NOTES

The opening number of volume 46 (1924) of the AMERICAN JOURNAL OF MATHEMATICS contains the following papers: *On the theory of numbers and generalized quaternions,* by L. E. Dickson; *A study of the rational involutorial transformations in space which leave a web of sextic surfaces invariant,* by J. O. Osborn; *On the reduction of differential parameters in terms of finite sets, with remarks concerning differential invariants of analytic transformations,* by O. E. Glenn; *On the isodyadic septimic equations,* by J. C. Glashan.

The concluding number of volume 24, series 2, of the ANNALS OF MATHEMATICS contains: *An introduction to the theory of elliptic functions,* by G. Mittag-Leffler; *Cyclotomic quinquisection for all primes of the form* $10n + 1$ *between* 1900 *and* 2100, by P. O. Upadhyaya; *Geodesic lines in Riemann space,* by R. Henderson; *A functional equation from the theory of the Riemann* $\zeta(s)$*-function,* by A. Arwin; *The geometry of paths and general relativity,* by L. P. Eisenhart.

The PUBLICATIONS OF THE UNIVERSITY OF JERUSALEM (SCRIPTA UNIVERSITATIS ATQUE BIBLIOTHECAE HIEROSOLYMITANARUM) will consist of four series, of which two, Mathematica et Physica, curavit A. Einstein, and Orientalia et Judaica, curavit Collegium Eruditorum, began publication in 1923. Articles will be printed in English, French, German or Italian, and will be accompanied by complete translations into Hebrew. Volume 1 (1923) of the mathematical-physical series contains papers by E. Landau, H. Bohr, G. Loria, J. Hadamard, A. Loewy, A. Fraenkel, A. Einstein and J. Grommer, L. S. Ornstein, T. Levi-Civita, T. v. Karman, S. Brodetsky, J. Popper-Lynkeus. Martinus Nijhoff, the Hague, is the publisher.

The Report of the National Committee on Mathematical Requirements has been reprinted, and may be obtained at the cost of the postage by addressing The Dartmouth Press, Hanover, N. H.

The following university courses are announced:

COLUMBIA UNIVERSITY.—By Professor T. S. Fiske: Theory of functions.—By Professor F. N. Cole: Algebra.—By Professor D. E. Smith: History of mathematics; Practicum in the history of mathematics; Seminar in the history of mathematics.—By Professor C. J. Keyser: Introduction to mathematical philosophy; Logical foundations of mathematics.—By Professor Edward Kasner: Seminar in differential geometry.—By Professor W. B. Fite: Differential equations.—By Professor J. F. Ritt: Theory of numbers.—By Professor G. A. Pfeiffer: The theory of sets of points.—By Dr. J. Douglas: Differential geometry.

CORNELL UNIVERSITY.—By Professor J. I. Hutchinson: Calculus of residues.—By Professor Virgil Snyder: Advanced analytic geometry;