

## NOTES

In addition to the members of the Editorial Board of the Transactions of this Society, the following persons have assisted the editors by refereeing papers offered for publication in the volume for 1936: Henry Blumberg, H. R. Brachana, J. L. Coolidge, J. L. Doob, Nelson Dunford, P. L. Franklin, J. J. Gergen, Ralph Hull, J. R. Kline, Virgil Snyder, E. B. Stouffer, J. L. Walsh. The editors appreciate this assistance and desire to give it public recognition.

A new journal, called the *Journal of the Chinese Mathematical Society*, is being published by the Academia Sinica, the National Academy of Peiping, National Tsing Hua University, and the National University of Peking. The first issue was published in August, 1936.

The Cowles Commission for Research in Economics will conduct its third Annual Conference on economics and statistics at Colorado College, from June 28 to July 23, 1937, immediately following the Denver meeting of the American Association for the Advancement of Science. Among the speakers will be L. H. Bean, T. H. Brown, H. T. Davis, E. L. Dodd, G. C. Evans, Ragnar Frisch, C. F. Roos, Joseph Schumpeter, J. A. Shohat, Carl Snyder, O. C. Stine, S. S. Wilks, E. J. Working, and Holbrook Working. All who are interested will be welcomed, and moderate living accommodations will be provided by Colorado College. In this same connection, Section A of the A.A.A.S. will organize a joint meeting with Section K and the Econometric Society, for the discussion of mathematical economics and statistics at Denver during the week beginning June 21.

The University of Notre Dame announces a symposium on the calculus of variations, to be held on April seventh and eighth. Papers will be presented by G. A. Bliss, L. M. Graves, A. E. Haas, Solomon Lefschetz, Walther Mayer, E. J. McShane, Karl Menger, Marston Morse, S. B. Myers, L. W. Nordheim, Tibor Radó, and W. T. Reid.

During the Summer Quarter of 1937 at the University of Chicago a seminar in the calculus of variations will be conducted by Professor G. A. Bliss, Professor E. J. McShane, Dr. W. T. Reid, and Dr. M. R. Hestenes. Others who may be interested are invited to participate. It is planned to select topics of discussion in accord with the special interests of those attending.

Dr. G. W. C. Kaye has been elected president of the Section of Mathematical and Physical Sciences of the British Association for the Advancement of Science.

Professor Friedrich Zahn, president of the Bavarian Statistical Office, has been nominated president of the International Statistical Institute.

The Association for Symbolic Logic met in conjunction with the annual meeting of the American Philosophical Association in Cambridge, Mass., on December 28. The following papers were presented: *Some logical problems en-*

countered by a physicist, by Professor P. W. Bridgman; *The formal distinction between asserted and unasserted propositions*, by Professor A. A. Bennett; *Systems of "complete logic" within the scope of Goedel's theorem*, by F. B. Fitch; *A calculus of individuals*, by Dr. H. S. Leonard and Dr. H. N. Goodman. Professor E. V. Huntington, of Harvard University, and Professor E. E. Nagle, of Columbia University, were elected members of the Executive Committee, and Professor Rudolf Carnap, of the University of Chicago, and Professor J. Jørgensen, of Copenhagen, were elected members of the Council.

The Paris Academy of Sciences announces the award of the following prizes for 1936: the Poncelet prize to Paul Lévy, for his mathematical work as a whole; the Francoeur prize to Claude Chevalley, for his work on the theory of *corps de classes*; the Montyon prize in mechanics to Louis Bergeron, for his work on hydraulic machines; the Fourneyron prize to André Tenot, for his work on hydraulic turbines; the Boileau prize to Max Teissié-Solier, for his research in hydraulics; the Lalande prize in astronomy to Louis Boyer, for his work on the small planets; the Henri de Parville prize in mechanics to Henri Poncin, for his work in hydrodynamics; the Benjamin Walz prize to André Couder, for his work on optical instruments; the Janssen medal to Henry Norris Russell, for his important work in stellar astronomy; the La Caze prize in physics to Jean Becquerel, for his work in magneto-optics; the François Hébert prize to Georges-Albert Boutry, for his research on photo-electric cells and their applications; the Hughes prize to Marcel Laporte, for his research on electric discharges in gases; the Paul Marguerite de la Charlonie prize to Henri Abraham, for his scientific work as a whole; an award from the Clément-Félix foundation to Mlle. Nine Choucroun, for the continuation of her work on electrophori; the Montyon prize in statistics to Michel Huber, for his statistical work as a whole; an Henri Parville prize for scientific publication to Georges Bruhat, for his *Cours de thermodynamique de l'électricité, d'optique et de mécanique physique*; the Grand Prize of Mathematical Sciences to Maurice Gévrey, for his work in partial differential equations; the Baron de Joest prize to Paul Robert, for his published work on anallagmatic geometry; the Caméré prize to Lucien Chadenson, for his work in hydraulics, and for his mathematical studies with applications to theoretical physics; the Albert I<sup>er</sup> de Monaco prize to Fernand Holweck, for his part in the creation of the elastic pendulum; the Hirn foundation prize to Albert Arnulf, for his work in applied optics; the Henri Becquerel foundation prize to Carl Benedicks, for his discoveries in the thermoelectric homogeneous effect; an award from the Pierre Lafitte foundation to Robert Bureau, for research on the origin of atmospheric disturbances in wireless telegraphy, and on the use of electromagnetic waves in the recording of observations made in sounding balloons; awards from the Villemot foundation to Gaston Julia, for the mathematical group which he has gathered at the Institut Henri Poincaré for the study of mathematical questions, particularly topology and the theory of groups; to Père Lejay for permitting the observatory of Zi-Ka-Wei to participate in the continued observation of the evolution of solar phenomena; and to Bernard Lyot, for his studies of the solar corona; an award from the Girbal-Baral foundation to Mlle. Yvette Cauchois, for research in the spectrography of X-rays.

