

NOTES

The second number of volume 26 of the TRANSACTIONS OF THIS SOCIETY (April, 1924) contains the following papers: *On the expansion of analytic functions in series of polynomials*, by J. L. Walsh; *Operations with respect to which the elements of a boolean algebra form a group*, by B. A. Bernstein; *Isometric W -surfaces*, by W. C. Graustein; *Space time continua of perfect fluids in general relativity*, by L. P. Eisenhart; *Equivalent rational substitutions*, by J. F. Ritt; *Extension of Bernstein's theorem to Sturm-Liouville sums*, by E. Carlson; *An existence theorem*, by E. Hille; *On the complete independence of the postulates for betweenness*, by W. E. Van de Walle; *A new set of postulates for betweenness, with proof of complete independence*, by E. V. Huntington.

The third number of volume 46 of the AMERICAN JOURNAL OF MATHEMATICS contains: *Geometric aspects of the abelian modular functions of genus four*, by A. B. Coble; *The curve of ambience*, by F. Morley; *On a class of invariant subgroups of the conformal and projective groups in function space*, by I. A. Barnett.

The second number of volume 25, series 2, of the ANNALS OF MATHEMATICS contains: *A contribution to the theory of closed chains*, by A. Arwin; *On the characterization of the set of points of λ -continuity*, by H. Blumberg; *On the Ampère-Cauchy derived functions*, by H. L. Smith; *Note on certain seminvariants of n -lines*, by L. P. Copeland; *The Fredholm theory of Stieltjes integral equations*, by C. A. Fischer; *Rectilinear congruences referred to special surfaces*, by M. C. Foster; *Parallel propagation of a vector around an infinitesimal circuit in an affine manifold*, by J. L. Synge.

In 1918 the Mathematical Society of Charkow found it impossible to continue the publication of its COMMUNICATIONS. After an interval of more than five years a new journal has now been founded, under the auspices of this Society and edited by Professor S. Bernstein; it is called SECTION MATHÉMATIQUE DES ANNALES SCIENTIFIQUES DES INSTITUTIONS SAVANTES DE L'UKRAINE.

Another new mathematical journal, ARCHIMEDE, RASSEGNA BIMESTRALE DI MATEMATICA, FISICA E INGEGNERIA, has recently been founded at Palermo, as the organ of the Società Universitaria di Scienze Matematiche. It is edited by G. Priulla.

At the meeting of the British Association for the Advancement of Science at Toronto in August, 1924, Professor Horace Lamb was elected president, for the meeting to be held in Southampton in 1925. Sir W. H. Bragg, as president of the section of mathematical and physical sciences, delivered an address on *Crystal structure*. On the

occasion of this meeting, the University of Toronto conferred the honorary degree of doctor of science on Sir Ernest Rutherford, retiring president of the Association.

Among the officers of the National Research Council for 1924-25 are the following: Dr. G. E. Hale, honorary chairman; Professor A. A. Michelson, first vice-chairman; Professor R. A. Millikan, third vice-chairman and chairman of the division of foreign relations; Professor J. S. Ames, chairman of the division of physical sciences.

Professor J. C. McLennan, of the University of Toronto, has been elected president of the Royal Society of Canada.

On the occasion of his seventy-fifth birthday, Professor Felix Klein was elected honorary member of the *Deutsche Mathematiker-Vereinigung* and of the *Gesellschaft für angewandte Mathematik und Mechanik*, and received the honorary degree of doctor *rerum politicarum* from the University of Berlin.

Professor R. A. Millikan, of the California Institute of Technology, has received the honorary degree of doctor of science from Trinity College, Dublin.

Professor A. S. Eddington, of Cambridge University, has been elected an honorary member of the American Astronomical Society.

Professor M. I. Pupin, of Columbia University, has received the honorary degree of doctor of science from Princeton University.

The private scientific library of the late Professor A. G. Webster, of Clark University, has been purchased by the Riverbank Laboratories, Geneva, Illinois, and is now housed there as a separate collection.

The two Benjamin Peirce Instructorships in Mathematics at Harvard University (see this *BULLETIN*, vol. 21, p. 315) are again open for general competition. Applications for the year 1925-26, accompanied by the necessary papers, should reach Professor Birkhoff not later than February 15, 1925, and all inquiries relating to these appointments should be addressed to him.

Professors M. Amaldi, of the University of Padua, and L. Silla, of the University of Genoa, have been transferred to the Higher School of Architecture, recently established at Rome.

Associate Professor R. Wavre has been promoted to a full professorship at the University of Geneva.

The following have been admitted as *privat-docents*: D. Gigli, at the University of Pavia; A. Hammerstein, at the University of Berlin.

