

## NOTES

The Oxford University Press has arranged to continue the Quarterly Journal of Mathematics and The Messenger of Mathematics as a single journal, to be called The Quarterly Journal of Mathematics (Oxford Series). The editors will be T. W. Chaundy, E. G. C. Poole, and W. L. Ferrar.

The former students of Professor E. L. Lindelöf, of the University of Helsingfors, have published a volume in his honor entitled *Commentationes in Honorem E. L. Lindelöf a Discipulis Editae*.

The Mathematical Society of Kharkow passed its fiftieth anniversary in September, 1929. A meeting was held to celebrate this anniversary on June 26, 1930, during the session of the Congress of Mathematicians of the USSR held at Kharkow. Foreign mathematical societies were invited to send delegates.

The Sociedad Científica "Antonio Alzate" will hold a scientific congress in the City of Mexico, September 9–14, 1930. There will be a section devoted to the mathematical sciences. Foreign mathematicians are invited to attend.

The Reale Accademia Petrarca di Lettere, Scienze ed Arti has presented a gold medal to Professor Francesco Severi.

The class of physical sciences of the Royal Academy of Bologna announces the following subjects for its Adolfo Merlani prize: *The iteration of rational functions; Conformed representation*. Competition closes December 31, 1930.

Cambridge University has awarded Smith's prizes to R. E. A. C. Paley and J. A. Todd, and Rayleigh prizes to W. R. Andress and L. C. Young, all of Trinity College.

The Duddell medal of the London Physical Society for 1930 has been awarded to Professor A. A. Michelson, of the University of Chicago. This medal is given for the invention or design of scientific instruments or the discovery of material used in their construction.

The Royal Society of Edinburgh has awarded its James Scott prize for the period 1927–30 to Professor Niels Bohr.

Dr. A. T. Doodson, of the Liverpool Observatory and Tidal Institute, has been awarded the Gray Navigation Prize of the Society of Arts for his work on the analysis and prediction of tidal currents.

The Daniel Guggenheim gold medal for aeronautics has been awarded to Professor Ludwig Prandtl, of the University of Göttingen, for "pioneer and creative work in the theory of aerodynamics."

The New York Academy of Sciences announces the following subject for its A. Cressy Morrison Prize I: *What may be proved from our present knowledge*

as to the possibility or impossibility of released intra-atomic energy constituting an important source of solar and stellar energy. Competing memoirs should reach the Secretary of the Academy by November 1, 1930.

Professor A. E. H. Love, of Oxford University, has been elected correspondent of the Paris Academy of Sciences in the section of mechanics, as successor to the late Sir George Greenhill.

Professor A. S. Eddington has been elected president of the London Physical Society.

Professor T. P. Nunn has been raised to the knighthood.

Professor Albert Einstein has been elected a foreign member of the American Philosophical Society.

The following have been elected members of the National Academy of Sciences: Professor J. W. Alexander, of the department of mathematics of Princeton University; Professor Harry Bateman, of the department of mathematics of the California Institute of Technology; Professor P. S. Epstein, of the department of mathematical physics of the California Institute of Technology.

Professor Enrico Bompiani, of the University of Rome, has recently delivered the following lectures as visiting lecturer of the American Mathematical Society: Differential Equations and Projective Geometry, at Harvard University on May 14; Differential Equations and Projective Geometry, at Columbia University on May 16; A Contribution to the Geometry of Paths, at Princeton University on May 19; Projective Differential Geometry and the Italian School (two lectures), at Cornell University on May 21, 22; What is Geometry, at the Ohio State University on May 28; Italian Contributions to Modern Mathematics, at the University of Iowa on June 30; What is Geometry, Italian Contributions to Modern Mathematics, at the University of Chicago on July 1, 8. During the present Summer Quarter, Professor Bompiani is lecturing at the University of Chicago on Analytic Projective Geometry and on Projective Differential Geometry of Hyperspaces. From October 5 to November 12, he will lecture at Johns Hopkins University on the Differential Equations of Projective Geometry.

Professor Oswald Veblen, of Princeton University, delivered the annual William Lowell Putnam Lecture at Harvard University on April 10 on the subject *Five-dimensional relativity*.

