

## NOTES

The editors of the Bulletin wish to make grateful public acknowledgment of the services rendered by the following persons who have refereed papers: C. R. Adams, R. P. Agnew, Emil Artin, Reinhold Baer, Harry Bateman, E. T. Bell, P. O. Bell, Garrett Birkhoff, L. M. Blumenthal, R. P. Boas, H. F. Bohnenblust, D. G. Bourgin, A. T. Brauer, Richard Brauer, A. B. Brown, Herbert Busemann, E. W. Chittenden, R. V. Churchill, J. A. Clarkson, George Comenetz, A. H. Copeland, Richard Courant, H. S. M. Coxeter, D. R. Curtiss, M. M. Day, J. J. DeCicco, D. M. Dribin, Samuel Eilenberg, Arnold Emch, Aaron Fialkow, W. W. Flexner, Orrin Frink, H. L. Garabedian, J. W. Givens, Saul Gorn, D. W. Hall, Marshall Hall, O. G. Harrold, Einar Hille, Ralph Hull, Dunham Jackson, Nathan Jacobson, R. D. James, B. W. Jones, Mark Kac, Irving Kaplansky, M. S. Knebelman, R. E. Langer, C. G. Latimer, D. H. Lehmer, Walter Leighton, Norman Levinson, E. R. Lorch, E. J. McShane, Saunders MacLane, W. G. Madow, Szolem Mandelbrojt, Morris Marden, G. M. Merriam, E. W. Miller, W. E. Milne, Deane Montgomery, C. B. Morrey, F. J. Murray, John von Neumann, Ivan Niven, Oystein Ore, Gordon Pall, G. H. Peebles, Sam Perlis, R. S. Phillips, George Pólya, Hillel Poritsky, Anatol Rappoport, W. T. Reid, Arthur Rosenthal, A. E. Ross, A. C. Schaeffer, O. F. G. Schilling, I. J. Schoenberg, I. M. Sheffer, N. E. Steenrod, Otto Szász, Gabor Szegő, J. W. Tukey, J. V. Uspensky, R. J. Walker, H. S. Wall, J. L. Walsh, L. E. Ward, L. R. Wilcox, Aurel Wintner, Leo Zippin, Max Zorn, and Antoni Zygmund.

The editors of the Transactions wish to acknowledge the services of the following persons, not members of the Editorial Board, who have been consulted regarding papers offered for publication in volumes 49 and 50: Garrett Birkhoff, H. R. Brahana, Richard Brauer, H. E. Buchanan, H. B. Curry, Samuel Eilenberg, C. J. Everett, W. K. Feller, L. M. Graves, M. H. Ingraham, Shizuo Kakutani, M. S. Knebelman, B. O. Koopman, D. H. Lehmer, Hans Lewy, N. H. McCoy, E. J. McShane, H. M. MacNeille, F. J. Murray, B. J. Pettis, George Pólya, G. B. Price, H. A. Rademacher, W. C. Randels, P. V. Reichelderfer, A. C. Schaeffer, Peter Scherk, O. F. G. Schilling, Wladimir Seidel, J. J. Stoker, M. H. Stone, D. J. Struik, J. D. Tamarkin, J. M. Thomas, and Louis Weisner.

The summer session arranged at Brown University for advanced instruction and research in mechanics, and for which sixty students

were accepted, met with such general approval that the program is being continued during the academic year 1941-1942. Courses are being given in (1) Advanced Dynamics, (2) Elasticity, (3) Fluid Dynamics, (4) Theory of Airflight, (5) Graphical and Numerical Methods in Applied Mathematics, (6) Partial Differential Equations; in addition there are two seminars. More than thirty persons are enrolled. On the staff are Professors J. L. Synge, Richard von Mises, J. D. Tamarkin, Willy Feller, Stefan Bergman, and Willy Prager. The instruction is supported by the Engineering, Sciences, and Management Defense Training Program of the United States Office of Education and by the Carnegie Corporation of New York. A few small fellowships are still available for the second semester. Those desiring information should communicate with the Dean of the Graduate School, Brown University, Providence, Rhode Island.

Yale University offers each year a number of Sterling research fellowships, some of them open to mathematicians. For the year 1942-1943 the normal stipend will be \$1800. Applicants must have received the degree of Doctor of Philosophy or its equivalent from approved universities in the United States or foreign countries. In general, preference is given to applicants of not more than thirty-five years of age, but older persons are eligible. Applications should be received before March 1; blanks may be obtained from the Graduate School office, Yale University, New Haven, Connecticut.

Professor T. C. Esty of Amherst College has been given the title professor emeritus.

