these pioneers in Greek science modern readers should remember these men with gratitude.

                                                                L. C. KARPINSKI

Funktionentheorie, Zweiter Teil: Anwendungen und Weiterführung der allgemeinen Theorie. Vierte, verbesserte Auflage. By Konrad Knopp. Sammlung Göschen, No. 703. Berlin and Leipzig, Walter de Gruyter, 1931.
Aufgabensammlung zur Funktionentheorie, Erster Teil: Aufgaben zur elementaren Funtionentheorie. Zweite, verbesserte Auflage. By Konrad Knopp. Sammlung Göschen, No. 877. Berlin and Leipzig, Walter de Gruyter, 1931.

The Göschen collection of texts on mathematics provides a course for the student of the theory of analytic functions which is contained in five of the very convenient pocket size volumes. The two volumes entitled *Funktionentheorie* by Knopp have now appeared in a fourth edition. The second edition of the *Einführung in die konforme Abbildung* by Bieberbach appeared in 1927. The other two volumes contain collections of problems.

The first volume of the fourth edition of the *Funktionentheorie* was reviewed in the American Mathematical Monthly, vol. 38, page 529, by an enthusiastic writer who remarked "There is little doubt but that this is the best monograph on functions of a complex variable yet written." While this superlative statement is a little stronger than those of the reviewers of other editions, it indicates the general attitude of all.

The fourth edition of the second volume of the *Funktionentheorie* shows no extensive changes from the third edition which appeared in 1926. Definitions and proofs have received careful scrutiny and minor improvements are most noticeable in the section on doubly-periodic functions and in the chapter on algebraic functions. The book is divided into two approximately equal parts which treat single-valued functions and multiple-valued functions, respectively. The titles of the chapters are as follows: I. Ganze Funktionen; II. Meromorphe Funktionen; III. Periodische Funktionen; IV. Wurzel und Logarithmus; V. Algebraische Funktionen; VI. Das analytische Gebilde.

The first edition of the first volume of the problems appeared in 1923. The second edition brings the material up to date with references to the latest editions of the texts. Each group of problems contains a specific reference to one of the three volumes which cover the theory. In the first part of the book the problems are merely stated and an asterisk used to designate the more difficult ones. Of 183 problems, 41 are so designated. The second part contains solutions of varying degrees of completeness.

                                                                W. R. LONGLEY

Mathematics. By B. B. Low. London, Longmans, Green and Company, 1931. 448 pp.

In contrast to the purpose of this book, the author recalls, in the preface, the toast: "Here's to mathematics, and may it never be of use to anybody." The present work is intended to be useful to those who are engaged in technical work, such as engineering, physics, or chemistry.

The field covered is wide, extending from elementary algebra to differential