NOTES

The Philosophy of Science Association has begun publication of a quarterly journal, Philosophy of Science, under the editorship of W. M. Malisoff. Among the articles in the first issue are the following: *Quantum mechanics as a basis for philosophy*, by J. B. S. Haldane; *The foundations of the theory of probabilities*, by D. J. Struik; *The character of philosophic problems*, by Rudolf Carnap. Subscriptions may be sent to Williams and Wilkins, the Waverly Press, Baltimore.

The first annual meeting of the Southern Intercollegiate Mathematics Association was held at the Louisiana State Normal College, Natchitoches, on May 5, 1934. This Association was founded in 1933, under the presidency of Professor I. Maizlish, of Centenary College, "to stimulate an interest in mathematics in colleges and universities by holding annual competitions in algebra, trigonometry, analytic geometry, and the calculus." The winner of this year's competition was Louisiana State University.

A collection of projective models of hyperspace regular figures, including the six regulars of 4-dimensional space and the hypercube series extended to n dimensions, has been prepared by Mr. P. S. Donchian, of Hartford, and put on exhibition this summer at the Century of Progress Exposition, Chicago, in the mathematics section of the Basic Science Exhibits in the Hall of Sciences.

The Belgian Academy of Sciences has awarded to Professor R. Jacques, of the University of Montpellier, its prize for 1933 for a memoir on new applications of the methods in infinitesimal geometry introduced by Claude Guichard.

The O. Pomini prize has been awarded to Silvio Cinquini, for a series of thirteen papers published since he received his doctorate from the University of Bologna in 1929. Especial mention is made of his memoir *Sopra una formula del Curtiss*.

The Franklin Institute has awarded Franklin medals to Professor H. N. Russell, of Princeton University, for his "pioneer work in the application of physical theories to astronomical problems," and to Dr. Irving Langmuir, of the General Electric Company, at Schenectady, "in recognition of his investigations in physics and chemistry."

Professor Emile Borel has been elected president of the Paris Academy of Sciences for the year 1934.

Maurice, duc de Broglie, has been elected a member of the Académie Française. He has been "académicien libre" of the Paris Académie des Sciences for a number of years.

The University of Cambridge has conferred a doctorate of science on Dr. Alfred Fowler, Yarrow research professor of the Royal Society and professor of astrophysics at the University of London.

Professor Henri Lebesgue, of the University of Paris, has been elected a foreign member of the Royal Society of London.

Columbia University has conferred an honorary doctorate on Professor E. W. Brown, Josiah Willard Gibbs professor emeritus of mathematics at Yale University.

Professor S. Lefschetz, of Princeton, has been appointed representative of the Institute for Advanced Study to attend an International Mathematical Conference to be held at Moscow in June and July, 1934.

The following mathematicians have been elected to membership in the National Academy of Sciences: Professors H. S. Vandiver, of the University of Texas, and Norbert Wiener, of the Massachusetts Institute of Technology. Dr. V. F. K. Bjerknes, professor of meteorology at the University of Oslo, has been elected a foreign associate of the Academy.

The following have been awarded National Research Fellowships in mathematics for 1934–35: S. F. Barber, L. M. Blumenthal, R. H. Cameron, Ralph Hull, D. C. Lewis, Jr., W. T. Martin, Deane Montgomery, F. J. Murray, S. B. Myers, D. S. Nathan, M. I. S. Robertson, G. C. Webber. This list includes renewals.

Dr. E. R. Lorch has been awarded a Cutting fellowship at Columbia University.

Dr. W. C. Randels, of Brown University, has been awarded a Sterling fellowship at Yale University.

Nicholas Rashevsky, formerly of the Westinghouse Company, has been awarded a General Education Board fellowship in mathematical biophysics, for work at the University of Chicago.

Shaun Wylie, of Oxford University, has been awarded a Commonwealth Fund fellowship, for research in mathematics at Princeton.

Professor E. Goursat, of the Faculty of Sciences of the University of Paris, has retired, with the title of honorary professor.

Dr. Borge Jessen, who has been in residence at the Institute for Advanced Study, Princeton, during the academic year 1933–34, has returned to the University of Copenhagen.

Dr. Walter Lietzmann, of the University of Göttingen, has been made honorary professor.

Assistant Professor L. M. Milne-Thomson, of the Royal Naval College, Greenwich, has been promoted to a professorship of mathematics.

