

part with us in the memorable fêtes of his jubilee in 1892. All his friends, his disciples, his admirers shared in this impressive ceremony ; all the learned societies of Europe sent either addresses or delegates.

The same year saw the jubilee of Pasteur. To-day Pasteur and Hermite are no more ; there remains for us only the souvenir of their examples and their works, but these are sufficient to immortalize their memory.

Permit us in concluding to express a wish in behalf of the section of geometry. The work of Hermite is very scattered ; in addition to the principal memoirs, it contains many letters and short notes disposed here and there ; but all bear la griffe du lion. The Academy would honor itself and render a great service to geometers by undertaking the publication of the complete works of Charles Hermite.

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#### NOTES.

THE committee in charge of the colloquium to be held in August in connection with the summer meeting of the AMERICAN MATHEMATICAL SOCIETY is now able to announce that Professor OSKAR BOLZA has consented to give a course of lectures on "The calculus of variations, in particular Weierstrass's discoveries."

THE ninth regular meeting of the Chicago Section of the AMERICAN MATHEMATICAL SOCIETY will be held at the University of Chicago, on Saturday, April 6, 1901, the first session opening at 10 o'clock A. M., in the Ryerson Physical Laboratory. The Christmas meeting will be held at Northwestern University, Evanston, Ill., on Friday and Saturday, December 27 and 28. Titles, abstracts, and time requirements of papers to be read at the April meeting should be in the hands of the Secretary of the Section, for the use of the programme committee, not later than March 20.

THE January number ( volume 23, number 1 ) of the *American Journal of Mathematics* contains the following papers : "Die Typen der linearen Complexe rationaler Curven in  $R_n$ ," by S. KANTOR ; "Transformations of systems of linear differential equations," by E. J. WILCZYNSKI ; "Distribution of the ternary linear homogeneous substitutions in a Galois field into complete sets of conjugate substitutions," by L. E. DICKSON ; "Distribution of the quaternary linear homogeneous substitutions in a Galois

field into complete sets of conjugate substitutions," by T. M. PUTNAM; "On the determination and solution of the metacyclic quintic equation with rational coefficients," by J. C. GLASHAN; "Construction of the geometry of euclidean  $n$ -dimensional space by the theory of continuous groups," by E. O. LOVETT; "A table of class numbers for cubic number fields," by L. W. REID; "On certain properties of the plane cubic curve in relation to the circular points at infinity," by R. A. ROBERTS. The number also contains portraits of Professors GEORGE SALMON and MITTAG-LEFFLER.

THE following papers were read at a meeting of the London mathematical society held on January 10, 1901: "On streaming motions past cylindrical boundaries," by Professor A. E. H. LOVE; "On some cases of the solution of  $x^{n-1} \equiv 1, \text{ mod. } p$ ," by Professor F. S. CAREY; "On the zeros of Bessel's functions," by Mr. E. W. BARNES; "A proof of the third fundamental theorem in Lie's theory of continuous groups," by Mr. J. E. CAMPBELL.

AT a meeting of the Edinburgh mathematical society held on December 14, 1900, Dr. J. A. THIRD read a paper on triangles triply in perspective, and Professor R. E. ALLARDICE communicated a paper on four circles touching a common circle. At the meeting of the same society held on January 11, 1901, Professor ALLARDICE read a paper on the nine point conic.

**SYLVESTER PRIZE.** The first award of the Sylvester Prizes of the Johns Hopkins University (see the present volume of the BULLETIN, page 191) was made on February twenty-second. The prize is a handsome bronze medallion of the late Professor Sylvester, framed in oak. In the course of the ceremonies, President GILMAN announced the award as follows: "The first impression of this tablet is presented to LORD KELVIN, who lectured here on 'The nature of light' in 1884. This will be offered to Lord Kelvin, at the time of the jubilee of the University of Glasgow in June next, by a delegate from this university. The second copy of the tablet is now offered to Professor SIMON NEWCOMB, a distinguished astronomer, who has been a friend of the university from its inception, and who guided the affairs of the mathematical department for many years."

THE Prussian academy of sciences has conferred the Helmholtz medal upon Sir GEORGE GABRIEL STOKES. The

medal has hitherto been conferred only on Professor VIRCHOW and LORD KELVIN.

THE well known treatise on analysis of Professor E. PICARD is to appear in a new edition, of which the first part of the first volume has just come from the press of M. Gauthier-Villars, of Paris.

PROFESSOR GINO LORIA has issued a reprint of an academical address dealing with the history of mathematics which he recently presented to the University of Genoa, under the title "The transfigurations of a science."

IT is announced that Professor A. MAYER is to retire from the editorial board of the *Mathematische Annalen*, and that Professor D. HILBERT is to take his place. The board will thus consist of Professors F. KLEIN, W. DYCK, and D. HILBERT.

UNIVERSITY OF MUNICH.—The following courses in mathematics are offered during the summer semester, 1901: By Professor G. BAUER: Theory of algebraic plane curves; Mathematical seminar.—By Professor F. LINDEMANN: Analytical geometry of space; Definite integrals and Fourier's series; Mathematical seminar.—By Professor H. SEELIGER: celestial mechanics, second course, methods of Jacobi and Hamilton; Exercises with the instruments of the observatory.—By Professor A. PRINGSHEIM: subjects to be announced later.—By Dr. K. DÖHLEMANN: Descriptive geometry, second course, with exercises; The imaginary in geometry.—By Dr. E. VON WEBER: Encyclopædia of elementary geometry; Modern geometric theories.—By Dr. K. SCHWARZSCHILD: Methods of interpolation and mechanical integration.

PROFESSOR M. CANTOR, of Heidelberg, has been elected a correspondent of the St. Petersburg academy of sciences.

PROFESSOR H. S. WHITE, of Northwestern University, has received leave of absence and will remain abroad until October.

THE death is announced of Professor M. F. KOVALSKIJ, professor of mathematics at Charkow.