NOTES

A copy of G. N. Watson's *Theory of Bessel's Functions* is urgently needed in connection with important war research. Anyone who has a copy he would be willing to sell, or to lend for the duration, is requested to communicate with Dr. Warren Weaver, Chief of the Applied Mathematics Panel, National Defense Research Committee, Room 5500, 49 West 49th Street, New York, N. Y.

Nature reports a tercentenary celebration of Isaac Newton in Great Britain in January. Professor Max Born of the University of Edinburgh was chairman of the celebration and the program included an address by Professor E. T. Whittaker.

The Association for Symbolic Logic has announced the election of the following officers for the year 1943: President, Professor C. H. Langford; Vice President, Professor C. A. Baylis; Secretary-Treasurer, Miss Helen C. Brodie; Members of Executive Committee, Professor Arnold Dresden and Professor F. B. Fitch; Member of Council, Dr. A. M. Turing.

The 1942 Lamme Medal of the American Institute of Electrical Engineers has been awarded to Dr. Joseph Slepian of the Westinghouse Electric and Manufacturing Company.

Dr. H. G. Barone has been appointed to an assistant professorship at Pennsylvania State College.

Dr. H. F. Bright has been appointed to an assistant professorship at Denison University.

Professor Emeritus W. D. Cairns of Oberlin College has been appointed visiting professor of mathematics at the University of New Mexico.

Dr. Nancy Cole of Sweet Briar College is visiting assistant professor at Kenyon College.

Dr. D. W. Hall of Brown University has been appointed to an assistant professorship at the University of Maryland.

Dr. J. F. Heyda of Michigan State College has been appointed to an assistant professorship at Denison University.

Associate Professor R. C. Hildner of Mt. Union College has been appointed to an assistant professorship at the College of Wooster.

Assistant Professor R. N. Johanson of Bradley Polytechnic Institute has been appointed to an assistant professorship at Hamilton College.

Assistant Professor E. M. Justin of the Case School of Applied Science is on leave of absence and is at the University of California.

Dr. Joseph Lehner of Cornell University has accepted a position with the Kellex Corporation of New York City.

Professor E. J. Moulton of Northwestern University is on leave of absence, and Professor H. T. Davis is acting head of the department of mathematics.

Assistant Professor W. H. Myers of San Jose State College has been appointed acting head of the department of mathematics.

Mr. N. D. Nelson of the University of Wisconsin has been appointed to an assistant professorship at Amherst College.

Dr. E. A. Nordhaus of the University of Wisconsin at Milwaukee has been appointed to an assistant professorship at Michigan State College.

The following appointments to instructorships are announced: Allegheny College: Mr. R. E. Smith; Brown University: Mr. D. A. Jonah, Mr. P. C. Rosenbloom; University of Chicago: Mr. H. L. Meyer: Cornell University: Mr. F. W. Dittman; Denison University: Mr. Paul Cramer, Mr. A. C. Moeller, Mr. Robert Sutton, Miss Elaine Van Aken, Mr. Z. A. Wilson; Hamilton College: Dr. V. O. McBrien, Mr. Fritz Steinhardt; Illinois Institute of Technology: Dr. Edward Helly; University of North Carolina: Mrs. F. D. Jacobson, Mr. J. G. McAllister, Mr. E. P. Pearce, Mr. C. A. Phillips, Dr. C. M. Smith, Mr. C. B. Toxey; Pennsylvania State College: Dr. Helen B. Owens, Mr. G. B. Snyder, Mrs. Alice C. Thorpe; University of Rochester: Mr. Frederick Bagemihl; Rutgers University: Mr. J. N. B. Livingood.

The death of Professor David Hilbert of Göttingen University has been reported. He was eighty-one years old.

Dr. W. A. Granville died February 4, 1943, at the age of 79 years. He had been a member of the Society from 1897–1934.

Miss Lilian Hackney of Marshall College died February 4, 1943. She had been a member of the Society since 1923.

Professor H. F. Minssen, chairman of the department of mathe-

matics and vice president of San Jose State College, died February 7, 1943.

Professor H. H. Mitchell of the University of Pennsylvania died March 13, 1943. He had been a member of the Society since 1909.

Professor Emeritus L. M. Passano of Massachusetts Institute of Technology died January 30, 1943.