Dr. B. B. Baker, of the University of Edinburgh, has been appointed professor of mathematics at Royal Holloway College, University of London.

Dr. S. Brodetsky, of the University of Leeds, has been promoted to the chair of applied mathematics.

Professor Sydney Chapman, of the University of Manchester, has been appointed successor to Professor A. N. Whitehead as chief professor of mathematics at the Imperial College of Science and Technology, South Kensington.

Dr. T. M. Cherry has been appointed associate professor of applied mathematics at the University of Manchester.

Mr. E. A. Milne, of the Solar Physics Laboratory at Cambridge, has been appointed to the Beyer chair of applied mathematics at the University of Manchester.

Miss Katherine S. Arnold, for the past three years professor of mathematics at Constantinople Woman's College, has been appointed a member of the administrative staff of the American Association of University Women, effective September, 1924.

Mr. E. F. Baxter has been appointed assistant lecturer in mathematics at the University of Sheffield.

At Bryn Mawr College, Professor Charlotte A. Scott has retired; she is succeeded as head of the department of mathematics by Professor Anna J. Pell. Dr. D. V. Widder has been appointed associate in mathematics.

Mrs. Ethelwyn R. Beckwith has been appointed professor of mathematics at the College for Women, Western Reserve University, for 1924-25, to serve during the sabbatical leave of Professor Anna H. Palmié.

Dr. H. E. Bray, of Rice Institute, has been promoted to an assistant professorship of mathematics.

Miss Evelyn T. Carroll, of Wells College, has been promoted to an assistant professorship of mathematics.

Professor E. C. Coker, of Winthrop College, has been appointed professor of mathematics and astronomy at the University of South Carolina.

Assistant Professor A. R. Crathorne, of the University of Illinois, has been promoted to an associate professorship of mathematics.

Professor Ira M. De Long, who retires this year, on a Carnegie pension, as Professor and Head of the Department of Mathematics at the University of Colorado, has been elected President of the Mercantile Bank and Trust Company of Boulder, Colorado.

Miss Leslie Gaylord, of Agnes Scott College, has been promoted to an assistant professorship of mathematics.

Assistant Professor Lachlan Gilchrist, of the University of Toronto, has been promoted to an associate professorship of physics.

Assistant Professor W. H. Hill, of the State Teachers' College of Pittsburg, Kansas, has been promoted to an associate professorship of mathematics.

Professor J. M. Howie, of Alma College, has been appointed head of the department of mathematics at Nebraska Wesleyan University.

Dr. J. H. Jeans, of Cambridge University, has been appointed research associate at Mount Wilson Observatory.

Associate Professor A. S. Merrill, of the University of Montana, has been promoted to a full professorship of mathematics.

Miss Georgia E. Robinson, of the University of Missouri, has been appointed acting head of the department of mathematics at Shorter College, Rome, Georgia.

Mr. J. C. Tinner has been appointed professor of mathematics at Wilberforce University.

Mr. W. M. Whyburn, of the South Park Junior College, Beaumont, Texas, has been appointed assistant professor of mathematics at Texas Agricultural and Mechanical College.

The following appointments to instructorships are announced:

Amherst College, Mr. C. S. Porter;

Brooklyn Polytechnic Institute, Mr. D. H. MacPherson;

Bryn Mawr College, Miss Anna M. Lehr;

Coker College, Miss Nellie C. Stokes;

Colorado School of Mines, Mr. E. P. Martinson;

Cornell University, Mr. H. A. Hoover;

University of Iowa (astronomy) Dr. D. H. Menzel;

Hood College, Miss Evelyn P. Wiggin;

Lehigh University, Mr. C. A. Balof;

University of Oklahoma, Mr. A. E. Anderson;

Purdue University, Mr. J. C. Bennett;

University of Wisconsin, Mr. H. S. Pollard.

Professor August Gutzmer, of the University of Halle, died May 10, 1924, at the age of sixty-four. He had been on the editorial staff of the *Jahresbericht der Deutschen Mathematiker-Vereinigung* since 1894, and was sole editor from 1901 to 1921.

Lucien de la Rive, the Swiss mathematical physicist, died at Geneva May 4, 1924, at the age of ninety years.

Professor T. Kotof, of the University of Charkow, died in 1923, at the age of twenty-eight years.

Professor R. H. Jude, of Rutherford College, Newcastle-on-Tyne, died June 1, 1924, at the age of seventy.

Mr. Charles Leudesdorf, registrar of Oxford University and author of mathematical papers, died August 10, 1924, at the age of seventy-one.

Professor J. G. Longbottom, of the department of mechanics at the Royal Technical College, Glasgow, died June 6, 1924, at the age of fifty-four.