## NOTES

The editors of the Bulletin and the Proceedings wish to make grateful acknowledgment of the services rendered by the following persons who have refereed papers: R. P. Agnew, L. V. Ahlfors, A. A. Albert, Richard Arens, Reinhold Baer, E. G. Begle, J. H. Bell, R. E. Bellman, Stefan Bergman, Garrett Birkhoff, Salomon Bochner, T. A. Botts, A. T. Brauer, Richard Brauer, R. H. Breusch, R. H. Bruck, R. C. Buck, R. H. Cameron, Leonard Carlitz, R. E. Carr, Lamberto Cesari, Herman Chernoff, C. C. Chevalley, W. L. Chow, Sarvadaman Chowla, K. L. Chung, R. V. Churchill, Paul Civin, A. H. Clifford, A. B. Coble, I. S. Cohen, L. W. Cohen, A. H. Copeland, Philip Davis, M. M. Day, J. A. Dieudonné, R. P. Dilworth, J. L. Doob, F. G. Dressel, R. J. Duffin, Nelson Dunford, Ben Dushnik, Aryeh Dvoretzky, W. F. Eberlein, L. P. Eisenhart, G. C. Evans, Herbert Federer, William Feller, Werner Fenchel, D. T. Finkbeiner, M. K. Fort, R. H. Fox, Bernard Friedman, K. O. Friedrichs, W. H. Fuchs, W. B. Fulks, R. E. Fullerton, P. R. Garabedian, A. M. Gleason, Oscar Goldman, H. H. Goldstine, Michael Golomb, R. A. Good, Marshall Hall, P. R. Halmos, Harish-Chandra, Philip Hartman, A. E. Heins, M. R. Hestenes, J. D. Hill, Einar Hille, I. I. Hirschman, S. P. Hoffman, T. R. Hollcroft, Eberhard Hopf, A. S. Householder, C. C. Hsiung, Ralph Hull, G. A. Hunt, Witold Hurewicz, G. E. Hutchinson, D. H. Hyers, R. C. James, J. A. Jenkins, Roberta F. Johnson, Bjarni Jónsson, Mark Kac, Shizuo Kakutani, Irving Kaplansky, P. W. Ketchum, Fred Kiokemeister, V. L. Klee, E. R. Kolchin, R. E. Langer, D. H. Lehmer, W. W. Leutert, Norman Levinson, D. C. Lewis, Hans Lewy, B. W. Lindgren, L. H. Loomis, E. R. Love, Charles Loewner, R. E. Lowney, N. H. McCoy, E. J. McShane, C. C. MacDuffee, G. W. Mackey, G. R. MacLane, Saunders MacLane, Wilhelm Magnus, Szolem Mandelbrojt, H. B. Mann, Morris Marden, M. H. Martin, F. I. Mautner, W. H. Mills, E. E. Moise, Deane Montgomery, A. P. Morse, Tadasi Nakayama, John Nash, Zeev Nehari, J. D. Novak, Yoshitomo Okada, Oystein Ore, O. G. Owens, George Piranian, Harry Pollard, C. R. Putnam, J. F. Randolph, Anatol Rapoport, R. M. Redheffer, P. V. Reichelderfer, Eric Reissner, C. E. Rickert, Arthur Rosenthal, J. B. Rosser, Walter Rudin, R. D. Schafer, I. J. Schoenberg, W. T. Scott, I. E. Segal, Atle Selberg, H. N. Shapiro, M. F. Smiley, A. H. Smith, Frank Smithies, Andrew Sobczyk, M. H. Stone, Walter Strodt, D. J. Struik, J. L. Synge, Otto Szász, Gabor Szegő, Alfred Tarski, A. H. Taub, Olga Taussky, J. M. Thomas, R. M. Thrall, F. G. Tricomi, C. A. TruesNOTES 105

dell, A. W. Tucker, D. F. Votaw, R. J. Walker, J. L. Walsh, Morgan Ward, S. E. Warshawski, C. P. Wells, J. G. Wendel, Herman Weyl, Hassler Whitney, G. T. Whyburn, D. V. Widder, Norbert Wiener, Albert Wilansky, L. R. Wilcox, R. L. Wilder, V. M. Wolontis, Jacob Wolfowitz, Bertram Yood, L. C. Young, J. W. T. Youngs, Antoni Zygmund.

