

CORRECTION.

IN my paper "On the geometry of the circle," pp. 319–322 of the May number of the current volume of the BULLETIN, a term in the transformations involved was wrong and the results are partly incorrect. The following corrections, which were kindly pointed out by Professor P. F. Smith, should be made in the paper :

P. 320, lines 7 and 10, *for* bicircular *read* binodal.

P. 321, the last paragraph is only projectively correct. There are 40 double tangents and no single foci.

P. 322, the corrections corresponding to the preceding are to be made in the case of the sphere.

The eliminant of λ, μ, \dots , pp. 320–321, contains irrelevant factors ; its reduced order is 16. The order of the surface, p. 322, reduces to 24.

VIRGIL SNYDER.

 NOTES.

THE forty-ninth annual meeting of the American association for the advancement of science was held at Columbia University, New York City, June 23–30, 1900. The presence of no less than sixteen affiliated scientific societies, among them the AMERICAN MATHEMATICAL SOCIETY, added to the interest and importance of the occasion. It was decided to hold the next meeting of the Association at Denver, Colorado, August 24th–31st, 1901. Professor CHARLES S. MINOT was elected president of the Association. The officers of Section A are : vice-president, Professor JAMES McMAHON ; secretary, Professor H. C. LORD.

AT the meeting of the Cambridge philosophical society on May 21st, the following mathematical papers were presented : "On a certain diophantine inequality," by Major P. A. MACMAHON ; "On rational space curves of the fourth order," by Mr. H. W. RICHMOND ; "On the reduction of quadrics," by Mr. T. J. I. BROMWICH.

UNIVERSITY OF CALIFORNIA.—The following courses are announced for the year 1900–1901 :—By Professor I. STRING

HAM : History of mathematics, two hours ; Logic of mathematics, two hours ; Absolute geometry, two hours ; Mathematical seminary, two hours.—By Professor M. W. HASKELL : Analytic projective geometry, three hours ; Higher geometry, three hours.—By Professor G. C. EDWARDS : Differential equations, three hours.—By Professor A. O. LEUSCHNER : Theoretical astronomy, two hours ; Perturbations, four hours.—By Mr. A. B. PIERCE : Theory of numbers, three hours.—By Dr. E. J. WILCZYNSKI : Transformation groups and differential equations, two hours.—By Mr. A. W. WHITNEY : Theory of probabilities, Life insurance, two hours.—By Dr. S. D. TOWNLEY : Method of least squares, three hours.

JOHN HOPKINS UNIVERSITY. During the year 1900–1901 the following advanced courses in mathematics are offered : —By Professor F. MORLEY : Theory of functions (second course), two hours ; Geometry (second course), three hours ; Seminary, one hour.—By Dr. A. COHEN : Theory of functions (first course), two hours ; Lie's theory of transformation groups, two hours ; Theory of numbers, three hours, first semester ; Differential equations (second course), two hours, second semester.

At a recent meeting of the Royal Society of Edinburgh, Professor A. R. FORSYTH, of the University of Cambridge, was elected as one of the British honorary fellows of the society.

THE honorary degree of doctor of science was conferred on Professor HENRI POINCARÉ, of Paris, on June 12th, by the University of Cambridge.

PROFESSOR GASTON DARBOUX was elected on May 21st to succeed the late JOSEPH BERTRAND as perpetual secretary for the section of mathematical sciences in the Paris academy of sciences. At the next meeting of the same academy, May 28th, Professor LUDWIG BOLTZMANN, of Vienna, recently called to Leipzig, was elected correspondent for the section of mechanics, in the place of the late EUGENIO BELTRAMI, of Rome ; the same honor had been bestowed at the previous meeting on Professor J. WILLARD GIBBS, of Yale University.

AMONG the recipients of honorary degrees at the recent celebration at the University of Cracow was Professor SIMON NEWCOMB.

DR. E. D. ROE, JR., has been appointed to an associate professorship of mathematics in Syracuse University. Dr.

RUTH GENTRY has been promoted to a similar position at Vassar College.

THE following academic appointments have also recently been made: Dr. W. G. BULLARD, instructor in mathematics, Syracuse University; Dr. C. C. ENGBERG, instructor in mathematics, University of Nebraska; Mr. E. B. ESCOTT and Mr. WILLIAM MARSHALL, instructors in mathematics, University of Michigan; Dr. L. W. REID, instructor in mathematics, Haverford College; Dr. ANNE L. WILKINSON, instructor in mathematics, Vassar College.

DR. MARY F. WINSTON, has resigned the professorship of mathematics at the Kansas State Agricultural College.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

BAKER (H. F.). See MEMOIRS presented, etc.

BEMAN (W. W.). See FINK (K.).

BERRY (A.), BOLTZMANN (L.), BROWN (E. W.). See MEMOIRS presented, etc.

BRÜCKNER (M.). Vielecke und Vielfache; Theorie und Geschichte. Leipzig, Teubner, 1900. 4to. 8 + 227 pp., 12 plates. Boards. M. 16.00

BURNSIDE (W.). See MEMOIRS presented, etc.

CASSIRER (E.). Descartes' Kritik der mathematischen und naturwissenschaftlichen Erkenntnis. Marburg, 1900. 8vo. 102 pp. M. 3.00

ERATOSTHENIS Catasterismorum fragmenta Vaticana, edidit A. Rehm. Praemissum est de Catasterismorum recensionibus commentariolum. Auerbach, 1900. 8vo. 26 + 18 pp.

FINK (K.). A brief history of mathematics; an authorized translation of Dr. Karl Fink's Geschichte der Elementar-Mathematik, by W. W. Beman and D. E. Smith. With biographical notes and full index. Chicago, The Open Court Publishing Co., 1900. 8vo. 12 + 333 pp. Cloth. \$1.50

FORSYTH (A. R.). See MEMOIRS presented, etc.

GRASSMANN (R.). Die Differential- und Integralrechnung bei Vermeidung der Trugschlüsse eine höchst leichte Wissenschaft. Stettin, Grassmann, 1900. 12mo. 44 pp. Boards. M. 0.40

———. Die Funktionenlehre, namentlich die Differential- und Integralrechnung in strenger Formelentwicklung. (Neue Titelausgabe von "Die Folgelehre," 1895.) Stettin, Grassmann, 1900. 8vo. 12 + 189 pp. M. 1.75