NOTES.

AT the meeting of the London mathematical society held March 14, 1918, the following papers were read: By G. H. HARDY, "The representation of a number as the sum of any number of squares"; by G. N. WATSON, "A problem in the theory of numbers."

THE following university courses in mathematics are announced:

CORNELL UNIVERSITY (academic year 1918–1919).—By Professor JAMES MCMAHON: Theory of probabilities, three hours; Introduction to actuarial science, three hours.—By Professor J. H. TANNER: Introduction to the mathematics of finance, two hours.—By Professor VIRGIL SNYDER: Descriptive geometry, three hours (first term); Analytic geometry of space, three hours (second term).—By Professor F. R. SHARPE: Hydrodynamics, three hours (first term); Elasticity, three hours (second term).—By Professor W. B. CARVER: Projective geometry, three hours.—By Professor ARTHUR RANUM: Line geometry, three hours (second term).—By Professor D. C. GILLESPIE: Differential equations, three hours.—By Professor W. A. HURWITZ: Differential equations of mathematical physics, three hours.—By Professor C. F. CRAIG: Functions of a complex variable, three hours.—By Professor F. W. OWENS: Advanced calculus, three hours.—By Dr. M. G. GABA: Problems in mathematics, three hours.

JOHNS HOPKINS UNIVERSITY (academic year 1918–1919).— By Professor FRANK MORLEY: Higher geometry, three hours (first term); Theory of functions, three hours (second term); Dynamics and hydrodynamics, two hours (second term).— By Professor A. B. COBLE: Theory of correspondences, two hours.—By Professor ABRAHAM COHEN: Elementary theory of functions, two hours; Applied mathematics, two hours (second term).

UNIVERSITY OF CALIFORNIA (summer session, June 24– August 3).—In addition to the courses offered at Los Angeles (see BULLETIN, this volume, page 363), the following advanced