NOTES

A Florida Academy of Science has been founded by members of the University of Florida, the Florida State College for Women, and the University of Miami. A charter was applied for and granted in February. Professor J. H. Kusner, of the University of Florida, was elected secretary of the organization.

At the annual meeting of the Royal Astronomical Society of Canada on January 14, 1936 Professor William Findlay, of McMaster University, was elected vice-president.

A semi-popular symposium on mathematics was held at the University of Cincinnati under the auspices of the Taft Memorial Fund on February 29, 1936, with about two hundred fifty persons in attendance from the University of Cincinnati and neighboring institutions. Professor Boris Podolsky, of the University of Cincinnati, spoke on *The reasons for relativity and quantum mechanics;* Dean G. D. Birkhoff, of Harvard University, on *The logical basis of quantum mechanics;* and Professor L. H. Thomas, of Ohio State University, on *The assumptions of quantum statistics.* About seventy persons attended a dinner held at the Sinton Hotel, at which Dean Birkhoff gave an address on *The spirit of scholarship.*

Seminars in economics and in mathematical statistics will be held under the auspices of the Cowles Commission for Research in Economics at Colorado Springs from July 6 to August 8. Information can be secured by addressing the Commission at Colorado Springs.

At meetings of Section A of the American Association for the Advancement of Science, on Thursday morning and afternoon, June 18, in Rochester, New York, the following papers will be presented by invitation of the program committee: *The role of infinity in the cosmology of Epicurus,* by C. J. Keyser; *Mathematics—a science and a fine art,* by W. A. Hurwitz; *Curves on algebraic surfaces,* by T. R. Hollcroft; *Convergence in the mean,* by R. T. Agnew. Dean A. S. Gale of the University of Rochester will act as Secretary of the Section and as Chairman of the program committee.

The Adams Smith prize at Cambridge has been awarded to V. K. R. K. Rao, of Gonville and Caius College. The prize is offered annually for an essay on some unsettled question in economic science or in some branch of economic history or statistics subsequent to the year 1800.

The Council of the British Institution of Chemical Engineers has awarded the Moulton Gold Medal for 1935 to R. W. Powéll and Dr. Ezer Griffiths for their paper on *The evaporation of water from plane and cylindrical surfaces.*

The Royal Academy of Belgium has awarded prizes for the year 1935 to Professor B. Segre, of the University of Bologna, for a memoir entitled *Quelques résultats nouveaux dans la géométrie sur une V₃ algébrique,* and jointly to M. J. Van Mieghem and M. F. Bureau, for their memoirs on the theory of Huygen's principle.

The gold medal of the Royal Astronomical Society for 1936 has been awarded to Professor H. Kimura, director of the International Latitude Observatory at Mizusawa, Japan.

The Lamme Medal of the American Institute of Electrical Engineers has been awarded to Professor Vannevar Bush, of the Massachusetts Institute of Technology, "for his development of methods and devices for application of mathematical analysis to problems of electrical engineering." The medal and certificate will be presented to him at the annual summer convention of the institute, which is to be held in Pasadena, June 22–26.

Associate Professor Nola L. Anderson of the Sophie Newcomb College of Tulane University, has been promoted to a professorship in mathematics.

Professor J. W. Alexander, of the Institute for Advanced Study, Princeton, has been appointed Rouse Ball lecturer in mathematics at the University of Cambridge for the present academic year.

Assistant Professor Frederic R. Bamforth, of the Ohio State University, has been promoted to an associate professorship in mathematics.

The second John Howard Appleton Lecture of Brown University for the year 1935–36 was delivered on April 6, by Professor Arthur Haas, of the University of Vienna. His subject was *Fundamental ideas of modern physics.*

Assistant Professor John S. Gold, of Bucknell University, has been promoted to an associate professorship in mathematics.

The honorary degree of doctor of laws was conferred on Dr. Irving Langmuir, of the General Electric Company, by the Johns Hopkins University on February 22, 1936.

Dr. Harald Geppert, of the University of Giessen, has been promoted to a full professorship in mathematics.

Mr. W. V. D. Hodge, lecturer in mathematics and fellow of Pembroke College, has been appointed to succeed Professor H. F. Baker as Lowndean professor of astronomy and geometry. Professor Baker will retire at the end of the present academic year.

