Book Reviews

*Applied Orthodontics.* James David McCoy, M.S., D.D.S., F.A.C.D., Associate Professor of Surgery (Oral) School of Medicine, University of Southern California, Los Angeles, California; formerly Professor of Orthodontics in the College of Dentistry, University of Southern California, Los Angeles, California. Fifth Edition, thoroughly revised, 333 pages, illustrated with 227 engravings and 1 plate. Lea and Febiger, Philadelphia, 1941. $4.50

In this edition the author has revised the material covered in former editions, and added some illustrations. He determines orthodontic diagnosis by the orientation of the teeth, dental arches, and jaws with three planes of the head; the median sagittal; the Frankfort horizontal; and the orbital plane. These planes are projected upon "gnathostatic denture reproductions" in plaster and on standardized facial photographs of the patient. These procedures aid in determining the manner and extent of deviations from normal, and by the use permit the observation of dento-facial change during orthodontic treatment. Deviations in length, breadth and height are computed with the aid of Pont’s Index, Hawley’s Gnathostatic Charts and the material contributed by the observations of Simon. Modification is allowed for facial and cranial types.

In the chapters on The Operation of Appliances the author has clearly illustrated the design and operation of round labial arch wires, augmented by bands with open tube attachments, in the treatment of a generous selection of cases. The use of the lingual arch wire with auxiliary springs is also described.

The chapter on Tissue Changes Incident to the Movement of Teeth is largely a digest of the material first published by Oppenheim in 1912. Under the topic of Secondary Orthodontic Treatment, or Retention, the author places emphasis on the importance of muscle training and function, and includes in the chapter a brief transcript of the ideas of Dr. Alfred P. Rogers. Mechanical retention appliances are also described.

The book includes eleven case reports, is clearly written and portrays the author’s enthusiasm in the field. It should be of definite aid to the student of Orthodontics.

Waldo Urban