

NOTES

For members of the Society who would like to have the photograph of the late George David Birkhoff and the tribute written by Rudolph Ernest Langer which appeared at the beginning of volume 60 of the *TRANSACTIONS* of the American Mathematical Society, the Society has had prepared some reprints which contain the photograph, dedication and eulogy between covers. Members may obtain a copy by sending a request to the Society accompanied by fifteen cents in stamps.

A mathematical institute, Mathematisch Centrum, was organized in Amsterdam in February, 1946, as a private foundation with support from the government of the Netherlands and of the city of Amsterdam. The general aim is to contribute to the development of pure and applied mathematics by arranging lectures and conferences, by supporting mathematical publications, by initiating and organizing mathematical research, and by providing a library and research center.

Professors Garrett Birkhoff and J. H. Van Vleck of Harvard University are members of the Advisory Committee of the recently organized American Institute of France, Incorporated. The Institute is designed to provide opportunities to American students and younger scholars to study in French institutions of learning, and to French scholars to study in American institutions. It also aims to provide specialized assistance to individual students and scholars, and to evaluate systematically work done abroad so that students may be properly accredited upon returning to their respective countries.

The University of Michigan announces a Conference on Algebra to be held Friday to Monday, July 25–28, 1947. Those who wish to present papers at the Conference, or who wish further information about it, are invited to communicate with R. M. Thrall, Department of Mathematics, University of Michigan.

The Institute of Mathematical Statistics has announced the election of these officers: President, Professor William Feller of Cornell University; Vice Presidents, Dr. J. H. Curtiss, Assistant to the Director of the National Bureau of Standards, and Mr. M. H. Hansen of the Bureau of the Census; Secretary-Treasurer, Professor P. S. Dwyer of the University of Michigan.

Professor Harald Cramér of the University of Stockholm has been awarded an honorary doctorate of science by Princeton University. During the spring term he has been visiting professor at Yale University.

Professor Heinz Hopf of the University of Zurich has been awarded an honorary doctorate of science by Princeton University. He is now visiting professor at Princeton University.

Professor J. W. Alexander of the Institute for Advanced Study has been awarded an honorary doctorate of science by Princeton University.

Professor J. R. Kline of the University of Pennsylvania has been elected to membership in the Society of Science and Letters at Warsaw.

Mr. W. D. Lambert of the United States Coast and Geodetic Survey has been elected correspondent of the French Academy of Sciences.

Mr. Milton Abramowitz of the Mathematical Tables Project, New York City, has received a Certificate of Award from the Navy Department.

Dr. A. S. Householder of the Monsanto Chemical Company has received a Bureau of Ordnance development award.

Mr. Jack Laderman of the Mathematical Tables Project, New York City, has received an award from the War Department.

Professor E. B. Wilson of the School of Public Health, Harvard University, has retired with the title emeritus.

Dr. A. Erdélyi of the University of Edinburgh has been appointed to a visiting professorship at the California Institute of Technology for the year 1947–1948. He will complete and edit certain works of the late Professor Harry Bateman.

Professor Cristobal de Losada y Puga of the Catholic University of Peru has been nominated by the President of the Republic of Peru as Minister of Public Education.

Dr. A. G. Walker of the University of Liverpool has been appointed to a professorship at the University of Sheffield.

Dr. P. H. Anderson, formerly with the War Assets Administration, has been appointed economic analyst with the Marketing Division, Office of Domestic Commerce, Commerce Department.

Dr. R. P. Bailey has been appointed to an associate professorship at the United States Naval Academy. This appointment was incorrectly announced in the January 1947 issue of this Bulletin.

Assistant Professor Herbert Busemann of Smith College has been appointed to a professorship at the University of Southern California.

Mr. Albert Cahn has accepted a position as mathematician with the Machinery Development Section of the National Bureau of Standards.

Mr. F. M. Carpenter of the State University of Iowa has been

appointed to an assistant professorship at Missouri School of Mines, Rolla, Missouri.

Assistant Professor Lola M. Christy of Westminster College, New Wilmington, Pennsylvania, has retired.

Associate Professor H. S. M. Coxeter of the University of Toronto has been appointed visiting professor at the University of Notre Dame.

Mr. Paul Cramer of Huron College, Huron, South Dakota, has been appointed to an assistant professorship at Monmouth College, Monmouth, Illinois.

Dr. R. H. Downing of Fleetwings, Incorporated, Bristol, Pennsylvania, has been appointed to a professorship at the Army Air Forces Institute of Technology, Wright Field, Dayton, Ohio.

Assistant Professor B. H. Gere of the United States Naval Academy has been appointed to an associate professorship at Hamilton College.

Assistant Professor M. J. Gottlieb of Washington University is on leave of absence this term to work at the Institute for Advanced Study.

Professor L. E. Gurney of the University of Southern California has retired.

Assistant Professor J. F. Heyda of Franklin and Marshall College has accepted a position as a research mathematician at the Naval Ordnance Plant, Indianapolis, Indiana.

Dr. Herbert Jehle of the Franklin Institute has been appointed to an assistant professorship in the physics department of the University of Pennsylvania.

