NOTES

The Third International Congress of Applied Mathematics will be held at Stockholm, August 24–29, 1930.

The Seventh Scandinavian Mathematical Congress was held at Oslo, August 19–22, 1929, under the presidency of Professor Alf Guldberg.

The First Mathematical Congress of the Union of Socialist Soviet Republics will be held at Kharkow, June 24–29, 1930, under the presidency of Professor S. Bernstein. Foreign mathematicians are invited to attend; those interested should address inquiries to the Organization Committee of the Congress, Post Office Box N 333, Kharkow.

A mathematical colloquium will be held at St. Andrews, Scotland, July, 19–30, 1930, under the auspices of the Edinburgh Mathematical Society.

The following officers of the London Mathematical Society have been elected: President, Professor S. Chapman; Vice-President, Professors W. E. H. Berwick, P. J. Daniell, and E. H. Neville; Treasurer, Dr. A. E. Western; Librarian, Professor H. Hilton; Secretaries, Professor G. N. Watson and Mr. F. P. White; new members of the Council, Mr. T. W. Chaundy, and Professors G. H. Hardy, H. Levy, and L. J. Mordell.

The American Society of Mechanical Engineers will celebrate its fiftieth anniversary at meetings to be held in New York City, Hoboken, and Washington, April 5–9, 1930.

The division of mathematics at Harvard University has established a new mathematical society called the Harvard Mathematical Colloquium. The meetings occur fortnightly, and are open to all mathematicians in Cambridge and its vicinity. Among the speakers of the year are the following: Professors Graustein, Rado, Birkhoff, Walsh, Morse, and Stone of Harvard, Professors Wiener, Struik, and Franklin of the Massachusetts Institute of Technology, and Messrs. Morrey and Currier of Harvard.

The fourth volume of the series of Carus Mathematical Monographs will be ready in March, 1930. The title is *Projective Geometry*, by Professor J. W. Young, of Dartmouth College. The preceding volumes are: *Calculus of Variations*, by Professor G. A. Bliss; *Analytic Functions of a Complex Variable*, by Professor D. R. Curtiss; and *Mathematical Statistics*, by Professor H. L Rietz. This series is published by the Open Court Publishing Company for the Mathematical Association of America, through the financial support of Mrs. Mary Hegeler Carus.

Dean W. H. Metzler, of the New York State College for Teachers, has published privately a work entitled *A Treatise on the Theory of Determinants*, by Thomas Muir, revised by William H. Metzler. This work can be secured from the Banta Publishing Company of Menasha, Wisconsin.

The Nobel prize in physics for 1929 was awarded to Louis de Broglie, not to his older brother, Maurice François César, Duc de Broglie, as announced in the January number of this Bulletin, p. 41. This error was due to an incorrect dispatch by the Associated Press from Stockholm, which was widely copied.

The scientific prize of the Lasserre Foundation has been awarded jointly to Professor Eugène Bloch, of the chair of theoretical and celestial physics of the Faculty of Sciences of Paris, and Léon Bloch, assistant in physics in the same Faculty.

The Paris Academy of Sciences announces the award of the following prizes for 1929: the Francœur prize to Paul Noaillon, for his work in mathematical analysis and in hydrodynamics; the Poncelet prize to Alfred Liénard, for his work in the application of general theories of mechanics to problems in electrostatics, electrodynamics, and magnetism; the Lalande prize to Alexandre Véronnet, for his work on the shape and constitution of the heavenly bodies; the Damoiseau prize to Gaston Fayet, for his memoir entitled *Contribution à l'étude des eccentricités des orbites cométaires*; the prize of the Ministry of the Navy to Eugène Emery, for his work in exterior and interior ballistics; the Hébert prize to Georges Déjardin, for his work on the potentials of ionization and the classification of spectral lines of atoms; the Henri de Parville prize to Marcel Pauthenier, for his solution to the problem of absolute retardations in the electro-optical phenomenon of Kerr; the Montyon prize in statistics to Maurice Olivier, for his work entitled *Les nombres indices de la variation des prix*; the Binoux prize in history and philosophy of the sciences to Prosper-Jules Charbonnier, for his *Essais sur l'histoire de la balistique*; the Henri Poincaré medal to Louis de Broglie, for his work in wave mechanics; the Bordin prize to Henri Bénard, for his work on vortices; the Petit d'Ormoy prize in mathematics to Paul Montel, for his work in the theory of functions; the Saintour prize to Bertrand Gambier, for his work in infinitesimal geometry; the Wilde prize to Léon Brioullin, for his work in physics; the Gustave Roux prize to André Roussel, for his work in mathematical analysis.