Assistant Professor N. S. Risley of Fenn College died December 30, 1942.

The death of Mr. Oscar Schmiedel has been reported. He had been a member of the Society since 1892.

Professor M. H. Tyler of Rhode Island State College died December 16, 1942.

Professor J. J. Westemeier of Dowling College, Des Moines, Iowa, died February 1, 1943.

The following seventy-five doctorates, with mathematics or mathematical physics as a major subject, were conferred during 1942 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.

Claire F. Adler, New York University, June, minor in physics, *An isoperimetric problem with an inequality.*

B. H. Arnold, Princeton, June, *Rings of operators on vector spaces.*

S. P. Avann, California Institute of Technology, June, minor in physics, I. *Theory of the τ- and σ-functions in semi-modular lattices.* II. *Lattice automorphisms.*

Sister Saint Augustine Ball, Catholic, November, minor in education, *Power functions and distribution functions related to "Student's test."*

J. C. Bell, Illinois, October, minors in astronomy and physics, *An extension of the parallelism of Cliffird.*

T. A. Botts, Virginia, June, *Sufficient conditions for generalized-curve problems in the calculus of variations.*

H. K. Brown, Michigan, May, *The resolution of boundary value problems by means of the finite Fourier transformation.*

H. E. Burns, Northwestern, June, *Linear operators expressed as Green's functions with special application to the elastic plate problem.*

W. Z. Chien, Toronto, December, minor in civil engineering, *The intrinsic theory of elastic shells and plates.*

D. E. Christie, Princeton, June, *Net homotopy for compacta.*

Paul Civin, Duke, May, minor in physics, *Two-to-one mappings of manifolds.*

W. G. Clark, Kentucky, June, *On generalized quaternion algebras and universal Hermitian forms.*

I. S. Cohen, Johns Hopkins, May, *The structure and ideal theory of local rings.*

L. L. Cronvich, Wisconsin, June, *Deformation of naturally twisted compound beams.*

W. F. Eberlein, Harvard, June, *Closure, convexity, and linearity in Banach spaces.*

W. C. G. Fraser, Toronto, June, *The factorial transform.*

Louis Garfin, Iowa, May, *A comparative study of the underlying principles of certain pension schemes for a staff of employees with special reference to teachers and public employees.*

T. S. George, Duke, May, minor in physics, *Concerning the equilibrium point of the Green's function for an n-dimensional spherical annulus.*

H. F. Gingerich, Illinois, June, minor in physics, *Generalized fields and Desargues configurations.*

Caspar Goffman, Ohio State, June, *On the converses of certain theorems on the symmetric structure of sets and functions.*

Saul Gorn, Columbia, May, *Homomorphisms and modular functionals.*

R. W. Hamming, Illinois, June, minor in physics, *Some problems in the boundary value theory of linear differential equations.*

C. A. Hayes, California (Berkeley), May, *Boundary value problems for elliptic systems of linear partial differential equations.*

L. B. Hedge, Brown, May, I. *Moment problem for a bounded region.* II. *Transformations of multiple Fourier series.*

R. G. Helsel, Ohio State, August, *A geometrical application of integral means.*

Edwin Hewitt, Harvard, June, *A problem of set-theoretic topology.*

Carl Holtom, Chicago, September, *Permanent configurations in the n-body problem.*

Robert Hooke, Princeton, January, *Linear p-adic groups and their Lie algebras.*

R. P. Isaacs, Columbia, June, *A finite difference function theory.*

G. K. Kalisch, Chicago, June, *On special Jordan algebras.*

Samuel Kaplan, Michigan, May, *Homologies in metric separable spaces.*

William Karush, Chicago, June, *Isoperimetric problems and index theorems in the calculus of variations.*

P. J. Kelly, Wisconsin, June, *On isometric transformations.*

D. E. Kibbey, Illinois, February, minor in physics, *Boundary values of analytic functions.*

Mary E. Ladue, Columbia, June, *The conformal geometry of horn angles of higher order.*

P. A. Lagerstrom, Princeton, June, *Measure and integral in partially ordered spaces.*

J. A. Larrivee, Catholic, May, minor in physics, *Effect of the singularities of a rational curve on the symmetric correspondence determined by residuals on tangents.*

Howard Levi, Columbia, May, *On the structure of differential polynomials and on their theory of ideals.*

