originality of treatment and entire mastery of this intricate and difficult subject. The aim of the authors has been to write a book of moderate size which may be used as the basis of a short course or as a reference book in connection with a lecture course on this subject. The book has many praiseworthy features. Besides being very compact, the reasoning is entirely rigorous and correct, a point which, in view of the lax methods in vogue, cannot be too highly commended. The Borel-Lebesgue theorem on point sets included within intervals or rectangles is employed to establish uniform continuity and similar properties. We note as worthy of mention also the following features : the simple manner of introducing irrational numbers with the corresponding geometrical theory of points on the right line ; the methodical use of the upper and lower bounds of a function for simplifying proofs, an extended comparison of functions with regard to magnitude (order, rank) with application to indeterminate forms and very general criteria for the convergence of improper integrals, finally the excellent treatment of integration which develops a surprising amount of the theory in a very small compass.

One who has carefully read this little volume will have acquired not only a goodly supply of facts, but, what is of far greater importance, familiarity with the exact and rigorous reasoning which is a sine qua non of further work in higher analysis.

<div align="right">JAMES PIERPONT.</div>

An Algebra for Secondary Schools. By E. R. HEDRICK. American Book Company, 1908. x + 421 pp.

IT is with pleasure that we welcome this little volume into the already large family of elementary algebras. In these days of rapid changes, when so much that is time honored must make way for the new, there is always room for one more algebra, provided it is written like Professor Hedrick's in a thoroughly modern spirit which seeks to readjust both the material chosen and the manner of its presentation so as to satisfy more nearly the needs of the present day.

The book has many features well calculated to win support among progressive teachers. The style is clear and attractive. The genial personality of the author cannot be swallowed up even in a high school algebra. It pervades the whole book and makes it bright and fresh. Without departing too far