The Royal Statistical Society of London offers the Frances Wood Memorial prize for competition in 1937. The prize is offered for the best investigation on statistical lines of any problem affecting the economic or social conditions of the people. Further information can be obtained from the honorary secretaries of the Royal Statistical Society, 4 Portugal Street, W. C. 2, London.

Dean G. D. Birkhoff and Professor J. L. Coolidge, of Harvard University, have been promoted to the rank of officer in the French Legion of Honor.

The University of London has conferred the honorary doctorate on Professor Albert Einstein, of the Institute for Advanced Study at Princeton.

The following foreign mathematicians have been selected by Pope Pius XI as members of the newly formed Pontifical Academy of Sciences: Professors U. Amaldi and T. Levi-Civita, of the University of Rome; V. Volterra, formerly of the University of Rome; C. Carathéodory, of the University of Munich; C. de la Vallée-Poussin, of the University of Louvain; E. Picard, of the University of Paris; and E. T. Whittaker, of the University of Edinburgh.

G. A. Maggi, retired professor of rational mechanics at the University of Milan, has been elected fellow of the Italian Academy of Sciences.

Dean G. D. Birkhoff, of Harvard University, was elected President of the American Association for the Advancement of Science at the Christmas meeting at Atlantic City. At the same meeting, Professor W. D. Cairns was elected Vice-President of the A.A.A.S. and Chairman of Section A, Professor M. H. Stone was elected a member of the section committee of Section A, and Dr. F. R. Moulton was elected Permanent Secretary of the A.A.A.S.

Professor G. A. Miller, of the University of Illinois, was made honorary life member of the Mathematical Association of America at the Duke meeting.

Professor J. H. Van Vleck, of Harvard University, has been given the honorary degree of doctor of science by Wesleyan University.

V. Amato has been appointed associate professor of algebraic and infinitesimal analysis at the University of Cagliari.

Dr. John Dougall, of Glasgow, has been appointed Gibson lecturer in the history of mathematics there.

R. Einaudi has been appointed associate professor of rational mechanics at the University of Messina.

D. Graffi has been appointed associate professor of rational mechanics at the University of Turin.

Assistant Professor Eberhard Hopf, of the Massachusetts Institute of Technology, has been appointed to a professorship in mathematics at the University of Leipzig.

Dr. Erich Kähler has been appointed to a professorship at the University of Königsberg.

M. C. de Rham has been appointed professor of analysis and the calculus of probabilities at the University of Geneva.

G. Ricci has been appointed associate professor of algebraic and infinitesimal analysis at the University of Milan.

Dr. H. S. Ruse, lecturer in mathematics at the University of Edinburgh, has been appointed professor of mathematics at University College, Southampton, as successor to Professor R. C. J. Howland, who died last August.

G. Scorza-Dragoni has been appointed associate professor of algebraic and infinitesimal analysis at the University of Padua.

Dr. W. M. Smart, John Couch Adams astronomer, chief assistant in the observatory and lecturer in mathematics at the University of Cambridge, has been appointed Regius professor of astronomy at the University of Glasgow in the place of Professor Ludwig Becker, who has retired.

P. Teofilato has been appointed associate professor of rational mechanics at the University of Cagliari.

Assistant Professor J. V. Atanasoff, of Iowa State College, has been promoted to an associate professorship.

Dr. J. H. Butchart, of Butler University, has been appointed professor and head of the department of mathematics at Phillips University, Enid, Oklahoma.

Dr. Constantin Carathéodory, of the University of Munich, was the Carl Schurz Memorial Professor for the first semester of 1936-37 at the University of Wisconsin.

At the University of Michigan, Professor R. V. Churchill has been on leave of absence the past semester, and has been studying at the University of Freiberg. Professor C. E. Love has leave of absence for the second semester.

