

NOTES

A new quarterly devoted to the publication of mathematical research and sponsored by Duke University will appear shortly under the title *Duke Mathematical Journal*. The editors are A. B. Coble, D. V. Widder, and J. M. Thomas, the last named being managing editor. The associate editors are H. E. Bray, L. W. Cohen, L. R. Ford, J. J. Gergen, R. E. Langer, C. C. MacDuffee, J. A. Shohat, and G. T. Whyburn. The first number will be dated March, 1935. Manuscripts and editorial correspondence may be addressed to the Journal at 4785 Duke Station, Durham, North Carolina; and subscriptions (at \$4.00 per year) may be sent to the Duke University Press. Individual members of the Mathematical Association of America may subscribe at half price.

In March, 1935, the Division of Applied Mechanics of the American Society of Mechanical Engineers will begin publication of a quarterly Journal of Applied Mechanics. The editorial board includes J. P. Den Hartog, R. Eksbergian, J. Goff, J. C. Hunsaker, G. B. Karelitz, T. von Kármán, A. I. Lipetz, A. Nadai, J. Ormondroyd, R. E. Peterson, S. Timoshenko. The technical editor will be J. M. Lessells, of Swarthmore, Pa.

At an informal meeting held at New York University in connection with a meeting of the American Philosophical Association on December 27, 1934, it was decided to undertake the formation of an association of which one purpose would be the publication of an International Journal of Logic; and a Committee on Organization was appointed. Those who would eventually wish to lend support by joining the proposed association (with dues of probably \$3.00 per year) are asked to write to Professor C. J. Ducasse, Brown University, Providence, R.I.

A collection of tables of higher mathematical functions is being prepared at the Institute for Applied Mathematics of the University of Berlin, under the auspices of the Notgemeinschaft der Deutschen Wissenschaft; the work will be done by unemployed mathematicians. Tables of Hermite and Laguerre functions have already been begun.

The Commission on Examinations in Mathematics, whose members are Arnold Dresden (Chairman), Grace S. Barker, Ralph Beatley, William Betz, W. R. Longley, G. R. Mirick, Rolland R. Smith, Anna J. Pell-Wheeler, and Norbert Wiener, was appointed by the College Entrance Examination Board in April, 1933; and has now submitted its Report. Copies of the Report, at ten cents each, may be had by writing Professor T. S. Fiske, Secretary of the Board, 431 West 117th St., New York City. It is desired that the Report be given wide publicity, in order to expedite action and to permit the holding soon of examinations proposed in the Report.

At the annual meeting of the British Mathematical Association, held January 7-8 under the presidency of A. W. Siddons, the following were nominated for election as honorary members: Professors E. Borel, of the Uni-

versity of Paris, G. H. Hardy, of the University of Cambridge, D. E. Smith, of Columbia University, and E. T. Whittaker, of the University of Edinburgh.

The Ackermann-Teubner prize for 1934 has been awarded to Professor E. Trefftz, for his work in applied mechanics.

The prize of the *Annali della Reale Scuola Normale Superiore di Pisa* (see this Bulletin, vol. 39 (1933), p. 497) has been divided equally between the following mathematicians: Guido Ascoli, of the University of Milan, Pietro Burgatti, of the University of Bologna, and Georges Giraud, of the University of Clermont-Ferrand. All three memoirs were on the theory of partial differential equations of elliptic and parabolic type.

The Belgian Academy has awarded its De Boelpaep prize to A. Biot, for his work in geometric optics.

