NOTES

The July, 1927, number of the Transactions of this Society (volume 29, No. 3) contains the following papers: *The contact of a cubic surface with an analytic surface*, by E. P. Lane; *Dynamical space-times which contain a conformal euclidean 3-space*, by H. P. Robertson; *Reduction of the ordinary linear differential equation of the nth order whose coefficients are certain polynomials in a parameter to a system of n first-order equations which are linear in the parameter*, by C. E. Wilder; *On the "third axiom of metric space,"* by V. W. Niemytzki; *Implicit functions and differential equations in general analysis*, by L. M. Graves; *Concerning acyclic continuous curves*, by H. M. Gehman; *On a general formula in the theory of Tchebycheff polynomials and its applications*, by J. Shohat; *A factorization theory for functions* $\sum_{i=1}^{n} a_i e^{\alpha_i x}$, by J. F. Ritt; *Arithmetic of logic*, by E. T. Bell; *Functionals of r-dimensional manifolds admitting continuous groups of point transformations*, by A. D. Michal. The October, 1927, number contains: *The differential equation of the elliptic cylinder*, by J. H. McDonald; *On a class of integral equations with discontinuous kernels*, by R. E. Langer and E. P. Brown; *Some third-order irregular boundary value problems*, by L. E. Ward; *Concerning point sets which can be made connected by the addition of a simple continuous arc*, by G. T. Whyburn; *The Notion of Green's function in the theory of integro-differential equations*, by J. D. Tamarkin; *A general theory of nets on a surface*, by V. G. Grove; *Simply transitive primitive groups*, by W. A. Manning; *The expansion problems associated with regular differential systems of the second order*, by M. H. Stone; Errata, volumes 21, 28, 29.

The July, 1927, number of the American Journal of Mathematics (volume 49, No. 3) contains the following papers: *Linear ordinary self-adjoint differential equations of the second order*, by Anna Pell Wheeler; *The singularities of a function defined by a Dirichlet series*, by D. V. Widder; *On entire function interpolation*, by I. M. Sheffer; *Optics in space of constant non-vanishing curvature*, by J. Pierpont; *On an imprimitive group of order 5134*, by J. R. Musselman; *Rational involutorial transformations in S_4 which leave invariant ∞^4 quadric varieties*, by H. C. Shaub; *A three-dimensional quartic variety in four-space*, by B. C. Wong; *Compound singularities of the rational plane quartic curve*, by J. H. Neelley; *Pencils of conics in the Galois fields of order 2^n*, by A. D. Campbell; *On generalized lacunae*, by J. J. Gergen; *Properties of certain aggregate functions*, by L. S. Hill; *The theory of group-reduced distributions*, by J. H. Redfield; *Closure of the tangential process on the rational plane cubic*, by F. E. Allen.

At the meeting of the Society to be held in Chicago on April 6–7, Professors E. P. Lane and E. B. Stouffer will be the principal speakers at a symposium entitled Recent developments in projective differential geometry.

The following schedule of lectures has already been arranged for Professor Constantin Carathéodory, of the University of Munich, who will be the first Visiting Lecturer of this Society. (See page 22 of this number of this Bulletin.) The University of Pennsylvania, January 10–13; Ohio State University, January 16–17; The University of Iowa, January 19–20; The University of Chicago, January 23–24; The University of Michigan, January 25–27; Adelbert College, January 30–31; Cornell University, February 1–2. After these lectures, Professor Carathéodory will be in residence at Harvard University until about June 1. Arrangements for additional lectures will be announced later.

The Lobachefsky prize of the Physico-Mathematical Society of Kazan has been awarded to Professor Hermann Weyl, of the Zurich Technical School, for his work as a whole and in particular for his contributions to the problems of space from the point of view of the theory of groups and for his researches on the representation of continuous groups. Earlier awards of this prize were to Lie in 1897, Killing in 1900, and Hilbert in 1903.

Cambridge University has awarded its John Winbolt prize in engineering jointly to C. Hinton, of Trinity College, and W. R. D. Manning, of Sidney Sussex College, for a dissertation on *Transverse oscillation of bridges*.

The Royal Academy of Madrid has announced the following subject for a prize memoir for 1927: *An exposition of the fundamental principles of analysis situs and its most important applications*; competition restricted to the Spanish, Portuguese, and Spanish Americans.

The Reale Accademia dei Lincei has elected Professor Giovanni Georgi, of the University of Cagliari, a correspondent in the section of mechanics, and Professor N. E. Nörlund, of the University of Copenhagen, a foreign member in the section of mathematics.