Mr. L. M. Klauber, vice president and general manager of the San Diego Gas and Electric Company, received an honorary doctorate of laws from the University of California at Los Angeles.

Mr. W. G. Banks of Centenary College has been promoted to an assistant professorship.

Associate Professor J. L. Barnes of Tufts College has been promoted to a professorship.

Dr. P. G. Bergmann has been appointed to an assistant professorship at Black Mountain College, Black Mountain, North Carolina.

Assistant Professor J. G. Bowker of Middlebury College has been promoted to an associate professorship.

Assistant Professor Fannie W. Boyce of Wheaton College, Wheaton, Illinois, has been promoted to an associate professorship.

Dr. J. R. Britton of the University of Colorado has been promoted to an assistant professorship.

Assistant Professor E. A. Cameron of the University of North Carolina has been promoted to an associate professorship.

Dr. Harold Chatland of Montana State University has been promoted to an assistant professorship.

Dr. Max Coral of Wayne University has been promoted to an assistant professorship.

Associate Professor H. B. Curry of Pennsylvania State College has been promoted to a professorship.

Miss Rachel Davison of Houghton College, Houghton, New York, has been promoted to an associate professorship.

Dr. Douglas Derry of the University of Saskatchewan has been promoted to an assistant professorship.

Assistant Professor J. L. Doob of the University of Illinois has been promoted to an associate professorship.

Assistant Professor E. D. Eaves of the University of Tennessee has been promoted to an associate professorship.

Mr. W. F. Eberlein is working as propellor research analyst in the Navy Department.

Associate Professor Nat Edmonson of the Agricultural and Mechanical College of Texas has been promoted to a professorship.

Associate Professor P. D. Edwards of Ball State Teachers College has been promoted to a professorship.

Dr. C. H. Frick of Montana State College has been appointed professor of mathematics at Mary Washington College, Fredericksburg, Virginia.

Assistant Professor D. F. Gunder of the Colorado State College of Agriculture and Mechanic Arts has been promoted to an associate professorship.

Dr. Mary E. Haller of the University of Washington has been promoted to an assistant professorship.

Mr. George Hartnell of the Cheltenham Magnetic Observatory has retired.

Assistant Professor M. A. Heaslet of San José State College has been promoted to an associate professorship.

Miss Gertrude Hendrix of Eastern Illinois State Teachers College has been promoted to an assistant professorship.

Dr. P. G. Hoel of the University of California at Los Angeles has been promoted to an assistant professorship.

Mr. C. W. Hook of Georgia School of Technology has been promoted to an assistant professorship.

Dr. S. B. Jackson of the University of Wisconsin has been appointed to an assistant professorship at the University of Maryland.

Associate Professor G. R. Livingston of San Diego State College has been promoted to a professorship.

Dr. E. R. Lorch of Barnard College, Columbia University, has been promoted to an assistant professorship.

Associate Professor W. G. McGavock of Davidson College has been promoted to a professorship.

Associate Professor H. M. MacNeille of Kenyon College has been promoted to a professorship.

Dr. G. T. Miller of Purdue University has been promoted to an assistant professorship.

Mr. G. R. Mirick has been appointed principal of the high school at Lincoln School of Teachers College, Columbia University.

Dr. A. P. Morse of the University of California has been promoted to an assistant professorship.

Professor L. R. Perkins of Middlebury College has resigned because of ill health.

Dr. George Pólya who has been at Brown University as visiting professor has been appointed to a visiting professorship at Smith College.

Dr. Willy Prager who recently held a professorship of aeronautical theory at the University of Istanbul and who was formerly director of the Aerodynamical Institute at Göttingen has been appointed to a professorship of mechanical engineering at Brown University.

Assistant Professor A. W. Recht of the University of Denver has been promoted to an associate professorship.

Professor H. W. Reddick of Cooper Union is on leave of absence to direct the Defense Training Institute, Brooklyn, New York. Assistant Professor F. H. Miller has been named acting head of the department of mathematics at Cooper Union.

Dr. H. J. Riblet of Adelphi College, Garden City, New York, has been appointed to an assistant professorship at Hofstra College, Hempstead, New York.

Dr. L. D. Rodabaugh has been appointed to an assistant professorship at Butler University.

Dr. M. A. Sadowsky of Illinois Institute of Technology has been promoted to an assistant professorship.

Dr. Raphaël Salem has been appointed to a lectureship at Massachusetts Institute of Technology.

Assistant Professor Nathan Schwid of the Texas College of Mines has been promoted to an associate professorship.