J. V. Lewis, California (Berkeley), October, *The existence of solutions to Lagrange problems for multiple integrals.*

L. H. Loomis, Harvard, February, *Some studies on simply-connected Riemann surfaces: I. The problem of imbedding. II. Mapping on the boundary for two classes of surfaces.*

R. R. R. Luckey, Cornell, June, *Certain applications of Fourier integrals.*

V. O. McBrien, Catholic, May, minor in physics, *On some systems of orthopolar and Kantor lines related to a quadrangle.*

G. W. Mackey, Harvard, June, *The subspaces of the conjugate of an abstract linear space.*

Murray Mannos, Harvard, June, *Vector lattices of finite dimension.*

N. S. Mendelsohn, Toronto, June, *A group-theoretic characterization of the general projective collineation group.*

C. F. Meyer, George Washington, June, *The theory of the motion and capture of free electrons in crystal dielectric media.*

Josephine M. Mitchell, Bryn Mawr, June, *On double Sturm-Liouville series.*

Vladimir Morkovin, Wisconsin, June, *On the deflection of anisotropic thin plates.*

F. G. Myers, Virginia, June, *On sufficiency conditions for the problem of Lagrange.*

Anne F. O'Neill, Radcliffe, June, *Contributions to the theory of derivates.*

C. R. Phelps, Harvard. June, *A homogeneous algebra with limited associativity.*

E. J. Pinney, California Institute of Technology, June, minor in physics, *Calculus of variations in abstract spaces and related topics.*

Harry Pollard, Harvard, February, *Studies on the Stieltjes transform.*

A. L. Putnam, Harvard, June, *Integral domains complete in a valuation.*

S. E. Rauch, Stanford, June, minor in physics, *Mapping properties of the second arithmetic mean of the geometric series.*

D. L. Robb, Catholic, May, minor in physics, *Special cases of the symmetric correspondence C_6 and their relations to the general C_6.*

Sister Mary de Pazzi Rochford, Notre Dame, May, *Integrability conditions without differentiability assumptions.*

J. D. Rommel, Kentucky, August, *On conservative transformations of functions of two variables.*

R. D. Schafer, Chicago, June, *Alternative algebras over an arbitrary field.*

Robert Schatten, Columbia, December, *On the direct product of Banach spaces.*

C. W. Seekins, California Institute of Technology, June, minor in physics, *Lattice multiplications and residuations.*

H. L. Shih, Harvard, February, *Mappings of a 2-manifold into a space.*

R. D. Specht, Wisconsin, June, *Secondary effects in the simple bending of elliptical beams.*

Domina E. Spencer, Massachusetts Institute of Technology, June, minor in electrical engineering, *A tensor interpretation of Study's "Geometrie der Dynamen."*

Zenon Szatrowski, Northwestern, September, minor in economics, *Solutions of some integro-differential equations.*

H. S. Thurston, Wisconsin, June, *The P-adic numbers of Hensel.*

R. H. Tripp, Iowa State, March, minors in physics and theoretical and applied mechanics, *Statical equilibrium of skew and sector shaped plates.*

Alice E. Turner, Chicago, September, *Singularities of space curves.*

Bernard Vinograde, Michigan, May, *Split rings and their representation theory.*

G. L. Walker, Cornell, February, *Direct product and Lorentz matrices.*

W. R. Wasow, New York University, June, minor in physics, *On boundary layer problems in the theory of ordinary differential equations.*

P. A. White, Virginia, June, *r-regular convergence spaces.*

J. E. Wilkins, Chicago, December, *Multiple integral problems in parametric form in the calculus of variations.*

Jacob Wolfowitz, New York University, June, minor in physics, *Additive partition functions and a class of statistical hypotheses.*

G. S. Young, Texas, June, *Concerning the outer boundaries of certain connected domains.*

The following doctorates were conferred in 1941, but were not in-

cluded in the list in the preceding volume of this BULLETIN (vol. 48, pp. 346–352).

J. A. Daum, Nebraska, August, minor in physics, *Basic hypergeometric series.*

C. H. Frick, North Carolina, June, *The development of formulas for columns with varying moment of inertia and end conditions.*

D. C. May, Princeton, October, *An integral formula for analytic functions of k variables with some applications.*

A. H. Stone, Princeton, October, *Connectedness and coherence.*