

The figures employed are all of an elementary nature, circles, rectangles, triangles, and squares. On the other hand some of the results of these chapters are stated in the book for the first time. Schoenflies (Bericht, II, page 93) has incorrectly reported the decisive examples on pages 275–283. The surprising result that a countable closed set of points in the plane may have positive linear content, which may even be infinite, has entirely escaped comment in the “Bericht.” An appendix deals with various questions that arose during the printing of the book but too late for insertion in the main body of it. At the end a very full bibliography is given,—so full as to be rather discouraging. It would be of real service if the book contained in a short compass a statement of the contributions to point set theory by the different investigators.

Throughout there are many well constructed figures which assist the reader very materially. The large number of problems exhibiting a multitude of phases of the subject bear eloquent witness to the care with which the authors themselves have mastered the subject and the great amount of energy expended in writing the book.

Inasmuch as this is practically the only treatise of its kind (Schoenflies’s Bericht apparently having a quite different purpose), it is difficult to judge how greatly it differs from the riper treatises which are bound to come in the future. But we are surely justified in saying that the authors have done the cause of mathematics a real service by placing at the disposal of the student a treatment of point sets exceptionally readable and with unimportant exceptions entirely trustworthy.

A very considerable number of misprints have been detected.

N. J. LENNES.

*Leçons élémentaires sur la Théorie des Fonctions analytiques.* 2nd edition. By ÉDOUARD A. FOUËT. Vol. I: *Les Fonctions en général.* 1907. xiii + 112 pp. Vol. II: *Les Fonctions algébriques. Les Séries simples et multiples. — Les Intégrales.* Paris, Gauthier-Villars, 1910. xi + 263 pp.

A COMPARISON of the first and second editions shows that the author has completely revised his work, adding new material to include some of the latest developments, enlarging some of the subjects already treated and rewriting other portions. The one volume of the first edition has been expanded into two.

In the first volume the author seeks to give a general intro-