

## NOTES.

THE opening (January) number of volume 15 of the *Transactions of the American Mathematical Society* contains the following papers: "On the degree of convergence of Laplace's series," by T. H. GRONWALL; "Linear associative algebras and abelian equations," by L. E. DICKSON; "Some theorems concerning groups whose orders are powers of a prime," by W. B. FITE; "Limits in terms of order, with example of limiting element not approachable by a sequence," by R. E. ROOT; "The symbolical theory of finite expansions," by O. E. GLENN; "Lebesgue integrals containing a parameter, with applications," by B. H. CAMP; "Congruences and complexes of circles," by J. L. COOLIDGE.

At the meeting of the London mathematical society held December 12 the following papers were read: By E. W. HOBSON, "The linear integral equation"; by H. E. J. CURZON, "Generalized Hermite functions and their connection with Bessel functions"; by J. PROUDMAN, "Limiting forms of long period tides"; by A. L. CUNNINGHAM, "The number of primes of same residuality"; by R. H. FOWLER, "Some results on the form near infinity of real continuous solutions of a certain type of second order differential equations"; by S. BRODETSKY, "The potential of a homogeneous convex body and the direct integration of the potential of an ellipsoid"; by G. R. GODDSBROUGH, "The dynamical theory of the tides in a polar basin"; by J. C. FIELDS, "Proof of the complementary theorem."

At the International conference on the teaching of mathematics, to be held at Paris, April 1-4, the first day will be devoted to the assembling of the delegates, meeting of the central committee, and an evening session of the Société mathématique de France. At the general session on Thursday there will be opening addresses by Professors P. APPELL and FELIX KLEIN, followed by lectures by Professor E. BOREL on "The adaptation of teaching to the progress of science," and Professor M. D'OCAGNE on "The rôle of mathematics in engineering sciences." The afternoon session will be devoted to the discussion of the introduction of the calculus and the use of elementary functions in secondary instruction. Reports

will be presented by Professors E. BEKE and C. BIOCHE. The Friday sessions will discuss the teaching of mathematics to engineering students, with a report by Professor P. STAECKEL. In the evening there will be a meeting of the Society of civil engineers of France. On Saturday the discussions will be continued and policies outlined in preparation for the meeting at Munich in 1915.

At the annual public meeting of the academy of sciences of Paris, the permanent secretary, Professor GASTON DARBOUX, delivered an eulogy on HENRI POINCARÉ. The following prizes were awarded in mathematics, some of which had been announced earlier in the year: The Francoeur prize (2000 fr.) to A. CLAUDE for the whole of his work in astronomy. The Poncelet prize (3000 fr.) to MAURICE LEBLANC for his work in mechanics. The Petit d'Ormay prize (10000 fr.) to Professor C. GUICHARD for the whole of his work in mathematics. The Montyon prize (700 fr.) to Professor M. SAUVAGE for his work in mechanics. The Bordin, Gutzman, and grand prizes were not awarded.

PROFESSOR E. W. BROWN, of Yale University, has accepted the invitation of the British association for the advancement of science to attend the Australia meeting in 1914. He expects to be absent from the university until February, 1915.

PROFESSOR EDWARD KASNER, of Columbia University, has been granted leave of absence during the second term of the present academic year, to study in Europe.

DR. ELIZABETH B. COWLEY, of Vassar College, has been promoted to an assistant professorship of mathematics.

MR. A. L. MILLER has been appointed instructor in mathematics at the University of Michigan.

PROFESSOR BENJAMIN OSGOOD PEIRCE, of Harvard University, died January 14 at the age of 60 years. He was a member of the National academy of sciences and of many learned societies of Europe and America. He had been a member of the American Mathematical Society since 1891, and was vice-president of the Society in 1913.