The editors of the Transactions wish to acknowledge the services of the following persons, not members of the Editorial Committee, who have been consulted regarding papers submitted for publication: A. A. Albert, Warren Ambrose, Lipman Bers, R. P. Boas, H. W. Brinkmann, K. L. Chung, I. S. Cohen, J. A. Dieudonné, Orrin Frink, Hilda Geiringer, Franklin Haimo, Einar Hille, Vaclav Hlavatý, Nathan Jacobson, Bjarni Jónsson, L. M. Kelly, M. S. Knebelman, M. M. Loève, Kurt Mahler, Morris Marden, E. E. Moise, Tadasi Nakayama, Zeev Nehari, R. S. Phillips, C. E. Rickart, J. B. Rosser, Arthur Sard, A. C. Schaeffer, R. D. Schafer, I. J. Schoenberg, I. E. Segal, Abraham Seidenberg, Atle Selberg, Max Shiffman, M. F. Smiley, E. H. Spanier, Gabor Szegö, W. J. Thron, A. D. Wallace, J. L. Walsh, S. E. Warschawski, P. A. White, Aurel Wintner, Bertram Yood, H. J. Zassenhaus, Daniel Zelinsky, Antoni Zygmund.

The attention of the members of the Society is called to the Group for Academic Freedom. This organization is composed of faculty members of the University of California who refused to sign the special oath required by the Board of Regents of the University and who are taking legal action against the Board. The cost of such legal action is heavy. Those who wish to help defray these expenses may send checks, payable to the Group for Academic Freedom, to this Group at the Shattuck Hotel, Berkeley, California.

A new mathematical organization, the Tensor Society, has been formed at Hokkaido University. Membership is open to all interested persons. The Society's Journal (*Tensor*, *New Series*) will be published in two or three issues annually. Further information can be obtained from Professor H. V. Craig, Department of Applied Mathematics, University of Texas, Austin, Texas.

Professor Hans Freudenthal of Utrecht University has been elected to ordinary membership in the Netherlands Academy of Sciences.

Professors Norbert Wiener, Solomon Lefschetz, and Garrett Birk-hoff have been awarded the degree of Doctor Honoris Causa by the National University of Mexico.

Professor H. B. Curry of Pennsylvania State College had the title Visiting Professor Honoraire conferred upon him by the University of Louvain, Belgium.

- Professor W. R. Transue of Kenyon College is on leave of absence and is in Italy on a Fulbright grant.
- Dr. K. A. Hirsch of King's College, University of Durham, has been appointed a reader at Queen Mary College, University of London.
- Mr. D. M. Merriell of the University of Chicago has been appointed to an assistant professorship at Robert College, Istanbul, Turkey.
- Professor B. R. Seth of Hindu College has been appointed to a professorship at the Indian Institute of Technology, Kharagpur, West Bengal.
- Dr. D. M. Adelman of the University of Connecticut has accepted a position as mathematician with the United States Naval Ordnance Test Station, Pasadena, California.
- Dr. E. L. Arnoff of the California Institute of Technology has accepted a position as Aeronautical Research Scientist with the National Advisory Committee for Aeronautics.
- Dr. Miriam C. Ayer of Wellesley College has accepted a position with the Sandia Corporation, Albuquerque, New Mexico.

Assistant Professor Frederick Bagemihl of the University of Rochester has resigned.

- Associate Professor D. H. Ballou of Middlebury College is on leave of absence and has been appointed to a visiting associate professorship at Yale University in the program of Internships in General Education sponsored by the Carnegie Foundation.
- Mr. J. R. Belford of Johns Hopkins University has accepted a position as design engineer with the International Business Machines Corporation, Endicott, New York.
- Mr. P. H. Berning of Johns Hopkins University has accepted a position as mathematician with the Bausch and Lomb Optical Company, Rochester, New York.
- Professor B. A. Bernstein of the University of California has retired with the title emeritus.