Professors P. W. Bridgman, of Harvard University, and Stephen Timoshenko, of the University of Michigan, are among the members of the newly formed scientific advisory board of the Westinghouse Research Laboratories.

Dr. J. Frenkel, professor of theoretical physics at the Polytechnic Institute of Leningrad, will lecture on wave mechanics and conduct a seminar on problems in modern physics at the University of Minnesota during the academic year 1930-31.

Dr. Karl Menger, of the University of Vienna, has been appointed lecturer in mathematics at Harvard University for the first half of the year 1930-31.

Dr. J. A. Schouten will deliver a series of informal lectures at Harvard University in the fall of 1930.

The following mathematicians have been awarded Guggenheim fellowships for 1930: Professor A. N. Gándara, of the National Preparatory School of Mexico, for studies in differential geometry and harmonic analysis at the Massachusetts Institute of Technology; Professor H. S. Vandiver, of the University of Texas, for research in Europe on Fermat's Last Theorem, laws of reciprocity, and related topics in the theory of algebraic numbers.

Professor Theodor Vahlen, of the University of Greifswald, has been appointed professor of mathematics at the Vienna Technical School.

Professor O. Volk, of the Lithuanian University in Kovno, has been appointed associate professor of mathematics at the University of Würzburg.

Mr. A. E. Ingham, reader in mathematics at the University of Leeds, has been elected a fellow and lecturer at King's College, Cambridge.

Professor C. L. Arnold, of the Ohio State University, has retired from active teaching. He was given the rank of professor emeritus.

Dr. L. A. Bauer, director of the Department of Terrestrial Magnetism at Washington, has retired.

Dr. J. H. Bushey has been appointed to an assistant professorship in mathematics at Hunter College of the City of New York.

Assistant Professor W. F. Cheney, of Tufts College, has been appointed head of the department of mathematics at the Connecticut Agricultural College.

Dr. Alonzo Church has been appointed assistant professor of mathematics at Princeton.

Dr. T. F. Cope has been appointed assistant professor and head of the department of mathematics at Marietta College.

Associate Professor Louise D. Cummings, of Vassar College, has been promoted to a professorship of mathematics.

Dr. H. B. Curry has been appointed assistant professor of mathematics at Pennsylvania State College.

Dr. Marguerite D. Darkow has been promoted to an assistant professorship in mathematics at Hunter College of the City of New York.

Dr. J. Douglas has been appointed assistant professor of mathematics at the Massachusetts Institute of Technology. In April, 1930, Dr. Douglas presented his work in the geometry of paths before Professor Bompiani's class at the University of Rome.

Professor W. E. Edington, of Purdue University, has been appointed professor and head of the department of mathematics at DePauw University.

Dr. B. P. Gill has been promoted to an assistant professorship of mathematics at the College of the City of New York.

Dr. E. L. Hill has been appointed assistant professor of theoretical physics at the University of Minnesota.

Assistant Professor B. P. Hoover, of the Carnegie Institute of Technology, has been promoted to an associate professorship of mathematics.

Dr. Jewell C. Hughes has been appointed to an assistant professorship in mathematics at Hunter College of the City of New York.

Assistant Professor R. P. Johnson, of the Carnegie Institute of Technology, has been promoted to an associate professorship of mathematics.

Assistant Professor R. B. Lindsay, of Yale University, has been appointed associate professor of theoretical physics at Brown University.

Associate Professor P. H. Linehan, of the College of the City of New York, has been promoted to a professorship of mathematics.

Associate Professor M. L. MacQueen, of Southwestern University, has been promoted to a professorship of mathematics.

Assistant Professor Florence M. Mears, of Pennsylvania State College, has been appointed assistant professor of mathematics at George Washington University.

Dr. T. W. Moore has been appointed assistant professor of mathematics at Indiana University.

Associate Professor Marston Morse has been promoted to a professorship of mathematics at Harvard University.

Associate Professor E. J. Oglesby, of Washington Square College, New York University, has been promoted to a professorship of mathematics.

Dr. G. A. Parkinson has been promoted to an associate professorship of mathematics in the extension division of the University of Wisconsin at Milwaukee.

Dr. I. I. Rabi has been promoted to an assistant professorship of theoretical physics at Columbia University.