Assistant Professor Lincoln LaPaz, of the Ohio State University, has been promoted to an associate professorship in mathematics.

Professor Cristobal de Losada y Puga, of the Catholic University of Peru, has been appointed to a professorship in mathematical physics at the Universidad Mayor de San Marcos. He will retain at the same time his position at the Catholic University.

Dr. M. H. Seifert, of the Polytechnic School of Dresden, has been appointed professor and director of the Mathematical Institute of the University of Heidelberg.

Assistant Professor A. A. Shaw, of the University of Arizona, has been promoted to an associate professorship in mathematics.

Professor Georg Wiarda, of the Dresden Technical School, has been appointed to a professorship at the Stuttgart Technical School.

The following eighty-one doctorates, with mathematics or mathematical physics as major subject, were conferred during 1935 in universities in the United States and Canada; the major subject is mathematics unless otherwise specified. The university, month in which the degree was conferred, minor subject (other than mathematics), and title of dissertation are given in each case, if available.

L. A. Alden, California Institute of Technology, June, major in mathematical physics, *The effect of configuration interaction on intensity anomalies.*

Max Astrachan, Brown, June, *Studies in the summability of Fourier series by Nörlund means.*

A. S. Avakian, Massachusetts Institute of Technology, June, minor in physics, *Almost periodic functions and the vibrating membrane.*

R. P. Bailey, Pennsylvania, February, *Convergence of sequences of positive linear functional operations.*

Gertrude Blanch, Cornell, September, *Properties of the Veneroni transformation in S_4.*

C. E. Buell, Washington University (St. Louis), May, minor in physics, *An investigation on the location of the zeros of Jacobi polynomials and polynomials related thereto.*

E. J. Camp, Chicago, June, *The motion of an unsymmetric top.*

E. W. Cannon, Johns Hopkins, June, *On complex orthogonal four-rowed matrices with applications to Lorentz matrices and semi-vectors.*

J. W. Cell, Illinois, June, *Second order linear differential equations invariant with respect to linear fractional substitution groups of finite order.*

L. H. Chambers, Cornell, June, minor in physics, *On (2, 2) planar correspondences.*

W. R. Church, Yale, June, *Theory of finite distributive free structures.*

B. G. Clark, Illinois, February, minor in astronomy, *The configuration of six points of the plane.*

J. A. Cooley, Illinois, June, minor in physics, *Certain symmetric surfaces and curves invariant in De Jonquières transformations.*

A. P. Cowgill, Nebraska, June, minor in civil engineering, *On the summability of a certain class of series of Jacobi polynomials.*

J. H. Curtiss, Harvard, June, I. *Interpolation in transforms of the roots of unity.* II. *The Jacobi interpolation series on the lemniscate of convergence.*

Wayne Dancer, Michigan, June, *Concerning symmetrical cut sets.*

E. R. Elliot, Duke, June, minor in applied mathematics, *A mixed boundary-value problem for the heat equation.*

W. H. Erskine, Johns Hopkins, June, *On the Lagrangians of the new field theory.*

G. M. Ewing, Missouri, June, *A contribution to the theory of discontinuous solutions in the calculus of variations.*

M. J. Fish, Massachusetts Institute of Technology, June, minor in physics, *A particular boundary value problem.*

Edward Fleischer, New York, *On Euler squares.*

M. M. Flood, Princeton, April, *Division by non-singular matric polynomials.*

A. H. Fox, Yale, June, *Differential equations with continuous spectra.*

Jeannette Fox, Yale, June, *Existence of a Euclid algorithm in quadratic fields.*

G. A. Garrett, Rice Institute, June, *Necessary and sufficient conditions for potentials of single and double layers.*

K. S. Ghent, Chicago, August, *On sums of values of a polynomial multiplied by constants.*

E. H. Hanson, Ohio State, December, *A theorem of Denjoy, Young, and Saks. The tau limit.*

F. S. Harper, State University of Iowa, August, minors in applied mathematics and physics, *An actuarial study of infant mortality.*

E. G. Harrell, State University of Iowa, August, minor in applied mathematics, *On the topology of a two-parameter, non-metric, and non-separable space.*

E. A. Hedberg, Missouri, August, *Rings and modular systems.*

Paul Herget, Cincinnati, *The determination of orbits.*

Fritz Herzog, Columbia, May, *Systems of algebraic mixed differential equations.*

