

NOTES

In addition to those of the editorial staff of the Bulletin, the following persons have assisted the editors, either by refereeing papers or by advising concerning papers offered for publication in the present volume: A. A. Albert, Clifford Bell, E. T. Bell, B. A. Bernstein, H. F. Blichfeldt, Daniel Buchanan, A. B. Coble, L. E. Dickson, L. L. Dines, E. L. Dodd, Arnold Dresden, G. C. Evans, Tomlinson Fort, Raymond Garver, L. M. Graves, Lois W. Griffiths, Einar Hille, T. R. Hollcroft, E. V. Huntington, Louis Ingold, A. J. Kempner, E. P. Lane, C. H. Langford, Mayme I. Logsdon, C. C. MacDuffee, W. D. MacMillan, Karl Menger, A. D. Michal, C. N. Moore, F. S. Nowlan, G. Y. Rainich, J. F. Ritt, Virgil Snyder, E. B. Stouffer, J. D. Tamarkin, G. T. Whyburn, W. M. Whyburn, K. P. Williams, W. A. Wilson. The editors desire publicly to recognize this service.

The Board of Trustees of the American Mathematical Society has concluded a reciprocity agreement with the Deutsche Mathematiker-Vereinigung similar to those already in force with the London Mathematical Society and the Unione Matematica Italiana. This agreement, which was negotiated through Professor L. Bieberbach, Secretary of the Vereinigung, concerns on the one hand members of the Society resident in the United States and Canada and on the other members of the German organization resident in Germany, Austria, and Danzig. The latter group may become members of the Society by payment of the initiation fee and half the annual dues. They receive the Bulletin for \$4.00 annual dues, the Transactions for \$6.00, and the two for \$9.00. The former group are admitted to the Vereinigung without initiation fee upon the payment of 5 marks annual dues as formerly, but if they take the Jahresbericht, they pay 12 marks, which is half rate. Members of the Society wishing to take advantage of this arrangement may communicate directly with Professor L. Bieberbach, Gelfertstrasse 16, Berlin-Dahlem, Germany.

A new Japanese mathematical periodical, Series I (Mathematics) of the Journal of the Faculty of Science, Hokkaido Imperial University, has been founded recently. The papers in the first two numbers are written in German.

The meeting of the International Physics Union at Brussels on July 12 was attended by representatives of fourteen countries. Professor R. A. Millikan, of the California Institute of Technology, was elected president, as successor to Sir William Bragg. The Union will hold its meeting in 1933 at Chicago, in connection with the World's Fair.

The Bologna Academy of Sciences announces the following subjects for its Adolfo Merlani prize in mathematics, for which competition closes December 31, 1932: (1) a contribution to the study of the roots of the integrals of linear differential equations (in the real domain); (2) a contribution to some question in the mechanics of fluids, preferably in aerodynamics. Competing memoirs should be in Italian, and may be in manuscript or in printed form, provided in the latter case they were not printed before 1930.

A prize has been founded in honor of Eugenio Rignano, under the auspices of the review *Scientia*, of which he was editor, for a work on *The evolution of the notion of time*. Competing works must be unpublished, or published since 1930; competition closes December 31, 1932.

In commemoration of the one hundredth anniversary of the death of Laplace (in 1827) a memorial monument will be erected in the town of Beaumont, his birthplace. Dedication will take place in the summer of 1932.

Dr. W. S. Adams, director of the Mount Wilson Observatory, has been elected president of the American Astronomical Society.

Dr. G. F. McEwen has been appointed chairman of the newly created committee of the American Geophysical Union on evaporation from free water surfaces.

Professor R. A. Millikan, of the California Institute of Technology, has been made a Knight of the Legion of Honor by the French Government.

Professor R. L. Moore, of the University of Texas, who was appointed by the Council of this Society to the Travelling Lectureship for the current academic year, will give the first series of lectures on the Pacific Coast, on the following dates: University of California at Los Angeles, November 10, 12, 13; Stanford University, November 16, 17, 18; University of Washington, November 20; University of California, Berkeley, November 23, 24, 25. The titles of his lectures are: 1. *Foundations of point set theory*; 2. *Continuous curves*; 3. *Upper semi-continuous collections*. The dates of his lectures in other parts of the country will be announced later. Professor Moore will also give an address entitled *A set of axioms for plane analysis situs*, by invitation of the program committee, at the meeting of the Society to be held at the California Institute of Technology in Pasadena on November 28.

Professor Willem de Sitter, director of the Leyden Observatory, has been elected an honorary member of the American Astronomical Society.