The Paris Academy of Sciences announces the award of the following prizes for 1934: the Poncelet prize to Maurice Fréchet, for his mathematical work as a whole; the Francœur prize to Jean Favard, for his work in mathematical analysis; the Montyon prize in mechanics to René Swyngedaew, for his study of transmission belts and ball bearings; the Fourneyron prize to Robert Mazet, for his work in friction; the Henri de Parville prize in mechanics to Jean Leray, for his work in the mechanics of fluids; part of the Binoux prize in geography to Pierre Tardi, for his *Traité de Géodésie*; the LaCaze prize in physics to Eugène Bloch, for his work in physics; the Hébert prize to François Bedeau, for his *Traité de Télégraphie sans Fil* and his research on methods for measurements in high frequencies; the Hughes prize to René Lucas, for his work in electro-optics; the Clément-Félix prize to Marcel Laporte, for his research on the properties of ions and the electric luminescence of gases; the Montyon prize in statistics jointly to Pierre Jérôme, for his statistical work as a whole, and to Louis Potin, for his statistical work as a whole and in particular for his numerical tables; an Henri de Parville prize for a scientific publication to Pierre Sergescu, for his work entitled *Les Sciences Mathématiques*; the Grand Prix of the mathematical sciences to Emil Cotton, for his scientific work as a whole; the Houllé prize to Léon Brillouin, for his research and works on modern mathematical statistics; the Jules Mahyer prize to Pierre Humbert, for his work in mathematical analysis; a prize from the Becquerel foundation to Yves Rocard, for his work in the kinetic theory of gases and in optics; a prize from the Frémont foundation to Pierre Vernotte, for his work on the propagation of heat, by conduction or convection.

The Ramanujan Memorial prize, offered by the University of Madras for a thesis submitted by an Indian (or a person domiciled in India) on some definite branch of mathematics, pure or applied, has been divided equally among the following: S. Chandrasekhar, fellow of Trinity College, Cambridge; S. Chowla, reader in mathematics, Andhra University, Waltair, India; D. D. Kosambi, professor of mathematics, Ferguson College, Poona, India.

The annual prize of the American Association for the Advancement of Science has been awarded to Dr. V. A. Knudsen, of the University of Cali-

fornia at Los Angeles, for his paper entitled *The absorption of sound in gases*, read at a joint session of the American Physical Society and the Acoustical Society of America, meeting under Section B (physics) of the Association.

Albert Caquot has been elected a member of the Paris Academy of Sciences in the section of mechanics, as successor to the late Paul Vieille.

The University of Brussels has conferred honorary doctorates on Professors P. Debye, of the University of Leipzig, and R. von Mises, of the University of Istanbul.

Professor A. E. Joliffe, of the department of mathematics at King's College, University of London, has been appointed fellow of the College. He is also an honorary fellow of Corpus Christi College, Oxford, and of Jesus College, Oxford.

The University of London has conferred an honorary doctorate on Dr. Karl Pearson, professor emeritus at that University.

Dr. A. H. Compton, professor of physics at the University of Chicago, was awarded the honorary degree of master of arts on the occasion of the opening of his lectures as George Eastman visiting professor at the University of Oxford.

Dr. Irving Langmuir, of the General Electric Company, has been awarded the Fourth Order of the Rising Sun by the government of Japan.

Professor Frank Löbell, of the Stuttgart Technical School, has been appointed professor of geometry at the Munich Technical School.

Professor Wilhelm Müller, of the German Technical School of Prag, has been appointed professor of mechanics at the Technical School at Aachen.

Dr. Fritz Noether, formerly professor of mechanics at the Breslau Technical School, and Dr. Stefan Bergmann, formerly of Berlin, have been appointed to the faculty of the research Institute of Mathematics and Mechanics at the Kujbyscheff University at Tomsk.

Dr. Hilda Pollaczek-Geiringer, formerly of the University of Brussels, has been appointed associate professor of mathematics at the University of Istanbul.

Professor F. A. Willers, of the School of Mines of Freiburg in Saxony, has retired.

The following transfers have taken place in the Italian Universities: Professor G. Ascoli, from Pisa to Milan (infinitesimal analysis); Professor Enea Bortolotti, from Cagliari to Florence (algebraic analysis); Professor U. Crudele, from Cagliari to Palermo (mathematical physics); Professor G. Giorgi, from Palermo to Rome (telegraphy and telephony); Professor E. Gugino, from Messina to Palermo (rational mechanics).