Sister Laetitia Hill, Catholic University, June, minors in physics and mechanics, *The quadrilaterals in- and circumscribed to the rational unicuspidal quartic curve.*

Ingomar Hostetter, Washington, August, minor in physics, *A new solution of the simplest problem of the calculus of variations by vector methods.*

G. B. Huff, Illinois, June, minor in physics, *Discontinuous groups associated with the Cremona groups.*

P. M. Hummel, Ohio State, August, *Continued fractions and matrices.*

M. Gweneth Humphreys, Chicago, August, *On the Waring problem with polynomial summands.*

J. T. Hurt, Rice Institute, June, *On the uniformly bounded turning of level curves of the Green's function.*

W. L. Hutchings, California (Berkeley), May, *On a certain canonical form of a system of two linear, homogeneous differential equations of the second order, with applications to the theory of ruled surfaces.*

E. D. Jenkins, Ohio State, March, *The composition of quadratic forms.*

A. E. Johns, Toronto, June, minor in quantum mechanics, *On the bilinear transformation in the real plane.*

F. B. Jones, Texas, June, minor in physical chemistry, *Concerning R. L. Moore's axiom 5_1.*

W. J. Kirkham, Indiana, June, major in applied mathematics, minor in physics, *The normal structure of pentatomic molecules of the type XY_4.*

Walter Leighton, Jr., Harvard, June, *The minimizing of a singular quadratic functional.*

Norman Levinson, Massachusetts Institute of Technology, June, minor in electrical engineering, *On the non-vanishing of a function.*

H. M. MacNeille, Harvard, June, *Extensions of partially ordered sets.*

Henry Malin, Massachusetts Institute of Technology, June, minor in physics, *On gap theorems.*

J. L. Maulbetsch, Michigan, February, major in engineering mechanics, *Direct methods of the calculus of variations with applications to the problem of torsion, and thermal stresses in plates.*

R. A. Merrill, Wisconsin, October, major in physics, *Spectral multiplets belonging to configurations of the type $d^k ms\, d^k msns$.*

R. J. Michel, Missouri, August, *A Galois theory in a reducible ring.*

Harriet F. Montague, Cornell, June, minor in logic, *Certain non-involutorial Cremona transformations of hyperspace.*

F. J. Murray, Columbia, June, *The theory of linear transformations between Hilbert spaces and the application of this theory to partial differential equations.*

G. D. Nichols, Nebraska, August, minors in physics and philosophy, *The arithmetized series expansions for certain pseudo-periodic functions with some number theoretic applications.*

E. N. Oberg, Minnesota, June, minor in physics, *Approximate solutions of integral equations.*

Arthur Ollivier, State University of Iowa, August, minor in applied mathematics, *On certain mathematical developments underlying an analysis of general death rates.*

E. M. J. Pease, Massachusetts Institute of Technology, June, minor in electrical engineering, *On the relationship between simple distillation and true boiling-point curves of complex mixtures the components of which obey Raoult's law.*

I. E. Perlin, Chicago, December, *Sufficient conditions for a minimum in the problem of Lagrange with isoperimetric conditions.*

A. E. Pitcher, Harvard, June, *Certain invariants of closed extremals.*

A. R. Poole, California Institute of Technology, June, minor in physics, *Finite ova.*

F. A. Rickey, Louisiana, *Foundations of differential geometry.*

R. M. Robinson, California (Berkeley), May, *Some results in the theory of schlicht functions.*

Rafael Sanchez-Diaz, California (Berkeley), May, *A new method of factorization supplementary to the factor stencils.*

S. T. Sanders, Jr., State University of Iowa, August, minor in applied mathematics, I. *Derived sets and their complement;* II. *The characterization of certain set-valued set-functions.*

Henry Scheffé, Wisconsin, June, *The asymptotic solutions of certain linear differential equations in which the coefficient of the parameter may have a zero.*

C. G. Schilling, Illinois, June, minor in physics, *Some geometric applications of algebraic correspondences.*

Sister Mary Leontius Schulte, Michigan, February, *Additions in arithmetic, 1483–1700, to the sources of Cajori's "History of mathematical notations" and Topfke's "Geschichte der Elementar-mathematik."*

R. Q. Seale, Stanford, June, minor in physics, *A simple proof of Minkowski's theorem on the product of two linear forms.*

