NOTES

The third number of volume 24 of the TRANSACTIONS OF THIS SOCIETY (October, 1922) contains the following papers: *On the location of the roots of certain types of polynomials,* by J. L. Walsh; *A note on the preceding paper,* by D. R. Curtiss; *Determination of all general homogeneous polynomials expressible as determinants whose elements are homogeneous polynomials,* by H. S. Everett; *General vector calculus,* by J. B. Shaw.

The Nobel prize in physics for 1923 has been awarded to Professor R. A. Millikan, of the California Institute of Technology.

The Royal Society of London has conferred its Copley medal on Professor Horace Lamb, for his researches in mathematical physics, and its Hughes medal on Professor R. A. Millikan, for his determination of the electronic charge and other physical constants.

The University of Paris has conferred honorary doctorates on Professor S. Arrhenius, of Stockholm, and Sir J. J. Thomson, of Cambridge.

Professor G. D. Birkhoff, of Harvard University, delivered a series of six lectures at the Lowell Institute, Boston, in December, 1923, on *The origin, nature and influence of relativity.*

Professor J. A. Miller, of Swarthmore College, lectured October 25 on *The solar eclipse of* 1923 before the Franklin Institute.

Professor C. W. L. Charlier, of the University of Lund, will lecture at the University of California during the summer of 1924, on *The motion of the stars,* and *The distribution of the stars.*

Dr. J. Trousset, maître de conférences in mathematics at the University of Bordeaux, has been promoted to a professorship.

Mr. R. R. S. Cox has been appointed assistant lecturer and tutor in mathematics at the University of Sheffield.

Dr. B. de Kerékjártó has been appointed lecturer in mathematics at Princeton University.

Mr. H. S. Vandiver, of Cornell University, has been granted leave of absence for research during the second half of the academic year, through a grant from the Heckscher Foundation.

At the University of Vermont, Mr. H. G. Millington has been promoted to an assistant professorship of mathematics in the College of Engineering.

At Swarthmore College, Mr. L. J. Comrie has been promoted from the position of research assistant in the Observatory to an assistant professorship of mathematics and astronomy.

At Lafayette College, Associate Professor W. M. Smith has been granted a six months' leave of absence for study at Oxford and Cambridge.

Mr. F. W. Winters, of Harvard University, has been appointed assistant professor of mathematics at Miami University.

Mr. R. H. MacCullough has been appointed head of the department of mathematics at Defiance College (Ohio).

Dr. H. P. Pettit, of the University of Illinois, has been appointed professor of mathematics and head of the department at Illinois Wesleyan University.

Dr. Marie Whelan, of Johns Hopkins University, has been appointed professor of mathematics at Olivet College (Michigan).

At the Michigan State Normal College, Ypsilanti, Dr. Theodore Lindquist, formerly head of the department of mathematics, State Teachers' College, Emporia, Kansas, has been appointed professor of mathematics, and Associate Professor J. F. Barnhill has been promoted to a full professorship.

At Beloit College, Mr. R. F. Huffer, formerly instructor at Michigan Agricultural College, has been appointed assistant professor.

At Kentucky Wesleyan College, Mr. W. B. Hughes has been appointed to succeed Professor R. G. Demaree as head of the department of mathematics.

At Lander College, Greenwood, South Carolina, Professor W. W. Weber, of Southern College, Lakeland, Florida, has been appointed head of the department of mathematics, and Miss Laura D. Sargent has been appointed associate professor.

Professor C. S. Cox, of Birmingham Southern College, has been appointed head of the department of mathematics and physics at Southern College, Lakeland, Florida.

At Washington University, Assistant Professor Theodore Doll has resigned; Dr. Jessica M. Young has been promoted to an assistant professorship of mathematics and astronomy; and Mr. Edmond Siroky has been appointed assistant professor of applied mathematics.

Associate Professor W. T. Stratton, of Kansas State Agricultural College, has been promoted to a full professorship of mathematics.

At the University of Oklahoma, Professor S. W. Reaves, head of the department of mathematics, has been appointed acting dean of the College of Arts and Sciences. Associate Professor J. O. Hassler has been promoted to a full professorship, and Assistant Professor N. A. Court has been promoted to an associate professorship.

At Oklahoma Agricultural and Mechanical College, Mr. G. B. Grumbine has been appointed professor of mathematics, and Mr. W. C. Payne assistant professor.

At the Agricultural and Mechanical College of Texas, Assistant Professor W. I. Hughes has resigned, and Mr. F. W. Sparks has been appointed assistant professor.

The following have been appointed instructors in mathematics:
Beloit College, Mr. William Oliver and Miss Irene Eldridge;
Case School of Applied Science, Mr. V. L. Benander;
Cornell University, Dr. E. L. Post;
Illinois College, Mr. G. W. Schneider;
Lafayette College, Mr. E. H. Wells;
University of North Dakota, Messrs. S. F. Bibb and J. F. Gates;
University of Tennessee, Mr. Augustus Link;
Agricultural and Mechanical College of Texas, Mr. W. D. Baten and Dr. W. P. Udinski;
Tulane University, Messrs. C. G. Latimer and T. F. Cope;
Union College, Mr. H. N. Rowe;
University of Vermont, Mr. C. H. Nicholson;
Virginia Polytechnic Institute, Mr. T. A. Hatcher;
Washington State College, Mr. O. M. Akey;
Washington University, Mr. H. A. Hoover;
University of West Virginia, Mr. Claire Haskins.

The deaths are announced of Professors P. J. H. Baudet and J. Cardinaal, of the Technical School at Delft.

Professor G. Huber, of the University of Bern, died January 24, 1923, at the age of sixty-five years.

Professor Louis Bertrand, formerly of the College of Geneva, died March 13, 1923, in his eighty-third year.

Charles de Freycinet, member of the Paris Academy of Sciences and of the Académie Française, died May 15, 1923, at the age of ninety-five years. He was the author of a number of mathematical books, and had frequently held high political office.

Professor E. Jablonski, of the Lycée Saint-Louis, Paris, died at Royan in April, 1923.