The British Institution of Electrical Engineers has awarded the Faraday Medal to Sir Ernest Rutherford, of Cambridge.

The American Association for the Advancement of Science has awarded its prize for "a noteworthy contribution to science" presented at its annual meeting to Professor A. J. Dempster, of the department of physics of the University of Chicago for his work on the wave behaviour of protons.

The Mathematical Association of America has awarded its Chauvenet prize for mathematical exposition to Professor T. H. Hildebrandt, of the University of Michigan, for his paper entitled *The Borel theorem and its generalizations*, published in this Bulletin (vol. 32 (1926), pp. 423–474).

Professors Max Born and James Franck, of the University of Göttingen, Professor L. E. J. Brouwer, of the University of Amsterdam, Sir William Bragg, of the University of London, and Professor G. H. Hardy, of the University of

Oxford, have been elected to membership in the Prussian Academy of Sciences.

Maurice de Broglie has been elected a foreign member of the Upsala Academy of Sciences.

E. Esclangon, director of the Paris Observatory, has been elected a member of the Paris Academy of Sciences in the section of astronomy.

A bust of Henri Poincaré has been placed in the hall of the Paris Academy of Sciences.

Professor A. S. Eddington, of Cambridge, has been elected president of the Mathematical Association, London.

Sir Ernest Rutherford has been elected president of the Royal Society of London.

Professor G. N. Lewis, of the University of California, has been elected an honorary member of the Swedish Academy of Sciences. Professor Lewis has also recently received an honorary doctorate from the University of Chicago, for his contributions to physical chemistry.

Mr. W. D. Lambert, of the United States Coast and Geodetic Survey, has been elected president of the Philosophical Society of Washington.

The following have been appointed to National Research Fellowships in mathematics for 1929-30 (this list includes reappointments): A. C. Berry, A. B. Brown, L. W. Cohen, C. C. Craig, Jesse Douglas, H. T. Engstrom, J. J. Gergen, B. W. Jones, N. H. McCoy, Morris Marden, Gordon Pall, W. T. Reid, J. H. Roberts, N. E. Rutt, Marie J. Weiss.

Professor Georg Madelung, of the Berlin Technical School, has been appointed professor of aeronautics at the Stuttgart Technical School.

Dr. Wolfgang Sternberg, of the University of Breslau, has been promoted to an associate professorship of mathematics.

Dr. E. T. Copson, of the University of Edinburgh, has been appointed lecturer in mathematics and applied mathematics at the University of St. Andrews.

Dr. W. H. McCrea has been appointed lecturer in the department of mathematics at the University of Cambridge.

Dr. William Saddler, of the University of St. Andrews, has been appointed professor of mathematics at Canterbury College, Christchurch, New Zealand.

Professor Ludwig Prandtl, director of the Kaiser Wilhelm Institute for Research in the Flow of Fluids, at the University of Göttingen, has delivered a series of lectures at the University of Michigan and the Carnegie Institute of Technology.

Mr. B. R. Beisel, of Cornell, has been appointed assistant professor of mathematics at the University of Pittsburgh.

At Syracuse University, Professor A. D. Campbell has been promoted to the headship of the department of mathematics in the College of Liberal Arts.

Dr. H. V. Craig, of the University of Wisconsin, has been appointed adjunct professor of mathematics at the University of Texas.

Professor A. A. Michelson, of the University of Chicago, has retired.

Professor O. E. Randall, of the department of applied mathematics at Brown University, will retire in June, 1930.

Dr. Otto Krigar-Menzel, emeritus professor of theoretical physics at the University of Berlin, is dead.

Professor Eduard Study, of the University of Bonn, the distinguished geometer, died January 6, 1930, at the age of sixty-seven.

Professor A. V. Vasiliev, of the Universities of Kazan and Leningrad, died October 6, 1929, at the age of seventy-six.

Major P. A. MacMahon, known for his work on combinatorial analysis, died December 25, 1929, at the age of seventy-five.

Dr. Asaph Hall, of the United States Naval Observatory, who retired from a professorship in the Navy in June, 1929, died January 12, 1930, in his seventy-first year.

Professor E. D. Roe, Jr., of Syracuse University, died December 11, 1929. (See the present issue of this Bulletin, p. 161.)