Ching Lai Shen, Michigan, June, *Fundamentals of the theory of inverse sampling.*

Yu-cheng Shen, Harvard, February, *On interpolation and approximation to an analytic function by rational functions with preassigned poles.*

Ruth C. Stauffer, Bryn Mawr, June, *The construction of a normal basis in a separable normal extension field.*

A. H. Taub, Princeton, June, *Quantum equations in cosmological spaces.*

Mary M. Taylor (Mrs. E. R. Speer), Pittsburgh, June, *Reciprocals of certain curves and surfaces with respect to a space cubic curve.*

G. B. Van Schaack, Harvard, June, *Topics in the theory of critical points.*

H. E. Vaughan, Michigan, June, *Local Betti numbers.*

E. E. Walden, Illinois, February, minor in physics, *Algebraic surfaces invariant under the symmetric G_{120} with special reference to quintics and sextics.*

J. F. Wardwell, Johns Hopkins, June, *Continuous transformations preserving all topological properties.*

M. S. Webster, Pennsylvania, June, *On the zeros of Jacobi polynomials, with applications.*

C. P. Wells, Iowa State, August, minors in mathematical physics and physics, *Calculation of the ionization potential of lithium.*

L. R. Wilcox, Chicago, June, *Pairs of surfaces in five-dimensional space.*

L. A. Wolf, Wisconsin, October, *Similarity of matrices in which the elements are real quaternions.*

M. C. Wolf, Wisconsin, October, *Symmetric functions of matrices.*

The following doctorates were conferred in 1934 but not included in the list in the preceding volume of this Bulletin (vol. 41, pp. 320–324):

Solomon Kullback, George Washington University, June, major in theoretical statistics, *An application of characteristic functions to the distribution problem in statistics.*

Sister Mary Cleophas Garvin, St. Louis, June, *A generalized Lambert series.*

The following doctorate was conferred in 1932 but not included in the list in volume 39 of this Bulletin (pp. 338–341):

A. J. Lewis, Denver, August, minors in physics and celestial mechanics, *The solution of algebraic equations with one unknown quantity by infinite series.*

The following doctorates were conferred in 1930 but not included in the list in volume 37 of this Bulletin (pp. 159–163):

J. A. McLaughlin, St. Bonaventure, June, *Identities, equations, and systems of equations.*

R. S. Park, Kentucky, June, *On certain identities in theta functions.*

Dr. E. P. Adams, Henry professor of physics at Princeton University, has been granted leave of absence for the second semester of this academic year.

Assistant Professor R. H. Marquis, of Ohio University, has been promoted to an associate professorship.

Dr. J. A. Miller, research professor of astronomy at Swarthmore College and director of the Sproul Observatory, has retired.

Dr. Emma J. Olson has been appointed to an assistant professorship at Concordia College.

The note regarding the promotion of Professor H. P. Robertson on p. 20 of this volume is in error. Professor Robertson has held an associate professorship at Princeton University since 1931.

Assistant Professor G. W. Starcher, of Ohio University, has been promoted to an associate professorship in mathematics.

V. Ramaswamy Aiyar, of Madras, founder of the Indian Mathematical Society, died on January 22, 1936.

Professor Vladimiro Bernstein, of the Universities of Milan and Pavia, died on January 23, 1936.

Professor Louis Crelier, of the University of Berne, died November 28, 1935, at the age of sixty-two years.

Sir Richard Glazebrook, formerly of Cambridge University, died on December 15, 1935, at the age of eighty-one years.

Professor Giulio Lazzeri, of the Naval Academy of Livourne, died September 23, 1935, at the age of seventy-five years.

The death of Professor Reinhold von Lilienthal, of the University of Münster, is reported.

The death of K. J. Sanjana, of Bhavnagar, Kathiawar, is reported.

Professor Caroline Furness, formerly director of the Observatory at Vassar College, died on February 9, 1936.

Professor Emilie N. Martin, formerly of Mount Holyoke College, died on February 8, 1936. She was a member of the Society for thirty-six years.

Dr. J. M. Page, formerly professor of mathematics and dean of the University of Virginia, died on March 12, 1936, at the age of seventy-two years.

Professor W. A. Stone, of the New Mexico Agricultural and Mechanical College, died on December 24, 1935.