Dr. M. F. Smiley of Lehigh University has been promoted to an assistant professorship.

Assistant Professor C. E. Smith of San Diego State College has been promoted to an associate professorship.

Associate Professor C. E. Springer of the University of Oklahoma has been promoted to a professorship.

Mr. H. S. Stanley has been appointed to an associate professorship at the University of South Carolina.

Assistant Professor W. R. Talbot of Lincoln University, Jefferson City, Missouri, has been promoted to an associate professorship.

Assistant Professor E. W. Titt of the University of Maryland has been appointed to an associate professorship at the University of Texas.

Dr. C. B. Tompkins of Princeton University has been appointed to a visiting lectureship at the University of Wisconsin.

Dr. E. P. Vance of the University of Nevada has been promoted to an assistant professorship.

Dr. C. E. Van Orstrand of the U. S. Geological Survey Department has retired.

Assistant Professor R. W. Veatch of the University of Tulsa has been promoted to an associate professorship.

Associate Professor J. A. Ward of Delta State Teachers College has been promoted to a professorship.

Dr. Alexander Weinstein has been appointed lecturer in the department of applied mathematics at the University of Toronto for the present academic year.

Brother Bernard Alfred Welch of Manhattan College has been promoted to an assistant professorship.

Assistant Professor E. D. Wells of the University of Pittsburgh, Erie Center, has been promoted to an associate professorship.

Dr. John Williamson of Johns Hopkins University has been appointed to an associate professorship at Queens College.

Professor R. S. Burington of Case School of Applied Science has been given leave of absence to continue work in the Bureau of Ordnance of the Navy Department.

Dr. F. W. Dresch of the University of California has been granted leave of absence for 1941-1942 for military service and is with the Bureau of Ordnance, Navy Department.

Associate Professor H. T. Engstrom of Yale University is on leave this year to serve in the Navy Department.

Professor H. H. Ferns of the University of Saskatchewan has been granted leave of absence to serve in the Canadian Officers Training Corps.

Assistant Professor A. L. Foster of the University of California has been granted leave of absence for the spring of 1942.

Dr. Marian W. Thornton is on leave of absence from the Minnesota State Department of Health.

Dr. I. E. Segal has been appointed research assistant at Princeton University.

The following appointments to instructorships are announced: Acadia University: Dr. D. S. Miller; Ground School, Air Corps Advanced Flying School, Kelly Field, Texas: Dr. E. G. H. Comfort; University of Alabama: Dr. Albert Neuhaus; Brown University: Dr. K. L. Nielsen; University of California: Dr. R. W. Shephard; Case

School of Applied Science: Dr. R. H. Sorgenfrey; College of the City of New York: Dr. Olaf Helmer; University of Connecticut: Dr. C. G. A. Nordling; De Paul University: Mr. A. R. Craw; Frostburg State Teachers College, Frostburg, Maryland: Dr. W. N. Hallett; Harvard University: Dr. R. S. Phillips; Hunter College: Dr. W. W. Gutzman; University of Illinois: Dr. H. M. Schwartz; Indiana University Extension, East Chicago, Indiana: Mr. H. E. Burns; James Millikin University: Dr. W. W. Denton; Johns Hopkins University: Dr. J. D. Bankier, Dr. L. I. Wade; University of Kansas: Dr. R. S. Pate; Louisiana State University: Dr. P. H. Anderson; Macalester College, St. Paul, Minnesota: Dr. František Wolf; Michigan State Normal College, Ypsilanti, Michigan: Dr. Edith R. Schneckenburger; North Carolina State College: Dr. C. F. Strobel; Princeton University; Mr. T. W. Anderson, Dr. Ernst Snapper; Rensselaer Polytechnic Institute: Mr. H. K. Brown; University of Saskatchewan; Dr. Max Wyman; United States Naval Academy: Mr. R. C. Morrow, Mr. W. H. Sears; University of Vermont: Dr. D. T. McClay; Wellesley College: Miss Alberta Schuettler; University of Wisconsin: Dr. Dorothy L. Bernstein.

The death of Dr. B. G. A. Ackermann-Teubner on February 18, 1941, has been reported. He had been a member of the Society since 1907.

Dr. K. D. Swartzel, who was head of the department of mathematics in the University of Pittsburgh from 1922 until his retirement in 1939, died October 30, 1941. For twenty-eight years prior to 1922 he was a member of the department of mathematics in the Ohio State University.

Mr. H. L. Sweet of Phillips Exeter Academy died March 27, 1941.

Professor T. H. Taliaferro of the University of Maryland died September 25, 1941, at the age of seventy years.