Dr. Gustav Schweikert has been made honorary professor of theoretical physics at the Berlin Technical School.

Professor E. Vessiot, of the University of Paris, has been transferred from the chair of theory of functions and theory of transformations to that of

analytical and celestial mechanics, as successor to the late Paul Painlevé. Professor Paul Montel has been transferred from the chair of rational mechanics to that formerly held by Professor Vessiot.

Assistant Professor W. L. Ayres, of the University of Michigan, has been promoted to an associate professorship of mathematics.

Mr. F. J. Brand, of the University of British Columbia, has been promoted to an assistant professorship.

Dr. S. S. Cairns, of Lehigh University, has been promoted to an assistant professorship of mathematics.

Professor R. D. Carmichael, of the University of Illinois, has been appointed dean of the graduate school.

Assistant Professor Jesse Douglas, of the Massachusetts Institute of Technology, has been promoted to an associate professorship of mathematics. He has been granted leave of absence for the academic year 1934–35, during which he will be in residence at the Institute for Advanced Study.

Assistant Professor R. D. Douglass has been promoted to an associate professorship of mathematics at the Massachusetts Institute of Technology.

Dr. H. H. Ferns, of the University of Toronto, has been appointed assistant professor of mathematics at the University of Saskatchewan.

Dr. W. W. Flexner, of Bryn Mawr College, has been appointed assistant professor of mathematics at Cornell University.

Dr. C. M. Huber, of Wilson Teachers College, Washington, has been promoted to an assistant professorship.

Assistant Professor Mildred Hunt, of the Illinois Wesleyan University, has been promoted to a professorship.

Dr. E. J. McShane has been promoted to an assistant professorship at Princeton University.

Associate Professor C. C. MacDuffee, of the Ohio State University, has been promoted to a professorship of mathematics.

Dr. W. F. Osgood, Perkins professor of mathematics, emeritus, at Harvard University, has accepted an invitation to join the department of mathematics at the National University of Peking.

Dr. H. W. Raudenbush, of Barnard College, Columbia University, has been appointed assistant professor of mathematics at Yale University.

Assistant Professor A. D. Snyder, of Union College, Schenectady, has been promoted to an associate professorship.

Associate Professor H. S. Vandiver, on leave of absence from the University of Texas, has been appointed temporary lecturer at the Institute for Advanced Study.

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

Associate Professor E. E. Whitford has been promoted to a professorship at the College of the City of New York.

Dr. G. T. Whyburn, associate in mathematics at the Johns Hopkins University, has been appointed professor of mathematics at the University of Virginia.

Assistant Professor D. V. Widder has been promoted to an associate professorship at Harvard University.

Associate Professor A. H. Wilson has been promoted to a professorship of mathematics at Haverford College.

The following appointments to instructorships are announced: University of California at Davis: Dr. E. B. Roessler; Johns Hopkins University: Mr. J. F. Wardwell; Massachusetts Institute of Technology: Dr. J. L. Barnes; Princeton University: Mr. H. G. Swain, Dr. R. J. Walker; St. Bonaventure's College: Mr. D. J. Colbert.

William Barlow, F. R. S., known for his work in geometrical crystallography, died February 28, 1934, at the age of eighty-eight.

J. Bauschinger, professor emeritus at the University of Leipzig, died at the age of seventy-three.

Dr. C. F. Geiser, formerly professor of mathematics at the Zurich Technical School, died March 8, 1934, at the age of ninety-one.

Mr. Henry S. Hall, author of well known textbooks of mathematics, and formerly head of the military and engineering side at Clifton College, died May 3, 1934, at the age of eighty-five.

J. T. Erwin, formerly professor at George Washington University, died October 15, 1933, at the age of sixty-three.

Professor C. D. Killebrew, of the Alabama Polytechnic Institute, died March 9, 1934.

Professor C. H. Peabody, professor emeritus of naval architecture at the Massachusetts Institute of Technology, died May 4, 1934.

Dr. I. J. Schwatt, professor emeritus of mathematics at the University of Pennsylvania, died April 17, 1934, at the age of sixty-seven. Professor Schwatt had been a member of the American Mathematical Society since 1893.

Mr. Walter Wood, of Philadelphia, manufacturer of cast iron water and gas pipes, died April 20, 1934, at the age of eighty-four. Mr. Wood was a life member of the American Mathematical Society.