

NOTES

A pamphlet entitled *Some military applications of elementary mathematics* has been prepared by the Department of Mathematics at the United States Military Academy at West Point. The material involves mathematics of high school and freshman grade. This pamphlet is being used at the Institute of Military Studies, University of Chicago, and may be obtained by qualified institutions for \$0.15 a copy. Address Director, Institute of Military Studies, University of Chicago, Chicago, Illinois.

Professor E. T. Copson of University College, Dundee, and Professor W. H. McCrea of Queen's University, Belfast, have been awarded the Keith Prize of the Royal Society of Edinburgh.

The Chauvenet Prize has been awarded to Associate Professor Saunders MacLane of Harvard University for his two papers *Modular fields* and *Some recent advances in algebra* published in the American Mathematical Monthly.

Professor W. D. Cairns, Secretary-Treasurer of the Mathematical Association of America, has announced that the Department of Mathematics of the University of Toronto has won the first prize of \$400 in the fifth annual William Lowell Putnam Mathematical Competition, held March 7, 1942. The members of the team were K. S. Hoyle, H. V. Lyons, M. A. Preston. The second prize of \$300 is awarded to the Department of Mathematics of Yale University, the members of whose team were F. H. Brownell, A. M. Gleason, A. E. Roberts. The third prize of \$200 is awarded to the Department of Mathematics of the Massachusetts Institute of Technology, the members of whose team were E. D. Calabi, W. S. Loud, G. P. Wachtell. The fourth prize of \$100 is awarded to the Department of Mathematics of the College of the City of New York, the members of whose team were Herman Chernoff, Harvey Cohn, Edward Gordon. In addition to these prizes to the departments of mathematics with winning teams, a prize of \$50 each is awarded to the following five persons whose scores ranked highest in the six-hour examination (names listed alphabetically): Harvey Cohn, A. M. Gleason, W. S. Loud, H. V. Lyons, M. A. Preston. One of these five will be chosen to receive a \$1000 year scholarship at Harvard University, this award to be announced later. The members of the four winning teams will receive individual cash awards according to the ranks of their teams, and all individuals receiving awards will also receive medals. Honorable

mention has been awarded this year to four teams and to five individuals. The teams are from the Department of Mathematics, Cooper Union Institute of Technology, members of the team being Harold Grad, M. S. Klamkin, Kenneth Robinson; the Department of Mathematics, Harvard University, members of the team being R. M. Bloch, L. S. Shapley, J. A. Zilber; the Department of Mathematics, New York University, members of the team being Melvin Lax, Harold Lewis, Henry Shenker; and the Department of Mathematics, Swarthmore College, the team members being N. B. Hannay, W. H. Mills, M. S. Raff. The five individuals receiving honorable mention are E. D. Calabi, Massachusetts Institute of Technology; C. P. Gadsden, Tulane University; K. S. Hoyle, University of Toronto; Melvin Lax, New York University; W. H. Mills, Swarthmore College.

Mr. I. M. Vinogradov has been elected to membership in the American Philosophical Society.

Professor A. N. Whitehead has been elected president of the British Mathematical Society.

Mr. Philip Hall and Mr. A. H. Wilson of Cambridge University and Mr. G. H. Henderson of Dalhousie University have been elected fellows of the Royal Society

Dr. Vannevar Bush, president of the Carnegie Institute of Technology, received an honorary doctorate from Rutgers University.

Professor F. A. Foraker has received an honorary doctorate from the University of Pittsburgh.

Professor T. R. Hollcroft of Wells College has received an honorary doctorate from Hanover College.

Professor F. D. Murnaghan of Johns Hopkins University has been elected to membership in the National Academy of Sciences and the American Philosophical Society.

Dr. J. A. Sharpe, a member of this Society, has been elected by the Society of Exploration Geophysicists to a three year term as editor of Geophysics, a quarterly journal of general and applied geophysics.

Dean H. M. Westergaard of Harvard University has been elected to membership in the American Philosophical Society.

Dr. Howard Levi of Columbia University and Dr. L. I. Wade of Duke University have received fellowship appointments for 1942-1943 from the National Research Council. Dr. Levi and Dr. Wade will work at the Institute for Advanced Study.

Guggenheim Memorial Fellowships for work in mathematics have been awarded to Dr. J. C. C. McKinsey and Dr. Alfred Tarski.

Professor Willy Prager of Brown University has requested the correction of information about him which was received by the American Mathematical Society and published on page 25 of volume 48 of this Bulletin. He was acting director of the Institute of Applied Mechanics at Göttingen and professor of mechanics at Istanbul before coming to the United States.

Assistant Professor Harriet W. Allen of Hollins College, Hollins College, Virginia, is temporarily serving as physicist, in the Bureau of Ordnance, Navy Department, Washington, D. C.

Dr. H. C. Ayres of the United States Naval Academy has been promoted to an assistant professorship.

Mr. V. P. Barta has accepted an appointment as research physicist at the Massachusetts Institute of Technology.

Dr. Walter Bartky of the University of Chicago has been promoted to a professorship of applied mathematics.

Assistant Professor Julia W. Bower of Connecticut College has been promoted to an associate professorship.

Associate Professor R. V. Churchill of the University of Michigan has been promoted to a professorship.

Mr. E. C. Coker of Clemson College, Clemson, South Carolina, has been promoted to an assistant professorship.

Assistant Professor Marguerite D. Darkow of Hunter College has been promoted to an associate professorship.