Mr. L. H. Rice, of the Massachusetts Institute of Technology, has been promoted to an assistant professorship of mathematics.

Dr. J. H. Roberts has been appointed adjunct professor of mathematics at the University of Texas.

Assistant Professor George Rutledge, of the Massachusetts Institute of Technology, has been promoted to an associate professorship of mathematics.

Mr. George Sauté has been appointed assistant professor of mathematics at Cleveland College.

Mr. C. N. Shuster has been promoted to an assistant professorship of mathematics at the State Teachers College at Trenton, N. J.

Dr. C. H. Smiley has been appointed assistant professor of mathematics at Brown University.

Mr. I. S. Sokolnikoff has been promoted to an assistant professorship of mathematics at the University of Wisconsin.

Dr. E. H. Taylor has been promoted to a professorship of mathematics at the Eastern Illinois State Normal College.

Assistant Professor R. W. Veatch, of Ursinus College, has been appointed assistant professor of mathematics at the University of Oklahoma.

Assistant Professor J. L. Walsh has been promoted to an associate professorship of mathematics at Harvard.

Dr. Dorothy W. Weeks has been appointed professor of physics at Wilson College.

Assistant Professor E. A. Whitman, of the Carnegie Institute of Technology, has been promoted to an associate professorship of mathematics.

Associate Professor D. V. Widder, of Bryn Mawr College, has been promoted to a professorship of mathematics.

Associate Professor Mabel M. Young, of Wellesley College, has been promoted to a professorship of mathematics.

The following appointments to instructorships are announced:  
Catholic University of America: Mr. E. J. Finan;  
Columbia University: Mr. Samuel Borofsky, Dr. A. B. Brown;  
Cornell University: Dr. L. A. Dye;  
College of the City of Detroit: Mr. W. L. Duren, Jr., Mr. H. H. Pixley;  
Harvard University: Dr. J. J. Gergen and the following part-time instructors: D. P. Adams, A. E. Anderson, J. S. Frame, C. B. Morrey, L. T. Moston, S. B. Meyers, G. B. Price, G. B. VanSchaak, Hassler Whitney;  
Hunter College: Dr. R. Lucile Anderson, Dr. L. G. Pooler (department of physics);  
University of Michigan: Dr. T. S. Peterson;  
Muhlenberg College: Mr. T. L. Koehler;  
University of New Mexico: Mr. Gordon Fuller;  
Oberlin College: Dr. Mildred Allen (research instructor);  
Ohio State University: Dr. H. P. Thielman.

Dr. F. M. Exner, professor of geophysics at the University of Vienna, and author of *Dynamische Meteorologie*, died February 7, 1930, at the age of fifty-three.

Professor Adolf Kneser, of the University of Breslau, is dead.

Professor Ottorino Pomini, of the Milan Technical School, died March 15, 1930.

Professor G. A. Gibson, of the University of Glasgow, died April 1, 1930, at the age of seventy-one. Professor Gibson had been a member of the American Mathematical Society since 1903.

Dr. Ludwig Kotany, formerly treasurer of Washington University, and writer on economics, died May 14, 1930, at the age of sixty-nine. Dr. Kotany received his doctorate in mathematics from the University of Vienna.

Dr. T. E. McKinney, for twenty years professor of mathematics at the University of South Dakota, died April 14, 1930, at the age of sixty-six. Professor McKinney had been a member of the American Mathematical Society since 1895.

Dr. J. L. Markley, professor emeritus of mathematics at the University of Michigan, died April 20, 1930, in his seventy-first year. Professor Markley had been a member of the American Mathematical Society since 1891.

Associate Professor E. A. Pattengill, of Iowa State College, died February 10, 1930, at the age of fifty-five. Professor Pattengill was a member of the American Mathematical Society.

Dr. W. E. Story, professor emeritus of mathematics at Clark University, died April 11, 1930, at the age of seventy-nine. Professor Story had been a member of the American Mathematical Society since 1897.

Mr. R. W. Weeks, formerly vice-president and chief actuary of the New York Life Insurance Company, died April 18, 1930. Mr. Weeks had been a member of the American Mathematical Society since 1891.