

**REVIEW.**

**ELEMENTARY QUALITATIVE ANALYSIS.** By BENTON DALES, Ph.D., and OSCAR LEONARD BARNEBEY, Ph.D. Pp. viii+205. John Wiley and Sons, New York; Chapman and Hall, Ltd., London. 1916. Price 5s. 6d. net.

The authors state in their preface that this book is intended to act as a guide in qualitative analysis for students who have previously carried out a year's course of work in general chemistry.

The book, as its title implies, deals with the subject in quite an elementary manner, but with some innovations that would seem to have little to recommend them. For instance, it is difficult to see anything but disadvantage in the arrangement of the special reactions for bases, not under the names of the latter, but in paragraphs headed with the formulæ of the reagents giving characteristic precipitates.

The authors also suggest that the acids present in a mixture should be detected before the bases; and although occasionally such a procedure may be found desirable, this is not usually the case.

The descriptions of the various reactions and tests are given concisely and clearly, but the detection tables are rather lacking in this respect, and, together with the general arrangement referred to above, this fact will probably militate against the general use of this book in teaching laboratories in this country.

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