Assistant Professor Paul Eberhart of Washburn Municipal University, Topeka, Kansas, has been promoted to an associate professorship.

Mr. B. G. Farley of Massachusetts Institute of Technology will be a research associate in electrical engineering at the Radiation Laboratory.

Professor W. B. Fite of Columbia University has retired. Professor J. F. Ritt will succeed him as chairman of the department of mathematics.

Assistant Professor J. S. Frame of Brown University has been appointed to an associate professorship at Allegheny College.

Assistant Professor E. E. Haskins of Northeastern University has been promoted to an associate professorship.

Associate Professor C. T. Hazard of Purdue University has been promoted to a professorship.

Assistant Professor E. A. Hazlewood of Texas Technological College has been promoted to an associate professorship.

Professor W. V. Houston of California Institute of Technology is working as a physicist in the Division of National Defense of Columbia University.

Mr. J. F. Kenney has been appointed to an assistant professorship at the University of Wisconsin.

Associate Professor Marie Litzinger of Mt. Holyoke College has been promoted to a professorship.

Assistant Professor Sidney McCuskey of Case School of Applied Science has been promoted to an associate professorship.

Assistant Professor H. L. Miller of the University of Cincinnati has been promoted to an associate professorship.

Associate Professor Deane Montgomery of Smith College has been promoted to a professorship.

Assistant Professor C. W. Munshower of Colgate University has been promoted to an associate professorship.

Dr. D. C. Murdoch of the University of Saskatchewan has been promoted to an assistant professorship.

Associate Professor C. O. Oakley of Haverford College has been promoted to a professorship.

Dr. George Polya has been appointed to an associate professorship at Stanford University.

Assistant Professor E. J. Purcell of the University of Arizona has been promoted to an associate professorship.

Dr. Eric Reissner of Massachusetts Institute of Technology has been promoted to an assistant professorship.

Professor F. G. Reynolds of the College of the City of New York has retired.

Assistant Professor H. J. Riblet of Hofstra College will be re-

search associate at the Radiation Laboratory, Massachusetts Institute of Technology.

Professor P. R. Rider of Washington University is to be an exchange professor at the National University of Mexico under the auspices of the Division of Cultural Relations, United States Department of State.

Assistant Professor Robin Robinson of Dartmouth College has been promoted to a professorship.

Assistant Professor E. A. Saibel of Carnegie Institute of Technology has been promoted to an associate professorship.

Professor S. T. Sanders of Louisiana State University has retired. Professor W. V. Parker will succeed him as head of the department of mathematics.

Dr. L. W. Tordella of Loyola University, Chicago, Illinois, has been promoted to an assistant professorship.

Dr. Abraham Wald of Columbia University has been promoted to an assistant professorship.

Dr. J. F. Wardwell of Colgate University has been promoted to an assistant professorship.

Dr. Antoni Zygmund of Mt. Holyoke College has been promoted to an associate professorship.

Dr. P. R. Halmos has been appointed associate at the University of Illinois.

Mr. Thorstein Larsen has been appointed associate in electrical engineering at Johns Hopkins University.

Dr. Abe Gelbart of North Carolina State College, Raleigh, will be on leave for the academic year 1942-1943 at Brown University.

The following appointments to instructorships are announced: Air Corps Technical School, Scott Field, Illinois: Dr. Louis Garfin; Amherst College: Mr. N. D. Nelson; University of California (Berkeley): Dr. František Wolf; University of Colorado: Mr. George Ulrich; Columbia University: Miss Margaret P. Martin; Compton Junior College: Dr. A. E. Marston; Connecticut College: Miss Alice E. Turner; Cornell University: Dr. C. E. Rhodes; Harvard University: Dr. Harry Pollard; University of Illinois: Dr. R. W. Hamming; Johns Hopkins University: Dr. G. W. Whaples; Louisiana State

University: Dr. K. L. Nielsen; Loyola University, New Orleans, Louisiana: Mr. E. H. Larguier; Montana State University: Mr. Roy Dubisch; Naval Pre-Flight Training School, Chapel Hill, North Carolina: Dr. R. P. Boas; Princeton University: Mr. C. A. Truesdell; R.C.A. Institutes, Inc., New York City: Mr. H. M. Nodelman; Rutgers University: Mr. R. B. Kleinschmidt; Stanford University: Dr. J. G. Herriot; United States Merchant Marine Academy: Mr. B. M. Ingersoll; United States Naval Academy: Dr. H. T. Muhly; University of Wisconsin: Dr. R. H. Bruck, Dr. Bernard Vinograde.

Professor Emeritus Susan R. Benedict of Smith College died on April 8, 1942, at the age of sixty-eight years. She had been a member of the Society since 1912.

Professor Emeritus L. S. Hulburt of Johns Hopkins University died on March 29, 1942, at the age of eighty-four years. He had been a member of the Society for thirty-five years.

Professor Byron Ingold of Culver-Stockton College, Canton, Missouri, died March 23, 1942.

Assistant Professor Elizabeth E. Knight of Milwaukee State Teachers College died on March 26, 1942. She had been a member of the Society since 1927.

Professor W. W. Landis of Dickinson College died April 9, 1942, at the age of seventy-three years. He had been a member of the Society since 1897.

Associate Professor Roy MacKay of New Mexico State College died May 12, 1942.

Professor Maria M. Roberts of Iowa State College died on April 12, 1942, at the age of seventy-four years. She had been a member of the Society for twenty-five years.

Professor J. H. Weaver of Ohio State University died April 7, 1942. He had been a member of the Society since 1916.