

NOTES.

THE opening (January) number of volume 36 of the *American Journal of Mathematics* contains the following papers: "Determination of all primitive collineation groups in more than four variables which contain homologies," by H. H. MITCHELL; "On non-homogeneous equations with an infinite number of variables," by R. D. CARMICHAEL; "On constrained motion," by P. FIELD; "Covariant curves of the plane rational quintic," by J. I. TRACEY; "The group of isomorphisms of an abelian group and some of its abelian subgroups," by G. A. MILLER; "Self-projective rational curves of the fourth and fifth orders," by R. M. WINGER; "Iterated limits in general analysis," by R. E. ROOT.

The frontispiece of the volume is a portrait of W. STAHL.

AT the meeting of the London mathematical society held on January 15 the following papers were read: By S. T. SHOVELTON, "A generalization of the Euler-Maclaurin summation formula," and "Deduction of formulas of mechanical quadrature from the Euler-Maclaurin summation formula"; by A. YOUNG, "Binary forms."

AT the Atlanta meeting of the American association for the advancement of science Professor E. B. VAN VLECK delivered a vice-presidential address before Section A on "The influence of Fourier's series upon the development of mathematics." The address has been published in *Science*, January 23. Professor H. S. WHITE was elected vice-president of Section A. The next meeting of the Association will be held at Philadelphia from December 28, 1914, to January 2, 1915, under the presidency of Dr. C. W. ELIOT. Professor F. R. MOULTON is secretary of Section A.

THE editors of volume 7 of the Encyclopedia of mathematical sciences will hold a joint session with the French philosophical society April 6-8, for the purposes of formulating the general plan of the work. Addresses or reports have already been arranged for, by the following speakers: Professors Enriques, Whitehead, Hadamard, Langevin, Couturat, Brunschwig, Dufumier, Winter, and Reymond. The sessions will be held at the Sorbonne in Paris, under the presidency of Professor E. Boutroux.