Professor Theodore Lindquist of Michigan State Normal College, Ypsilanti, Michigan, has retired.

Dr. J. K. L. MacDonald has been appointed to a professorship of mathematical physics at New York University.

Dr. Z. I. Mosesson of the Prudential Insurance Company of America, Newark, New Jersey, has been appointed assistant mathematician.

Dr. P. F. Neményi has accepted a position as physicist with the Naval Ordnance Laboratory at White Oak, Silver Spring, Maryland.

Professor Oystein Ore of Yale University has been on leave of absence this term.

Professor H. E. Spencer of Presbyterian College, Clinton, South Carolina, has been appointed to an assistant professorship at Virginia Polytechnic Institute.

The following promotions are announced:

O. K. Bower, University of Illinois, to an assistant professorship.

K. A. Bush, Mohawk College, to an associate professorship.

E. A. Cameron, University of North Carolina, to a professorship.

C. M. Erikson, Michigan State Normal College, Ypsilanti, Michigan, to a professorship.

V. A. Hoyle, University of North Carolina, to a professorship.

J. C. C. McKinsey, Oklahoma Agricultural and Mechanical College, to a professorship.

E. N. Oberg, State University of Iowa, to an associate professorship.

E. L. Welker, University of Illinois, to an associate professorship.

The following appointments to instructorships are announced: University of Arkansas: Mr. E. L. Eagle; University of Buffalo: Miss Helen M. Mazzuca, Mr. L. O. Ramer; University of Illinois: Miss Vivian R. Nuess, Dr. Jewell E. Schubert; Iowa State College of Agriculture and Mechanical Arts: Mrs. R. S. Banton, Mrs. J. V. Carr, Miss Bette L. Flatland, Mr. J. W. Markey, Mr. J. H. Watson; Ohio State University: Dr. Marjorie Alden; Queens College: Mr. Jack Moshman; United States Naval Academy: Mr. B. H. Buikstra; Westminster College, New Wilmington, Pennsylvania: Mr. W. A. Gibson; University of Wisconsin at Rhinelander: Miss Lillian Zarleng.

Word has been received of the death of Professor Ettore Bortolotti of the University of Bologna on February 17, 1947, at the age of eighty years.

Professor H. M. Ackley of Western Michigan College of Education, Kalamazoo, Michigan, died February 8, 1947.

Mr. H. G. Avers of the United States Coast and Geodetic Survey died January 19, 1947.

Associate Professor J. F. Butler of the University of Detroit died February 18, 1947, at the age of fifty-one years. He had been a member of the Society since 1932.

Mr. R. V. A. Carpenter died on March 11, 1947. He had been a member of the Society since 1921.

Professor Emeritus B. F. Finkel of Drury College died on February 5, 1947. He had been a member of the Society since 1891.

Professor Emeritus W. A. Moody of Bowdoin College died on February 3, 1947. He joined the Society in 1891.

Mr. William Orange of Los Angeles City College died December 9, 1946.

Professor Emeritus B. L. Remick of Kansas State College died on March 18, 1947, at the age of seventy-nine years. He had been a member of the Society since 1913.

Professor J. V. Uspensky of Stanford University died on January 27, 1947. He had been a member of the Society since 1929.

Reverend G. L. Winkelmann of St. John's University, Collegeville, Minnesota, died January 23, 1947.

The following fifty-seven doctorates, with mathematics or mathematical physics as a major subject, were conferred during 1946 in universities in the United States and Canada; the major subject is mathematics unless otherwise specified. The university, month in which degree was conferred, minor subject (other than mathematics) and the title of the dissertation are given in each case if available.

E. W. Barankin, California, June, *The characteristic values of linear transformations*.

P. T. Bateman, Pennsylvania, September, *On the representations of a number as the sum of three squares*.

Grace E. Bates, Illinois, June, *Free loops and nets and their generalizations*.

Richard Bellman, Princeton, October, *On the boundedness of solutions of non-linear difference equations*.

Kathleen E. Butcher, Michigan, October, *Topology of contiguous point spaces*.

J. D. Campbell, Illinois, June, *The parametric theory of singular parabolic partial differential equations*.

R. E. Carr, Iowa State, December, minor in chemistry and mathematical physics, *Enantiomorphism in mathematical models of organic molecules*.

S. H. Crandall, Massachusetts Institute of Technology, February, minor in electrical engineering, *On the Fourier series of the square of a function*.

D. R. Crosby, Princeton, October, *Tensor analysis in Finsler space and the problem of a unified theory of gravitation and electromagnetism*.

G. B. Dantzig, California, June, I. *Complete form Neyman-Pearson fundamental lemma*. II. *On the non-existence of tests of "student's" hypothesis having power functions independent of sigma*.

M. H. M. Esser, Northwestern, May, minor in physics, *Spectral expansion for self-adjoint differential transformations and for arbitrary self-adjoint transformations*.

Sister M. Celine Fasenmeyer, Michigan, March, *Some generalized hypergeometric polynomials*.

W. A. Ferguson, Illinois, June, minor in physics, *On the classification of finite metabelian groups with six generators*.

