The author has had unusual facilities in Vienna for the study of the many and varied changes produced through the influence of radioactivity. He has taken advantage of them. The book presents the results of his elaborate investigation. It is filled with meat and cannot fail to be of interest to mineralogists, geologists and those chemists who desire further information as to the influence of these complex rays upon matter. It has a good index. CHAS. BASKERVILLE.

The Simple Carbohydrates and the Glucosides. By E. FRANKLAND ARMSTRONG. (Monographs on Biochemistry Series.) 112 pages. Longmans, Green & Company. Price, $1.20 net.

This short monograph by Dr. Armstrong, an English investigator of the first rank in carbohydrate chemistry, is a well-written summary of the advances of the last fifteen years in the chemistry of the sugars. Naturally it is impossible to describe these advances in a manner that is satisfactory to an inquiring reader in the space of 112 pages, and it is to be hoped that later editions will be more inclusive. But the monograph is a good beginning and should be widely read by chemists and biologists. To understand the chemical or biological actions of the sugars it is essential to have a clear knowledge of their mutarotation and Dr. Armstrong's book furnishes a good description of this phenomenon. A valuable eighteen-page bibliography is appended. On page 47 the discovery of β-lactose, which was made by E. O. Erdmann, is credited to C. Tanret. The discovery that the mutarotation of glucose is a balanced reaction is ascribed on page 8 to Lowry; the reviewer believes that he made the same discovery in the case of lactose in the year preceding Lowry's publication, and that his priority in the discovery of the cause of the mutarotation reaction has been recognized in such a standard work as Nernst's "Theoretische Chemie." Dr. Lowry and he worked independently, the former on glucose, the latter on lactose. C. S. HUDSON.

A Course in Inorganic Chemistry for Colleges. By LYMAN C. NEWELL, PH.D. (Johns Hopkins), Professor of Chemistry, Boston University. Published by D. C. Heath and Company, Boston. pp. x + 594. Price, $2.00.

This is practically a new and enlarged edition of the author's well-known Descriptive Chemistry. A chapter on Solutions has been added and the chapters on Silicon-Boron and Chromium-Manganese have been enlarged and divided into two separate chapters. While the main portions of the text are identical with the Descriptive Chemistry, yet considerable new material has been added and the subject brought up to date. In a few cases the order of the chapters has been changed. The questions at the end of the chapters have been omitted, but the lists of problems remain. The book is conservatively modern in spirit and is deserving the same cordial recognition given the author's former work.

WILLIAM MCPHERSON.