NOTES.

THE *American Mathematical Monthly* will hereafter be edited by Professors B. F. FINKEL and H. E. SLAUGHT, with the cooperation of Professor L. E. DICKSON. Since August, 1906, the *Monthly* has been published under the auspices of the University of Chicago.

AT the meeting of the London mathematical society held on December 13, the following papers were read : By C. S. JACK-SON, " On the form of a surface of a searchlight reflector "; by L. F. RICHARDSON, " The potential equation and others with function given on the boundary "; by J. MERCER, "On the limits of real variants "; by E. W. BARNES, " The asymptotic expansion of integral·functions defined by generalized hypergeometric series "; by P. A. McMAHON, " The diophantine equation $x^n - Ny^n = z$.

AT the meeting of delegates of associations of teachers of mathematics and the natural sciences held at Columbia University on December 27, it was decided to organize an American federation of such associations. A committee, with Professor T. S. FISKE as chairman and Professor C. R. MANN as secretary, was appointed to take charge of the preliminary steps.

A FIFTH installment of the second part of volume 10 of the *Jahresbericht der Deutschen Mathematiker-Vereinigung*, containing pages 1073–1392 of Burkhardt's Bericht über die Theorie der oscillierenden Funktionen has just appeared from the press of Teubner, in Leipzig. This does not complete the volume, as promised, however, but treats of English advances in mathematical physics up to the time of Kelvin, and the subsequent development of the theory of heat. It is proposed in the next installment to treat of each recent branch separately.

THE firm of B. G. Teubner in Leipzig announces that the following volumes of the *Mathematische Annalen*, the first edition of which was exhausted and long out of print, have been reprinted and can now be obtained for 28 marks each : volumes 3, 4, 5, 6, 7, 32, 33, 50, 51, 52, 53.

A BUST of the late Professor GUIDO HAUCK has been un-
veiled in the court of the main building of the technical school
at Charlottenburg.

A TABLET has been placed in Memorial Hall of Yale Uni-
versity in memory of ELIAS LOOMIS, LL.D., professor of natural
philosophy and astronomy from 1860 to 1889.

AT the Collège de France Dr. P. BOUTROUX has been ap-
pointed to the special lectureship established a few years ago by
M. Peccot under the condition that the appointee should be un-
der thirty years of age. The tenure of office is three years.
The preceding holders of the office are Professors Baire, Borel,
and Lebesgue and Dr. Servant.

PROFESSOR A. E. H. LOVE, of Oxford University, has been
elected president of Section A (mathematics and physics) for
the Leicester meeting of the British Association for the ad-
vancement of science.

PROFESSOR L. BIANCHI, of the University of Pisa, has been
elected a member of the Royal institute of Venice.

PROFESSOR W. FIEDLER, of the technical school at Zürich,
has been elected corresponding member of the academy of
sciences at Munich.

MR. T. FRIESENDORFF, docent in the University at St.
Petersburg, has been appointed associate professor of applied
mathematics at the technical school at St. Petersburg.

PROFESSOR M. LERCH, of the University of Freiburg,
Switzerland, has been appointed professor of mathematics at the
Bohemian technical school at Brünn.

PROFESSOR V. OPPOLZER, of the University of Innsbruck,
has been promoted to a full professorship of astronomy at the
same institution.

PROFESSOR F. STREINTZ has been promoted to a full profes-
sorship of mathematics at the technical school at Graz.

PROFESSOR H. DE VRIES, of the technical school at Delft,
has been appointed professor of mathematics at the University
of Amsterdam.

DR. N. NIELSEN, of the University of Kopenhagen, has been promoted to an associate professorship of mathematics, and elected foreign member of the academy of sciences of Halle.

DR. H. DE S. PITTARD has been appointed assistant lecturer in mathematics at King's College, London.

MR. G. G. CHAMBERS has been appointed instructor in mathematics at the University of Pennsylvania.

DR. A. W. PANTON, lecturer in mathematics at Trinity College, Dublin, and joint author of Burnside and Panton's Theory of Equations, died December 18, at the age of 60 years.

DR. THOMAS HARRISON, professor or mathematics and later chancellor of the University of New Brunswick, died September 18, 1906, at the age of 68 years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

BENDT (F.). Differential- und Integralrechnung. 3te Auflage. Leipzig, 1906. 8vo. Cloth. M. 3.00

BÜRKLEN (O. T.). Aufgabensammlung zur analytischen Geometrie des Raumes. Leipzig, Göschen, 1906. 16mo. 98 pp. Cloth. (Sammlung Göschen.) M. 0.80

BURKHARDT (H.). Funktionentheoretische Vorlesungen. 2te Auflage. Vol. II: Elliptische Funktionen. Leipzig, Veit, 1906. 8vo. 16 + 373 pp. M. 10.00

CAMPBELL (D. F.). A short course on differential equations. New York, Macmillan, 1906. 12mo. 8 + 96 pp. Cloth. $0.90

EGGENBERGER (J.). Beiträge zur Darstellung des Bernoullischen Theorems der Gammafunktion und des Laplaceschen Integrals. 2te Auflage. Jena, Fischer, 1906. 8vo. 79 pp. M. 2.50

FIELDS (J. C.). Theory of the algebraic functions of a complex variable. Berlin, Mayer & Müller, 1906. 8vo. 7 + 186 pp. M. 12.00

FUCHS (L.). Gesammelte mathematische Werke. Herausgegeben von R. Fuchs und L. Schlesinger. Vol. II : Abhandlungen 1875–1887, redigiert von L. Schlesinger. Berlin, Mayer & Müller, 1906. 8vo. 10 + 487 pp. M. 30.00