

into the five or six generally accepted analytical groups. The purpose appears to be to make the student think, and there is little doubt but that if he conscientiously pursues the course outlined he will not fail to gain a very fair knowledge of the general principles of analysis.

Sixteen pages are devoted to the study of the acid radicals, the student being as before urged to test and note his discoveries. Numerous excellent practical hints appear here and there, helpful even to the more advanced student.

Two chapters are given to the analysis of solids and the preparation of reagents.

Part II considers theory. It discusses, among others, the radicals and formulas, ionizations and ions, etc. In the latter connection the author remarks, "the circumstance that ionization takes place greatly simplifies inorganic chemical analysis."

About a dozen pages are devoted to sensible and helpful suggestions on equation writing.

Part III considers the descriptive portion, which in most texts dealing with analysis, receives first attention.

The author has aimed to lead the student into analysis without resorting to the mechanical habit, and in this book contributes much to obviate and keep out this evil. He accordingly deserves great credit for his effort. Earnest teachers, who believe in laying a good foundation in analysis, will appreciate it and give the little volume a hearty welcome.

EDGAR F. SMITH.

ERRATA.

In the August issue, page 557, line 9, for "ammonium bromoselenide" read "ammonium bromoselenate."

Page 567, line 10 from bottom, for "ammonium selenium bromoselenate" read "ammonium bromoselenate."

Page 578, line 8, for "forty" read "four."