Dr. R. P. Crout, of the Massachusetts Institute of Technology, has been promoted to an assistant professorship in mathematics.

Associate Professor V. G. Grove, of Michigan State College, has been promoted to a professorship in mathematics.

At Indiana University, Professor U. S. Hanna has leave of absence for the year 1936-37, and Professor H. T. Davis has leave of absence for the second semester.

Dr. E. D. Jenkins, of the University of Kentucky, has been appointed to an assistant professorship at the Eastern Kentucky State Teachers College.

Dr. Cornelius Lanczos, of Purdue University, has been appointed acting assistant professor at Indiana University for the second semester.

Mr. D. H. Leavens, of the Harvard Business School, has joined the staff of the Cowles Commission for Research in Economics.

Dr. Karl Menger, professor of mathematics at the University of Vienna, will join the department of mathematics at the University of Notre Dame as associate professor, the second semester of 1936-37.

Professor D. C. Miller, of the Case School of Applied Science, has retired with the title "honorary professor of physics."

Mr. C. N. Mills, of the Illinois State Normal University, has been appointed acting assistant professor of the teaching of mathematics at the University of Wisconsin for the year 1936-37.

Dr. H. R. Pyle has been appointed assistant professor, and head of the department of mathematics at Earlham College, Earlham, Indiana.

Professor E. L. Rees and Assistant Professor D. E. South, of the University of Kentucky, are on leave of absence. The former is traveling in Australia and South Africa, and the latter is studying at the University of Michigan.

Professor C. F. Roos, professor of econometrics at Colorado College and research director of the Cowles Commission for Research in Economics, has taken a six-months leave of absence to act as director of research with the Mercer Allied Corporation of New York. His positions in Colorado have been filled by Professor H. T. Davis of Indiana University, who has leave of absence from that University for the period.

Mr. J. T. Rule has been appointed to an assistant professorship at the Massachusetts Institute of Technology.

Mr. Z. L. Smith has been appointed assistant professor in the University of Chicago, with duties in the University High School and the General Physical Science Survey course in the college.

Miss Frances Stribic, of the University of Colorado, has been promoted to an assistant professorship.

Assistant Professor W. J. Trjitzinsky of the University of Illinois, has been promoted to an associate professorship.

Dr. Alfred North Whitehead, since 1924 professor of philosophy at Harvard University will retire with the title of professor emeritus next September. He will also resign as senior fellow of the Society of Fellows.

Dr. S. S. Wilks of Princeton University has been promoted to an assistant professorship.

The following appointments to instructorships have been announced: Baylor University: Miss Kathryn Cardwell; California Institute of Technology: Dr. A. E. Taylor; Iowa State College: Dr. O. K. Sagen; University of Kansas: Mr. P. O. Bell; University of Kentucky: Mr. C. W. Williams; Michigan State College: Dr. E. T. Welmens; University of Minnesota: Dr. Joel Brenner; Princeton University: Dr. A. H. Taub; Purdue University: Dr. A. C. Schaeffer; University of Tennessee: Mr. F. A. Valentine; University of Wisconsin: Dr. M. T. Bird.

Professor Werner Friedli, of the University of Berne, is dead at the age of forty-three years.

Mrs. Emma Gifford, co-author of the well known *Ten-Place Table of Trigonometric Functions*, died at her home in England last September. Both she and her husband, whose death antedated hers, had been active workers in mathematics many years ago. During recent years, she had spent most of her time in editorial work on the *Tables*.

Professor Francesco Giudice, of the Technical Institute of Pavia, died on August 11, 1936, at the age of eighty-one years.

Edouard Goursat, professor of mathematics at the Sorbonne, Paris, and a member of the Academy of Sciences, died on November 26, 1936, at the age of seventy-eight years.

Marcel Grossmann, honorary professor at the Federal Polytechnic School at Zurich, died on September 7, 1936, at the age of fifty-eight years.

Mr. W. H. Macaulay, fellow of King's College, Cambridge, author of *The laws of thermodynamics and solid geometry*, died on November 28, 1936, at the age of eighty-three years.

Benjamin Mayor, honorary professor at the University of Lausanne, died on October 10, 1936, at the age of seventy years.

The death of D. B. R. R. Rao, a former president of the Indian Mathematical Society, is announced.

Dr. A. A. Robb, author of works on aspects of relativity, died December 14, 1936, at the age of sixty-three.

The death of Professor H. Westergaard, formerly professor of statistics at the University of Copenhagen, is announced. He was eighty-four years old.

Dr. C. R. Dines, head auditor for Armour and Company, died on November 14, 1936. He had formerly taught mathematics at Northwestern University and at Dartmouth College.

Dr. S. E. Stilwell, vice-president of the Western and Southern Life Insurance Company, died on October 25, 1936.

Dr. J. N. V. Vedder, professor of thermodynamics at Union College, Schenectady, N. Y., died on December 26, 1936. He was sixty-three years old.