Dr. G. Vivanti, professor of calculus in the University of Milan, has retired, having attained the limiting age.

A greatly enlarged program of teaching and research in mathematical statistics is being undertaken at Columbia University this year. Research under the auspices of the Carnegie Corporation is being conducted with Professor Harold Hotelling as director, with a view to clarifying the foundations of statistical methods and extending their scope, and particularly in the development of tests of significance and criteria of accurate estimation. For this work Dr. J. L. Doob has been appointed research associate, and Margaret H. Richards and W. C. Madow research assistants. Professor Felix Bernstein, founder and formerly head of the Göttingen Institute of Mathematical Statistics, is at Columbia University this year as visiting professor of mathematics. A course of training in mathematical statistics has been arranged by the coordination of courses in the departments of mathematics, economics, and astronomy; it includes *Probability*, by B. O. Koopman, *Statistical inference* and *Mathematical economics*, by Harold Hotelling, *Mathematics of heredity and evolution*, by Felix Bernstein, and training in the use of card tabulating and calculating machines, interpolation, and finite differences, by W. J. Eckert.

During the Summer Quarter of 1935 at the University of Chicago, Professors G. A. Bliss and L. M. Graves will conduct a seminar in the calculus of variations, in which Professor E. J. McShane, Dr. M. R. Hestenes, Dr. W. T. Reid, Dr. Max Coral, and others who may be interested, will participate. It is planned to select topics of discussion in accord with the special interests of those who attend.

Professor B. H. Camp has been given funds from the endowment for research at Wesleyan University, to carry on work on problems which have been submitted by the research committee of the American Statistical Association. These are chiefly economic problems for which a statistical analysis is desired.

The announcement in the September, 1934, number of this Bulletin that Assistant Professor Morgan Ward, of the California Institute of Technology, had been appointed to an assistant professorship at the Institute for Advanced Study is erroneous. Professor Ward, and also Professors Alonzo Church, Jesse Douglas, Carl Eckart, C. N. Moore, J. L. Walsh, and Oscar Zariski, are on leave of absence from their respective institutions for the academic year 1934-35 and are in residence at the Institute for Advanced Study, with the title of "worker" at the Institute.

Professor T. H. Hildebrandt has been appointed chairman of the department of mathematics at the University of Michigan, as successor to Professor J. W. Glover. Professor Glover remains in the faculty, as "James Olney distinguished professor."

At Brown University, Max Astrachan has been appointed to an instructorship.

Professor O. D. Chwolson, formerly professor of mathematical physics at the University of Leningrad, died May 11, 1934, at the age of eighty-two.

Dr. Walter von Dyck, formerly professor of mathematics at the Munich Technical School, is dead.

Professor J. G. Gray, of the University of Glasgow, known for his work in the theory and invention of gyroscopes, died November 6, 1934, at the age of fifty-eight.

Sir Horace Lamb, F. R. S., formerly professor of mathematics at the University of Manchester, known for his work in mathematical physics, especially hydrodynamics, died December 4, 1934, at the age of eighty-five.

Professor M. D. Earle, of Furman University, died September 13, 1934.

Professor G. L. Hosmer, of the department of civil engineering at the Massachusetts Institute of Technology, died January 10, 1935, at the age of sixty.

Professor Louis Ingold, of the University of Missouri, died of heart disease at Columbia, Missouri, on January 25, 1935, at the age of sixty-three years. He had been a member of this Society since 1904. He taught in the Department of Mathematics at the University of Missouri in various ranks, beginning in 1905, and was made professor of mathematics in 1924.

Professor J. A. McLaughlin, of St. Bonaventure's College, died in November, 1934.

Sister Marie Cecilia Mangold, professor of mathematics at Trinity College, Washington, D. C., died February 9, 1934.