

NOTES.

AT the annual meeting of the London mathematical society held on November 14, the following officers were elected: W. BURNSIDE, president; A. E. H. LOVE and J. H. GRACE, secretaries; J. LARMOR, treasurer; two vice-presidents and ten other members of the council. The following papers were read: By J. H. MACLAGAN-WEDDERBURN, "On hyper-complex numbers"; by T. J. P. A. BROMWICH, "Addendum to a paper on the inversion of a repeated infinite integral"; by G. H. HARDY, "Generalization of a theorem in the theory of divergent series"; by W. H. YOUNG, "Uniform and non-uniform convergence and divergence of a series and the distinction between right and left"; by J. E. CAMPBELL, "Application of quaternions to the problem of the infinitesimal deformation of a surface"; by J. E. WRIGHT, "Nodal cubics through eight given points"; by H. F. BAKER, "Invariants of a binary quintic and the reality of its roots"; by E. W. BARNES, "On a transformation of hypergeometric series"; by M. J. M. HILL, "On a transformation of a certain hypergeometric series"; by J. E. LITTLEWOOD, "A general theorem of integral functions of order less than one half."

THE following parts of the *Encyklopädie der mathematischen Wissenschaften* are announced by Teubner of Leipzig to be in the press, and will probably appear during the winter: II, 1, A, 12, *Allgemeine Reihenentwickelungen*, by H. BURKHARDT; II, 2, B, 2a, *Arithmetische Theorie der algebraischen Funktionen*, by K. HENSEL; B, 3, *Elliptische Funktionen*, by J. HARKNESS and W. WIRTINGER; III, 2, C, 4, *Specielle ebene algebraische Kurven*, by G. KOHN; C, 5, *Allgemeine Theorie der höheren algebraischen Flächen*, by G. CASTELNUOVO and F. ENRIQUES; III, 3, D, 6b, *Andere Differentialgleichungen der Geometrie*, by C. GUICHARD; D, 7, *Berührungstransformationen*, by G. SCHEFFERS; IV, 1, Heft 4; IV, 1, Heft 2; IV, 2, Heft 4; IV, 2, Heft 2; V, 1, Heft 4; V, 2, Heft 3; VI, 2, Heft 2.

Of the French edition of the encyclopædia, I, 1₃, I, 2₁, I, 3₂ and I, 4₂ are in the press.

THE following additional works are in the press of Teubner; *Führer durch die mathematische Literatur für Studierende*, by F. MÜLLER; *Die Erfindung der Infinitesimalrechnung*, by G.

KOWALEWSKI; Mathematical papers of the far east, by Y. MIKAMI; Grassmann's Werke, volume 3; Didaktik der Mathematik, by A. HÖFLER; Vorlesungen über die Weierstrasssche Theorie der irrationalen Zahlen, by N. v. DANTSCHER; Mengenlehre, II, by A. SCHOENFLIES; Theorie der algebraischen Zahlen, by K. HENSEL; Beiträge zur Theorie der linearen Transformationen, by W. SCHEIBNER; Grundzüge der Differential- und Integralrechnung, by G. KOWALEWSKI; Vorlesungen über Variationsrechnung, by O. BOLZA; Lehrbuch der Variationsrechnung, by C. CARATHÉODORY and E. ZERMELO; Algebraische Funktionen und ihre Integrale, by W. WIRTINGER; Vorlesungen über darstellende Geometrie I, by F. v. DALWIGK; Leitfaden der Kartenentwurfslehre, II, by K. ZÖPPRITZ; Vorlesungen über Geometrie, I, 1₂ (second edition), by A. CLEBSCH and F. LINDEMANN; Entwicklungen nach oszillierenden Funktionen (part six), by H. BURKHARDT; Geometrie der Kräfte, by H. E. TIMERDING.

AT the recent annual meeting of the royal society of London the royal medal was awarded to Dr. E. W. HOBSON, of Cambridge University, for his contributions to mathematics, and the Sylvester medal was awarded to Professor W. WIRTINGER, of the University of Vienna, for his researches in the theory of functions.

THE city of Faenza, Italy, in which TORRICELLI was born, will commemorate the three hundredth anniversary of his birth by the publication of his complete works. Professor J. VASSURA, of the royal lyceum at Forli, has been appointed chairman of the committee of publication.

PROFESSOR K. CARDA, of the technical school at Vienna, has been appointed to a full professorship of mathematics at the technical school at Prague.

PROFESSOR ST. JOLLES, of the technical school at Charlottenburg, has been promoted to a full professorship of mathematics.

PROFESSOR G. KOWALEWSKI, of the University of Bonn, has been appointed professor of mathematics at the academy of mines at Clausthal.

DR. M. LELIEUVRE has been appointed professor of rational mechanics at the scientific school at Rouen.

DR. G. HERGLOTZ, of the University of Göttingen, has been promoted to an associate professorship of mathematics.

DR. J. PLEMELJ, of the University of Vienna, has been appointed associate professor of mathematics at the University of Czernowitz.

DR. —. ROCQUEMONT has been appointed professor of applied mathematics at the scientific school at Rouen.

DR. —. GASSER has been appointed docent in geodesy at the technical school at Darmstadt.

DR. —. SALKOWSKI has been appointed docent in descriptive geometry at the technical school at Charlottenburg.

AT Williams College, Dr. C. S. ATCHISON and Mr. G. R. CLEMENTS have been appointed instructors in mathematics.

MR. G. E. CARSCALLEN has been appointed assistant in mathematics at the University of Illinois.

DR. GEORG SIDLER, emeritus professor of mathematics and astronomy at the University of Bern, died November 9, 1907, at the age of 77 years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- BERRY (W. J.). Differential equations of the first species. New York, Van Nostrand, 1907. 12mo. Cloth.
- BOSMANS (H.). L'algèbre de J. Peletier du Mans départie en deux livres. Bruxelles, 1907. 8vo. 61 pp.
- CAIN (W.). A brief course in the calculus. New York, Van Nostrand, 1907. 12mo. 7 + 280 pp. Half leather. \$1.75
- CHINI (M.). Lezioni di algebra, ad uso dei licei. Vol. I. Livorno, Giusti, 1907. 16mo. 8 + 166 pp. L. 1.80
- EULER. Festschrift zur Feier des 200. Geburtstages Leonhard Eulers. Herausgegeben vom Vorstande der Berliner Mathematischen Gesellschaft. Leipzig, 1907. 8vo. 137 pp. M. 5.00
- FALISSE (V.). Cours de géométrie analytique plane. 6e édition. Bruxelles, 1906. 8vo. 572 pp. Fr. 7.00
- GOSIEWSKI (W.). Zasady rachunków prawdopodobieństwa. (Principes du calcul des probabilités). Warszawa, 1906. 8vo. 265 pp. M. 6.00