N. J. Fine, Pennsylvania, June, *On the Walsh functions*.

E. G. Fischer, Pittsburgh, June, minor in engineering, *Shock-excited lateral vibrations of a uniform bar with hinged ends.*

H. J. Greenberg, Brown, October, *The determination of upper and lower bounds for the solution of the Dirichlet problem.*

Edison Greer, Kansas, November, *A study of analytic surfaces by means of a projective theory of envelopes.*

G. H. Handelman, Brown, June, I. *Some problems in the study of thin-walled plastic sections.* II. *Aerodynamic pursuit curves for overhead attacks.*

E. L. Harder, Pittsburgh, June, *Solution of the general voltage regulator problem by electrical analogy.*

F. F. Helton, Illinois, October, minor in physics, *Quasi-analyticity related to sets of positive measure of functions of a complex variable.*

Erik Hemmingsen, Pennsylvania, June, *Some theorems in dimension-theory for normal Hausdorff spaces.*

Alfred Horn, California, June, *The asymptotic behavior of solutions of integral equations.*

A. R. Jacoby, Chicago, December, *Iterated integrals in the calculus of variations.*

R. C. James, California Institute of Technology, September, minor in physics, *Orthogonality in normed linear spaces.*

Bjarni Jónsson, California, September, *Direct decompositions of finite algebraic systems.*

Madeline Johnsen, Stanford, June, *Approximate evaluation of double probability integrals.*

L. G. Jones, Massachusetts Institute of Technology, June, minor in physics, *Differential equations with discontinuous right member.*

Leo Katz, Michigan, June, *Characteristics of frequency functions defined by first order difference equations.*

W. M. Kincaid, Brown, October, I. *On non-cut sets of locally connected continua.* II. *An application of orthogonal moments to problems in statically indeterminate structures.* III. *Numerical methods for finding characteristic roots and vectors of matrices.*

E. A. Knoblauch, Pennsylvania, June, *Extensions of homeomorphisms.*

H. G. Landau, Pittsburgh, June, *On the relations between certain criteria for the estimation of statistical parameters.*

Joseph Landin, Notre Dame, June, *Axiomatic theory of a singular non-Euclidean plane.*

E. L. Lehman, California, June, *Optimum tests of a certain class of hypotheses specifying the value of a correlation coefficient.*

W. S. Loud, Massachusetts Institute of Technology, September,

minor in physics, *On the stationary solutions of van der Pol's equation with a forcing term.*

R. C. Lyndon, Harvard, October, *The cohomology theory of group extensions.*

G. R. MacLane, Rice, March, *Concerning the uniformization of certain Riemann surfaces allied to the inverse cosine and inverse gamma surfaces.*

P. R. Masani, Harvard, February, *Multiplicative Riemann integration in normed rings.*

Margaret S. Matchett, Indiana, June, *On the zeta function for idèles.*

Kenneth May, California, September, *On the mathematical theory of employment.*

H. J. Miser, Ohio State, August, *Generalized conformal representations of Fréchet surfaces.*

Kathryn A. Morgan, Stanford, June, *Representation of a positive binary form by a positive quaternary form.*

C. F. Mosteller, Princeton, October, *On some useful "inefficient" statistics.*

N. D. Nelson, Wisconsin, May, major in logic, *Recursive functions and intuitionistic number theory.*

M. H. Protter, Brown, June, *Generalized spherical harmonics.*

R. B. Saunders, Minnesota, June, minor in physics, *Polynomial approximation over certain infinite intervals.*

A. E. Schild, Toronto, June, *A new approach to kinematic cosmology.*

Jewell E. Schubert, Illinois, June, *Groups of order 3^m and class 3.*

E. J. Scott, Cornell, September, *Summability of the geometric series.*

R. H. Stark, Northwestern, August, minor in physics, *Some classes of monotone functions.*

J. C. Stewart, Illinois, October, *Between surfaces of revolution.*

E. B. Tolsted, Brown, June, *Limiting values of subharmonic functions.*

R. D. Wagner, Wisconsin, September, *The generalized Laplace equations in a function theory for commutative algebras.*

D. W. Western, Brown, June, *Inequalities of the Markoff and Bernstein type for integral norms.*

Ernest Williams, Michigan, June, *An invariant decomposition of a symmetric tensor of rank two in pseudo-Euclidean space.*

C. L. Woods, Ohio State, June, minor in physics, *A restricted class of convex functions.*

Margaret Y. Woodbridge, New York, February, *Variational problems with Euler equations of reduced order.*

Marie A. Wurster, Chicago, June, *A calculus of variations problem with required corners.*

Daniel Zelinsky, Chicago, August, *Integral sets in quaternions algebras.*

The following doctorates were conferred in 1945, but were not included in the list in the preceding volume of this Bulletin (vol. 52 pp. 412-413).

C. L. Carroll, North Carolina, February, *Normal simple Lie algebras of Type D and order 28 over a field of characteristic zero.*

Fei Tsao, Minnesota, December, *General solution of the analysis of variants and convariants in the case of unequal or disproportionate numbers in the subclasses.*