

Quite nice is Chapter IV; Bohr's theorem on bounded integrals of a.p functions and its extension to linear systems given by Bochner are included here.

Chapter VI on Banach space-valued a.p functions presents the approximation theorem following the reviewer [Ann. Ecole Normale Supérieure, 1962].

A quite complete list of references ends this short, but probably useful, monograph.

S. Zaidman, Université de Montréal

Introduction of the methods of real analysis, by Maurice Sion. Holt, Rinehart and Winston Inc., New York, 1968. x + 134 pages. Canad. \$9.85.

In a mere 130 pages the author presents the basic ideas of the topological concepts of real analysis and measure theory. In fact, the book is divided into two parts. Part I concerns the topological concepts and Part II is entirely devoted to measure theory.

The first part starts with a chapter on set theory which distinguishes itself because of brevity. Chapter two deals with spaces of functions such as the classical sequence spaces, spaces of continuous function. In this short chapter the author only aims at the pertinent definitions. The remaining two chapters of the first part are devoted to the elements of point set topology. It includes subjects such as completeness, compactness, connectedness and the Baire category theory which are all essential in analysis.

Part II, which is devoted to measure theory, starts with a discussion of measures on abstract spaces. It includes the Jordan decomposition theorem and the theory of Carathéodory's outer measures. The Lebesgue-Stieltjes measure on the line are discussed and Lebesgue measure in \mathbb{R}^n . A chapter is devoted to the theory of integration. It discusses the basic limit theorems and the Fubini theorem. The book concludes with a chapter on the Riesz representation theorem.

In view of the many subjects which are covered in this book, the reviewer feels that it is a welcome addition to the existing literature in real analysis.

W.A. Luxemburg, California Institute of Technology

A Seminar on graph theory, edited by F. Harary with L. Beineke. Holt, Rinehart and Winston Inc., New York, 1967. v + 116 pages.

The book contains in 111 pages the fourteen lectures of a seminar on graph theory held at University College, London, in 1962/63. The lecturers were: F. Harary (Lecture 1 - 6); L. Beineke (7); P. Erdős (8 - 9); P. Erdős and P. Kelly (10); J. W. Moon (11); C. St. J.A. Nash-Williams (12); R. Rado (13); C. A. B. Smith (14).

The lectures 7 - 14 are prefaced by quite remarkable "Steckbriefe" of the lecturers given by the editor F. Harary. The volume being dedicated to Pólya, Lectures 4, 5, 6 and 11 are concerned with his famous enumeration theory. In 4 one finds a proof, and in 5, a general pattern of applying Pólya's enumeration theorem; in 6, the counting series of graphs and digraphs are determined. Lecture 11 presents nine proofs of Cayley's theorem that the