The book contains a great many diagrams, which, along with the author's skill as a teacher, help one over the many difficult points of the subject. The index is adequate. Unfortunately there are several grammatical errors, due, no doubt, to the translator's unfamiliarity with certain fine points of English.

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Studies in Modern Analysis, Vol. 1 of MAA Studies in Mathematics, ed. R. C. Buck. Published by the Math. Association of America, distributed by Prentice Hall, Inc., 1962. ix + 182 pages. $4.00.

This book initiates an MAA series aimed at bridging the gap between the college and the research levels. There are four papers: 1) The theory of limits, by E. J. McShane (discussing the concepts of nets, directed systems and general convergence by means of a modified Moore-Smith limit), 2) The generalized Weierstrass approximation theorem, by M. H. Stone (giving a detailed lucid account of the subject, proofs of the theorems and several important applications, e.g., the Peter-Weyl theorem), 3) The spectral theorem, by E. R. Lorch (starting with the finite-dimensional case, enveloping the necessary prerequisites in Hilbert space theory, proceeding to the completely continuous case, then the bounded case and ending with an introduction to the unbounded case; there is a clear discussion of resolvents, and point, continuous and residual spectra), and 4) Preliminaries to functional analysis, by C. Goffman (a discussion of convergence, completeness and continuity in function spaces, orthogonal and orthonormal bases, spectral decomposition of operators, and introducing Banach algebra up to and including a proof of Wiener's theorem on the Fourier series of the reciprocal of a function).

The papers are expertly written and there are many illustrations by special cases. A few misprints were noted but these should cause no difficulty.

If the following volumes remain on a comparable level, the series promises to be a most useful one for those who want to learn, review, or design a course.

Z. A. Melzak, McGill University

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