

for determining water in rocks and minerals. We notice that in discussing the operation of filtration no mention is made of the Neubauer crucible. Further, the reviewer does not think that sufficient attention has been paid to the determination of silica in the silicates. The names of the discoverers of methods are only occasionally given, and no direct references to the chemical literature accompany the descriptions of processes. It is rather remarkable that in the list of books and journals Mohr's classic work on volumetric analysis and Fresenius' *Zeitschrift* find no mention. These, however, are minor shortcomings when we consider the excellence of the book as a whole. It is essentially a *practical* treatise on analysis, wide in scope, clear in its descriptions, and generally reliable in its methods. The type and paper are good, and the book is well bound. It is also provided with a good index. We welcome the appearance of this 8th edition, and take pleasure in warmly recommending it not only to teachers and students, but to analysts in general.

LEROY W. McCAY.

**Anleitung für das organisch präparative Praktikum.** FRANZ W. HENLE. Leipzig: Akademische Verlagsgesellschaft m. b. H. 1909. 8vo. 176 pp., 43 figs.

The attempt has been made, and that quite successfully, to present each preparation not as an individual synthesis but rather as a type of a general class of reactions. This is partially accomplished by the method of presenting the experimental directions but even more by the numerous citations to the original literature discussing the typical reactions of the class of substances under discussion. It is the opinion of the reviewer that the author has made plain to the student the need for the use of the original literature and thereby there will be much less occasion for the almost universal complaint that students engaged in organic preparations do not recognize the importance of reading the original literature.

Coming as it does from Thiele's laboratory at Strassburg, one expects, and finds, it to be thoroughly up to date in the references to the theory of the reactions as well as in the inclusion of examples of the Grignard, Sabatier and other modern syntheses.

It is one of the best of the more advanced manuals and like the others (Fischer, Gatterman, etc.) it will probably give its best service when preceded by a *short* course in which the simpler preparations of the aliphatic series are studied.

RALPH H. MCKEE.

**Kolloidchemische Beihefte.** By DR. WO. OSTWALD. Volume I, Nos. 1 and 2 Theodore Steinkopff, Dresden. To subscribers of the *Kolloid-Zeitschrift* 1 M., single volumes 1.20 M.

The object of this publication is to collect together and to present as early as possible the most important general articles on colloids. This is to be a supplement to the *Kolloid-Zeitschrift*. It should enable those who wish to follow the general advance of the subject to do so without