemplifies how much the clinician depends today on objective information about normal values, covers in its 74 chapters far more than clinical laboratory tests. The standing of its 2 Authors and 29 collaborators is a strong guarantee of its accuracy and value. Now to keep it up to date! E. K.

*Medical Clinics of North America, Symposium on Pediatrics.* Pp. 1-306. Chicago Number. Phila.: W. B. Saunders, January, 1950. Price, \$15.00 a year.

BRIEF discussions are presented on 21 different subjects, with particular reference to the Authors' personal views and experience. As in any such group of papers, there is much to approve and some opinions which are controversial. Self-demand feeding is presented in good perspective. Removal and examination of cerebrospinal and subdural fluid are well discussed, also acute and chronic nephritis, paroxysmal tachycardia, and tracheo-esophageal fistula. Useful suggestions are given for diagnosis and management of several other disorders. Many will question the use of

penicillin or other potential sensitizers in nose drops and aerosols for allergic children. Other criticizable features are the exclusive emphasis on dietary sugar in control of dental caries, omission of intrathecal streptomycin in the treatment of tuberculous meningitis, free activity in the management of Legg-Perthe's disease, late surgery for non-paralytic strabismus, and immediate transfusion of all erythroblastotic infants. On page 188, line 7, "Rh negative" is apparently meant, not "positive" as written. Errors in proofreading are common throughout. F. H.

*The Chemotherapy of Tuberculosis—The Experimental Approach.* By G. RAKE, et al. Pp. 165; illustrated. New York: Annals of the N. Y. Acad. of Sci., 52, Art. 5, 1949. Price, \$2.50.

*From the Hills, An Autobiography of a Pediatrician.* By JOHN ZAHORSKY, M.D. Pp. 388. St. Louis: C. V. Mosby, 1949. Price, \$4.00.

DIVIDES his life into 3 parts, Development, Maturity, Decline, of 30 years each. The age of decline is not yet completed and "will probably not be fulfilled (D. V.)".

*Metabolism and Function.* Edited by D. NACHMANSON, M.D. Pp. 346; illustrated. New York: Elsevier Publishing Co., 1950. Price, \$7.00.

A COLLECTION of papers dedicated to Otto Meyerhoff on the occasion of his 65th birthday.

*Chemotherapy of Leukemia and Leukosarcoma.* By WILLIAM DAMESHEK, M.D., MARVIN L. BLOOM, M.D., LOUIS WEISFUSE,

M.D., MILTON H. FREEDMAN, M.D., and MIGUEL LAYRISSE, M.D. Pp. 54; illustrated. New York: Grune & Stratton, 1949. Price, \$4.75.

THIS reprint of an exhibit presented at the American Medical Association Convention, Atlantic City, June, 1949, is an excellent picture-book story, briefly and effectively told, of the newer agencies and methods of therapy of leukemia and leukosarcoma. The Reviewer's experience is somewhat similar, but his optimism falls short of that of the Authors' in so far as the future is concerned. The achievements of modern therapy of leukemia are still tragically unsatisfactory. The use of ACTH in this field began after this volume was compiled. The book is heartily recommended to all students of leukemia. T. F-H., Jr.

*Helpful Hints to the Diabetic.* By WILLIAM S. COLLENS, M.D., and LOUIS C. BOAS, M.D. Pp. 135; 64 ills. Springfield, Ill.: Charles C Thomas, 1949. Price, \$3.00.

*L'Organisation des Os.* Par P. LACROIX, Prof. à la Faculté de Médecine de Louvain. Pp. 230; 87 ills. Paris: Masson et Cie., 1949. No price given.

*The Question of Lay Analysis.* By SIGMUND FREUD. Translated by NANCY PROCTER-GREGG. Pp. 125. New York: W. W. Norton, 1950. Price, \$2.50.

*Aktive Entspannungsbehandlung.* Von Dr. med. JOH. FAUST. Pp. 127; 14 ills. Stuttgart, Germany: Marquardt & Cie., 1949. Price, D. M. 6.80.

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