

## NOTES

The American Mathematical Society will hold its 1936 Summer Meeting on September 1–5, in connection with the Tercentenary Celebration of Harvard University. The Mathematical Association of America will meet on August 31. Harvard University is inviting distinguished mathematicians from each of four countries, and is generously scheduling the lectures of these guests to take place before the Society and the Association. Professor E. W. Chittenden will deliver the Colloquium Lectures on Topics in General Analysis. There will be a joint meeting with the American Astronomical Society. Arrangements will be made to house a considerable number of the visiting mathematicians in the Harvard dormitories, and there will be numerous excursions to points of historic interest in Cambridge and the neighborhood. This meeting should prove one of the most interesting and important that the Society has held.

The Mathematical Institute of the University of Moscow has organized a topological conference to take place September 4–10. American mathematicians who expect to attend and take an active part are Professors J. W. Alexander, Solomon Lefschetz, John von Neumann, P. A. Smith, M. H. Stone, Hassler Whitney, D. V. Widder, and Oscar Zariski, Doctors E. R. van Kampen and H. W. Tucker, and Mr. Garrett Birkhoff.

Representatives of the American Mathematical Society at the Seventh American Scientific Congress, sponsored by the Department of Public Education of the Republic of Mexico, September 8–17, will be Professors M. A. Basoco, of the University of Nebraska, and E. V. Huntington, of Harvard University. Professor E. L. Dodd, of the University of Texas, has been appointed as a delegate of the Mathematical Association of America, and will present a paper entitled *A survey of statistical means or averages*.

Professor Oystein Ore, of Yale University, has been appointed a member of the editorial board of the Duke Mathematical Journal.

The Section on Mathematics (A) of the American Association for the Advancement of Science met on June 25 at the University of Minnesota in conjunction with the Section on Physics (B). Professors W. L. Hart, W. E. Brooke, and J. T. Tate presided successively. About sixty members and guests were present. The program consisted of three invited addresses, on the general theme of properties of differential equations important in quantum mechanics. The titles of the papers and their authors were as follows: *Oscillation theorems associated with boundary value problems*, by Professor R. W. Brink, of the University of Minnesota; *The Stokes phenomenon*, by Professor R. E. Langer, of the University of Wisconsin; *Applications of approximation methods to physical problems, with particular reference to molecular spectra*, by Professor D. M. Dennison, of the University of Michigan. A joint luncheon of Sections A, B, and D in the Minnesota Union Tuesday noon was attended by forty persons.

The company was addressed briefly by President Compton of the Association, who was introduced by the Chairman of Section B, Professor J. T. Tate.

Dr. R. C. Tolman, professor of mathematical physics at the California Institute of Technology, was elected president of the Pacific Division of the American Association for the Advancement of Science at the Los Angeles meeting.

The International Mathematical Congress, under the presidency of Professors Alf Guldberg and Carl Størmer, will be held at Oslo July 13–18, 1936. This date early in the summer has been set in order to avoid conflict with the Summer Meeting of the American Mathematical Society mentioned above. The Congress will be organized in the following sections: (1) Algebra and Theory of Numbers; (2) Analysis; (3) Geometry and Topology; (4) Theory of Probability, Insurance, Statistics; (5) Astronomy; (6) Mechanics and Mathematical Physics; and (7) Philosophy, History, and Education. Nearly a score of leading mathematicians have been invited to give general lectures before the Congress, including the following representatives from American universities: Professors G. D. Birkhoff, Oystein Ore, Oswald Veblen, and Norbert Wiener. Titles of papers intended for presentation at the Congress should be sent to the *Sécrétaire Général*, Edgar B. Schieldrop, Universitetet, Oslo, Norvège. After the Congress, trips will be arranged to some of the picturesque spots in Norway.

The section of physical sciences of the Royal Academy of Bologna announces the following subjects for its two Adolfo Merlani prizes in mathematics: 1. *Contributions to the study of roots of the integrals of linear differential equations (in the real domain)*; 2. *A contribution relating to any question dealing with the mechanics of fluids, and preferably of aerodynamics*. Competition is restricted to members of the academy and closes December 31, 1936.

At its annual commencement, Harvard University conferred the honorary degree of doctor of science on Professor Albert Einstein of the Institute for Advanced Study at Princeton.

Dr. Irving Langmuir, of the General Electric Company, has recently been elected a foreign member of the Royal Society of London.

Professor Solomon Lefschetz, of Princeton University and president of this Society, has been elected a member of the Royal Society of Letters and Sciences of Bohemia.

The honorary degree of doctor of science was conferred on Professor Marston Morse, of Harvard University, by Colby College.