Professor Rudolf Mehmke has received the honorary degree of doctor of engineering from the Stuttgart Technical School, on the occasion of his seventieth birthday.

The University of Bristol, on the occasion of the opening of its new physics laboratory, has conferred honorary doctorates on Professor Max Born, of Göttingen, Sir William Bragg, of the Royal Institution, London, Professors A. S. Eddington, of Cambridge, Alfred Fowler, of the Imperial College of Science and Technology, and Paul Langevin, of Paris, and Sir Ernest Rutherford, of Cambridge.

The University of Toronto has conferred an honorary doctorate of science on Professor Louise D. Cummings, of Vassar College.

Dr. Paul Alexandroff, of Moscow, and Dr. Heinze Hopf, of Berlin, have been granted International Education Board fellowships for 1927–28, for the purpose of becoming acquainted with the work of American mathematicians in the field of analysis situs. They will study at Princeton and Harvard.

The following have been appointed National Research Fellows in mathematics for 1927–28 (this list includes reappointments): W. L. Ayres, R. W. Barnard, Alonzo Church, C. M. Cramlet, Jesse Douglas, D. A. Flanders, Orrin Frink, G. M. Merriman, T. W. Moore, Hillel Poritsky, H. P. Robertson, C. F. Roos, I. M. Sheffer, M. M. Slotnick, W. M. Whyburn.

Dr. F. Hund, of Göttingen, has been called to an associate professorship of theoretical physics at the University of Rostock.

Professor Robert König, of the University of Münster, has been appointed professor of mathematics at the University of Jena.

Dr. Maximilian Krafft has been appointed associate professor of mathematics at the University of Marburg.

Professor E. Salkowski, of Hannover, has been called to the professorship of descriptive geometry and practical mathematics at the Charlottenburg Technical School.

Dr. Erich Schönhardt has been appointed associate professor of mathematics at the University of Tübingen.

Professor Alois Timpe, of the Berlin Agricultural School, has been appointed professor of mathematics at the Charlottenburg Technical School.

The following have been admitted as private docents: Dr. F. K· Schmidt, in mathematics, at the University of Erlangen; Frau Hilda Pollaczek-Geiringer, in applied mathematics, at the University of Berlin.

Dr. Peter Debye, professor of physics at the Zurich Technical School, has accepted a call to the University of Leipzig, as successor to Professor Otto Wiener.

Dr. W. Saxer has been appointed professor of descriptive geometry at the Zurich Technical School.

Professor Giulio Pittarelli, of the chair of descriptive geometry at the University of Rome, has retired.

Miss Gwenthalyn Jones, of Chicago, has presented Princeton University with $200,000 for the endowment of a professorship of mathematical physics; the chair will be named after her uncle, Thomas D. Jones, of the Princeton class of 1876.

Dr. Ethel L. Anderton has been promoted to an assistant professorship of mathematics at Smith College.

Dr. Tobias Dantzig, professor of mathematics at the University of Maryland, will conduct a course in advanced mathematics for physicists and chemists at the Bureau of Standards during the year 1927–28.

Professor H. C. Gossard, of the University of Wyoming, has been appointed professor of mathematics and dean of men at Nebraska Wesleyan University.

Dr. Harold Hotelling, research associate in the Food Research Institute until the fall of 1927, has been appointed associate professor of mathematics at Stanford University.

Professor F. R. Moulton, director of the department of astronomy at the University of Chicago, has resigned, to become associated in an executive capacity with the Utilities Power and Light Corporation of Chicago.

Dr. B. C. Patterson has been appointed associate professor of mathematics at Hamilton College.

Associate Professor J. B. Reynolds, of Lehigh University, has been promoted to a full professorship of mathematics and theoretical mechanics.

Miss Georgia E. Robinson has been appointed professor of physics at Ozark Wesleyan College.

Dr. G. T. Whyburn has been appointed assistant professor of mathematics at the University of Texas.

The following appointments to instructorships in mathematics are announced.
Amherst College, Mr. B. LeF. Brown;
University of Chicago, Mr. T. F. Cope.

Professor Svante Arrhenius, director of the Nobel Institute, Stockholm, died October 2, 1927, at the age of sixty-eight.

Miss A. L. Van Benschoten, formerly professor of mathematics at Wells College, died September 18, 1927. Professor Van Benschoten had been a member of the American Mathematical Society since 1903.