

NOTES.

ON account of war conditions the Southwestern Section of the American Mathematical Society will not hold its meeting this year. No eastern meeting will be held until April 26, 1919. The Chicago meeting in the Christmas holidays will be the annual meeting of the Society for the election of officers and other members of the Council, and will be especially marked by the retiring address of President L. E. DICKSON.

THE third summer meeting of the Mathematical Association of America was held at Dartmouth College on Thursday, Friday, and Saturday, September 5-7, 1918, immediately following the summer meeting of the American Mathematical Society at the same place. A joint dinner of the two organizations, on Thursday evening, was attended by fifty-six members and friends. At the joint session on Friday morning Professor A. G. WEBSTER gave an address on "Mathematics of warfare." The retiring address of President CAJORI: "Plans for a history of mathematics of the nineteenth century," was read by Dean G. D. Olds. The other papers on the regular programme were: "The teaching of curve tracing," by F. W. OWENS; "A formula in combinatorial analysis," by J. W. YOUNG; "Trigonometric functions—of what?," by W. B. CARVER; "Firing data at Yale," by J. K. WHITTEMORE; "A combined course in mathematics for college freshmen," by A. S. GALE; Report of the committee on mathematical requirements, by J. W. YOUNG, chairman; "Some experiments in the teaching of descriptive geometry," by F. L. KENNEDY. A very great interest was shown in the new courses for military training in the colleges, and nearly all the members present cooperated actively with a committee appointed to prepare a draft of such courses for submission to the authorities. The total attendance at the sessions numbered seventy-one, including forty-two members. Fourteen new members were elected.

THE July number of the *Transactions of the American Mathematical Society* contains the following papers: "Singular points

of analytic transformations," by W. F. OSGOOD; "Space involutions defined by a web of quadrics," by VIRGIL SNYDER and F. R. SHARPE; "On the location of the roots of the Jacobian of two binary forms, and of the derivative of a rational function," by J. L. WALSH; "Sets of independent generators of a substitution group," by G. A. MILLER; "The problem of Mayer with variable end points," G. A. BLISS.

PROFESSORS O. D. KELLOGG, of the University of Missouri, and MAX MASON, of the University of Wisconsin, are engaged in government service at the Naval Experimental Station at New London, Conn.

THE following university teachers are giving instruction in mathematics at the field artillery central officers' training school at Camp Zachary Taylor, Ky.: Dr. L. R. FORD, Harvard University; Mr. R. W. BARNARD and Professor T. H. HILDEBRANDT, University of Michigan; Mr. J. D. ESHLEMAN, University of Rochester; Dr. T. R. HOLLCROFT, Columbia University; Dr. C. E. WILDER and Professor C. H. YEATON, Northwestern University; Mr. H. E. WOLFE, University of Indiana. Mr. R. E. MOORE, University of Wisconsin, died October 2.

PROFESSOR G. N. WATSON, of Trinity College, Cambridge, and University College, London, has been appointed to the professorship of mathematics in the University of Birmingham, in succession to Professor R. S. Heath.

AT the University of Saskatchewan assistant professor L. L. DINES has been promoted to a full professorship of mathematics.

DR. R. M. WINGER, of the University of Oregon, has been appointed assistant professor of mathematics in the University of Washington.

DR. F. W. BEAL, of the University of Pennsylvania, has been appointed professor of mathematics in the University of Tennessee.

DR. L. E. WEAR, of the University of Washington, has been appointed associate professor of mathematics in Throop College.

DR. J. R. KLINE, of the University of Pennsylvania, has been appointed instructor in mathematics in the Sheffield Scientific School of Yale University.

PROFESSOR PAOLO PIZZETTI, of the University of Pisa, died April 14, 1916, at the age of fifty-eight years.

BOOK CATALOGUES: Galloway and Porter, Cambridge, England, catalogue 93, about 100 titles in mathematics and physics.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- BIANCHI (L.). *Lezioni sulla teoria dei gruppi continui finiti di trasformazioni.* Pisa, E. Spoerri (F. Mariotti), 1918. 8vo. 6 + 590 pp. L. 25.00
- CANDIDO (G.). *La risultante di due quadratiche.* Livorno, tip. R. Giusti, 1918. 4to. 26 pp.
- CHISINI (O.). See ENRIQUES (F.).
- COLPITTS (J. T.). See ROBERTS (M. M.).
- ENRIQUES (F.). *Conferenze sulla geometria non-euclidea, per cura del O. Fernandez.* Bologna, Zanichelli, 1918. 8vo. 46 pp. L. 3.00
- . *Lezioni sulla teoria geometrica delle equazioni e delle funzioni algebriche, pubblicate per cura O. Chisini. Volume 2.* Bologna, Zanichelli, 1918. 8vo. 713 pp. L. 25.00
- FERNANDEZ (O.). See ENRIQUES (F.).
- GAUSS (C. F.). *Werke. Herausgegeben von der Königlichen Gesellschaft der Wissenschaften zu Göttingen. 10ter Band, 1te Abteilung.* Leipzig, Teubner, 1917. 4to. 586 pp.
- HUYGENS (C.). *Du calcul dans les jeux de hasard, rédigé par D. J. Korteweg.* La Haye, Martinus Nijhoff, 1917. 4to. 179 pp.
- KORTEWEG (D. J.). See HUYGENS (C.).
- PASCAL (E.). *Lezioni di calcolo infinitesimale. Parte 1: Calcolo differenziale. 4a edizione riveduta. (Manuale Hoepli.)* Milano, Hoepli, 1918. 24mo. 12 + 313 pp. L. 4.50
- PEZZO (P. DEL). *Principi di geometria proiettiva: lezioni dettate nell'università di Napoli nell'anno 1917-1918.* Napoli, tip. B. De Rubertis, 1918. 8vo. 116 pp.
- ROBERTS (M. M.) and COLPITTS (J. T.). *Analytic geometry.* New York, Wiley, 1918. 10 + 229 pp. \$1.60
- TORELLI (G.). *Lezioni di calcolo infinitesimale date nella r. università di Napoli.* Napoli, tip. Accademia r. delle Scienze fisiche e matematiche, 1918. 8vo. 4 + 424 pp. L. 20.00