Professor Oystein Ore, of Yale University, delivered lectures on structure theorems and problems in abstract algebra at Zürich, Göttingen, and Hamburg, as well as in the Academy of Sciences at Oslo during his trip abroad.

Professor P. F. Rider, of Washington University, has been awarded a General Education Board Fellowship. He will spend a year carrying on research

in biomathematics and mathematical statistics, principally in the Galton Laboratory at University College, London.

Professor D. J. Struik, of the Massachusetts Institute of Technology, delivered lectures on the theory of probability and the imbedding of a Riemann manifold in a euclidean space of higher dimensions at the Mathematical Institute of the University of Moscow, U.S.S.R. Other guests of the Mathematical Institute were Professors J. A. Schouten of Delft and T. Levi-Civita of Rome.

Dr. R. S. Zug, assistant professor of mathematics and astronomy at Drake University, has been awarded a grant from the National Research Council in order to work on galactic star clusters.

A Committee of colleagues, friends, and former students of Professor J. Hadamard has been organized to celebrate his scientific jubilee which will probably take place next December. The Secretary and Treasurer of the Committee are respectively Maurice Fréchet and G. Valiron. It is planned to publish a volume of 250 to 300 pages including selected reprints of Professor Hadamard and also a pamphlet containing the names of subscribers and the addresses to be given on the occasion of the celebration. Moreover, the 1937 volume of the *Journal de Mathématiques* will be dedicated to him.

A similar Committee, the president of which is Émile Picard, has been organized to celebrate the scientific jubilee of Professor Édouard Goursat. A medal will be presented to him at a ceremony to which subscribers will be invited. Subscribers will receive a bronze replica of the medal. The 1936 volume of the *Journal de Mathématiques* will be dedicated to him.

The former pupils of Marcel Brillouin are planning to present him with a jubilee volume in honor of his eightieth birthday. The volume will combine the original scientific memoirs of many of his old pupils. Subscribers will be entitled to a copy of this book.

The following have been awarded National Research Fellowships in Mathematics for 1935-36: J. A. Clarkson, Norman Levinson, W. T. Martin, F. J. Murray, S. B. Myers, J. B. Rosser, G. C. Webber. This list includes renewals.

Professor H. S. Carslaw, of the University of Sydney, has been named professor emeritus of mathematics.

Dr. Wilhelm Cauer, of the University of Göttingen, has been promoted to a professorship of mathematics.

Dr. E. T. Copson, of Royal Naval College, Greenwich, has been appointed to a chair in mathematics in University College, Dundee.

Dr. R. H. Fowler, Plummer professor of mathematical physics at Trinity College, Cambridge, England, has been appointed visiting lecturer in mathematics at Princeton University for the second term of the next academic year.

Dr. Theodor Vahlen has been appointed professor of mathematics at the University of Berlin.

Dr. H. L. Dorwart, of Williams College, has been appointed assistant professor of mathematics at Washington and Jefferson College.

Professor R. L. Jeffery, of Acadia University, will be visiting professor of mathematics at the University of Wisconsin next year.

Dr. C. B. Morrey, of the University of California, Berkeley, has been promoted to an assistant professorship in mathematics.

Professor W. F. Osgood, formerly of Harvard University, will remain at the National University of Peking for another year.

Dr. Gordon Pall, of McGill University, has been promoted to an assistant professorship.

Dr. A. E. Pitcher, of Harvard University, has been appointed an assistant at the Institute for Advanced Study.

Associate Professor G. Y. Rainich, of the University of Michigan, has been promoted to a professorship.

Professor A. N. Shaw has been made head of the department of physics and director of the MacDonald Physics Laboratory at McGill University. He succeeds Professor A. S. Eve who retired at the close of the academic year.

Associate Professor G. W. Smith, of the University of Kansas, has been appointed to a professorship.

Professor J. H. Van Vleck, of the University of Wisconsin, has been appointed to a professorship of mathematical physics at Harvard University.

The following appointments to instructorships are announced: University of Kentucky: Dr. E. D. Jenkins; Mississippi State College: Mr. W. E. Cox, Jr.; Yale University: Mr. Marshall Hall.

Professor J. G. Estes, of North Carolina State College, died on June 1, 1935.

The death of Dr. Alfred Loewy, formerly professor of mathematics at the University of Freiberg, is reported.

Rev. J. de Séguier, of Paris, died on April 19, 1935. He had been a member of this Society since 1902.

Professor B. M. Wilson, professor of mathematics in University College, Dundee, formerly lecturer in pure mathematics in the University, died on March 18, 1935, at the age of thirty-eight years.