to use the work "as a companion to any of the larger text-books on hematology." The information is so abstruse and so complicated that it would require either a careful study of the book from the beginning to fully comprehend much that is written or else one would have to be a student of advanced hematology to follow the various statements and arguments.

Several criticisms more specific might be made. The author accepts the intermediate view of Pappenheim as to the origin of the blood cells, and seems to dismiss the pure dualistic theory without sufficient consideration. On page 66 no mention is made of the strong possibility of the neuclear body seen in human erythrocytes being an artefact. At times there is a tendency to contradict statements previously made, as with chlorosis and punctate basophilia on pages 79 and 81. Reading page 100, one receives a shock to find that "the ordinary blood-count is of relatively small value in elucidating the pathology of a case of anemia." On page 167 reference is made to Asher's work upon iron metabolism and the spleen, but the iron content of the feces was estimated, not that of the urine. Similar minor errors, for the most part unavoidable, are found from time to time in the latter pages. In considering the glossary of hematological terms exception might well be taken to even noticing some of the etymological monstrosities that the author has seen fit to include for the sake of completeness. Incidentally he here tabulates 86 synonyms for Pappenheim's lymphoidocyte.

The necessity of such a book as the present one may be questioned; there can be no question but that the subject matter is presented in a deeply scientific and scholarly fashion. The author has done well a difficult and imposing task. J. H. M., Jr.

MESSAGE, MANUAL TREATMENT, REMEDIAL MOVEMENTS, HISTORY, MODE OF APPLICATIONS, AND EFFECTS; INDICATIONS AND CONTRA-INDICATIONS. By DOUGLAS GRAHAM, M.D., Consultant and Instructor in Massage, Boston, Massachusetts. With a Chapter on Massage of the Eye, by DR. A. DARIER, formerly President of the Ophthalmological Society of Paris; Chevalier of the Legion of Honor, etc. Fourth edition; pp. 574; 75 illustrations. Philadelphia and London: J. B. Lippincott Company, 1913.

THIS the fourth edition of "the first book on massage in point of time in the English language" appears as a well-bound, splendidly printed volume.

The revision has not been extensive, and certainly seems to fall

short of the possibilities of such a work eleven years after the appearance of its admirable predecessor. Twelve new illustrations, about forty paragraphs, and a chapter on massage of the eye constitute the additions. A few paragraphs have been omitted. The new paragraphs usually introduce or conclude the chapter as it appeared in the former edition, and touch upon the possibilities of massage in such conditions as angina pectoris, arteriosclerosis, atonic dilatation of the stomach, pneumonia, etc. Some few lines are devoted to Bier's hyperemia.

The author still feels that manipulation of the gall-bladder through the abdominal wall may aid in the solution of biliary calculi, and he seems to have little respect for the surgeon's viewpoint of appendicitis.

The book remains largely a record of the early personal experiences of a man who is intensely enthusiastic about his subject, but has allowed himself to be slightly overbalanced by it.

The chapter dealing with the mode of applying massage is excellent. The illustrations are very good. As a new edition it is somewhat of a disappointment; as a book on massage it remains an excellent treatise.

T. G. S.

MODERN RADIUM AND THORIUM THERAPY IN THE TREATMENT OF TUMORS, GOUT, RHEUMATIC DISEASES, NEURALGIAS, AND THE DISEASES OF THE BLOOD. By ADOLPH BICKEL, M.D., Professor in the University of Berlin. Pp. 40. Berlin: August Hirschwald, 1914.

THIS is a small monograph on the treatment of various conditions by radium and mesothorium. The author reviews briefly the physics of radio-active substances and radio-activity, the indications for the use of the two mentioned and their value, and gives a summary of cases he has treated.

H. K. P.

MODERN SURGERY. By JOHN CHALMERS DACOSTA, M.D., LL.D., Professor Surgery, Jefferson Medical College, Philadelphia; Surgeon to Jefferson Medical College Hospital; Surgeon to St. Joseph's Hospital; Fellow of the American Surgical Society, etc. Seventh edition; Pp. 1515; 1085 illustrations. Philadelphia and London: W. B. Saunders Company, 1914.

THIS the seventh edition of the author's work has added much to his already valuable treatise on surgery. The book has been reset, and to keep the work in as small a compass as possible the