The following have been awarded National Research Fellowships in mathematics for the academic year 1931-32: R. P. Agnew, E. F. Beckenbach, Leonard Carlitz, Benedict Cassen, Max Coral, H. B. Curry, J. L. Dorroh, A. L. Foster, D. H. Lehmer, S. B. Littauer, E. J. McShane, C. W. Mendel, C. B. Morrey, A. L. O'Toole, A. E. Ross, Wladimir Seidel, W. J. Trjitzinsky, Hassler Whitney, S. S. Wilks, Jacob Yerushalmy, Leo Zippin. This list includes renewals.

Arnaud Denjoy, "professeur sans chair" at the University of Paris, has been appointed to the chair of "mathématiques générales."

Dr. Frank Löbell, of the Stuttgart Technical School, has been promoted to a professorship of descriptive geometry.

Dr. Udo Wegner, of the University of Göttingen, has been appointed professor of mathematics at the Darmstadt Technical School.

Dr. R. P. Agnew has been appointed assistant professor of mathematics at Cornell University.

Dr. W. D. Baten has been promoted to an assistant professorship of mathematics at the University of Michigan.

Mr. William Beverly has been promoted to an assistant professorship of mathematics at Lafayette College.

Mr. W. M. Birchby has been promoted to an assistant professorship of mathematics at the California Institute of Technology.

Mr. J. C. Brixey, of the University of Oklahoma, has been promoted to an assistant professorship of mathematics.

Mr. Earl Church, of Syracuse University, has been promoted from an assistant professorship of mathematics to an associate professorship of photogrammetry.

Assistant Professor Tobias Dantzig, of the University of Maryland, has been promoted to an associate professorship of mathematics.

Dr. M. S. Demos, of Columbia University, has been appointed assistant professor of mathematics at the University of New Hampshire.

Professor W. W. Elliott, of Duke University, has been granted Sabbatical leave for the first semester of 1931-1932. He will spend most of this time at Brown University.

Mr. N. C. Fisk, of the University of Michigan, has been appointed dean of the Itasca Junior College, Coleraine, Minnesota.

Dr. H. C. Gossard has been elected president of the New Mexico Normal University.

Dr. P. E. Hemke has been appointed associate professor of mechanics at the Case School of Applied Science.

Dr. Gertrude I. McCain has been appointed professor of mathematics at Marymount College, Salina, Kansas.

Miss Martha P. McGavock has been promoted to an associate professorship of mathematics at Rockford College.

Dr. L. T. Moore has been appointed assistant professor of mathematics at Brooklyn College of the City of New York.

Associate Professor C. S. Porter, of the department of mathematics at Amherst College, has been appointed acting dean of the College.

Mr. H. P. Roges, of the University of Illinois, has been appointed assistant professor of mathematics at Kent State College, Kent, Ohio.

Dr. J. A. Shohat has been promoted to an assistant professorship of mathematics at the University of Pennsylvania.

Dr. L. B. Slichter, of the California Institute of Technology, has been appointed associate professor of geophysics in the department of geology at the Massachusetts Institute of Technology.

The promotion of Professor I. W. Smith to the rank of professor at the North Dakota State College, which was reported without date on page 517 of the July issue of this Bulletin, actually occurred in 1918.

Assistant Professor Pauline Sperry, of the University of California, Berkeley, has been promoted to an associate professorship of mathematics.

Dr. F. G. Williams has been appointed professor of mathematics at Susquehanna University.

Dr. R. C. Yates has been appointed assistant professor of mathematics at the University of Maryland.

The following appointments to instructorships in mathematics are announced:

Duke University, Dr. Ruth W. Stokes;
University of South Dakota, Miss Marjorie L. Heckel;
University of Wisconsin, Dr. Elizabeth Stafford Sokolnikoff.

Mr. Alfred Barnard Basset, F.R.S., known for his work in mathematical physics, died December 5, 1930, at the age of seventy-six.

Professor Ladislaus von Bortkiewicz, of the department of mathematical statistics and insurance at the University of Berlin, died July 16, 1931.

Professor Federigo Guarducci, of the department of geodesy at the University of Bologna, died February 6, 1931.

Professor Ersilia Bisson Minio, of the Reale Istituto Magistrale of Venice, died August 18, 1931.

Richard Bolling Dunn, instructor in mathematics at Yale University, has died recently.

Professor Charles Haseman, of the University of Nevada, died July 9, 1931. Professor Haseman had been a member of the American Mathematical Society since 1907.

Dr. Bessie I. Miller, of the University of Illinois, died February 4, 1931. Dr. Miller had been a member of the American Mathematical Society since 1915.