Professor Harry Birchenough of New York State College for Teachers has retired with the title emeritus.

- Dr. Jerome Blackman of Cornell University has accepted a position as associate research engineer with the York Company, York, Pennsylvania.
- Mr. Joseph Blum of the University of Virginia has accepted a position as analyst with the Armed Forces Security Agency, Washington, D. C.
  - Dr. F. E. Bothwell of Northwestern University has accepted a posi-

tion as consultant with the United States Naval Ordnance Test Station, China Lake, California.

Assistant Professor N. A. Brigham of the University of Maryland has accepted a position as mathematician with the Applied Physics Laboratory, Johns Hopkins University, Silver Spring, Maryland.

- Mr. R. L. Broussard of Louisiana State University and Agricultural and Mechanical College has accepted a position as mathematician with the Douglas Aircraft Company, Inc., Santa Monica, California.
- Dr. H. E. Campbell of the University of Pennsylvania has been appointed to an assistant professorship at Emory University.

Associate Professor Virginia Carlton of Northwestern State College has been appointed to a professorship at Wesleyan College.

Assistant Professor J. O. Chellevold of Lehigh University has been appointed to a professorship at Wartburg College.

Professor J. A. Clarkson of Tufts College has accepted the position of Executive Secretary of the Division of Mathematics, which was recently established by the National Research Council.

Professor Emeritus A. B. Coble of the University of Illinois has been appointed to a visiting professorship at the University of North Carolina.

Mr. Paolo Comba of the California Institute of Technology has been appointed to an assistant professorship at the University of Hawaii.

Professor N. A. Court of the University of Oklahoma has retired with the title emeritus.

President H. N. Davis of Stevens Institute of Technology has retired with the title president emeritus.

- Dr. R. F. Dressler of New York University has accepted a position as mathematics consultant with the National Bureau of Standards, Washington, D. C.
- Dr. F. E. Ehlers of Oregon State College has accepted a position as aerodynamicist with the Boeing Aircraft Company, Seattle, Washington.
- Mr. C. C. Elgot of Columbia University has accepted a position as mathematician with the Naval Ordnance Laboratory, White Oak, Maryland.

Assistant Professor E. S. Elyash of the University of Pittsburgh is on leave of absence and has been appointed to an assistant professorship at Louisiana State University.

Mr. Trevor Evans of the University of Wisconsin has been appointed to an assistant professorship at Emory University.

Associate Professor Howard Eves of Oregon State College has been appointed to a professorship at Champlain College.

- Dr. R. S. Finn of Syracuse University has been appointed a member of the Institute for Advanced Study.
- Mr. Harold Forstat of Indiana University has accepted a position as physicist at Camp Detrick, Frederick, Maryland.
- Dr. M. S. Friberg of the University of Minnesota has been appointed to an assistant professorship at the New Mexico Institute of Mining and Technology.
- Mr. Seymour Ginsburg of the University of Michigan has been appointed to an assistant professorship at the University of Miami.

Mrs. Ralph Grimble has accepted a position as statistician with North American Aviation, Inc., Columbus, Ohio.

Dr. W. T. Guy, Jr. of California Institute of Technology has been appointed to an assistant professorship of applied mathematics and astronomy at the University of Texas.

Assistant Professor S. W. Hahn of Wittenberg College has been appointed to a professorship at Winthrop College.

- Dr. I. N. Herstein of Ohio State University has been appointed a research associate with the Cowles Commission, University of Chicago.
- Mr. F. A. Hiersch has accepted a position as assistant chief engineer at the American Air Filter Company, the Herman Nelson Division, Moline, Illinois.

Associate Professor G. P. Hochschild of the University of Illinois is on leave of absence and has been appointed to a visiting associate professorship at Yale University.

- Dr. A. J. Hoffman of the Institute for Advanced Study has accepted a position as staff member in the division of applied mathemathematics, National Bureau of Standards, Washington, D. C.
- Dr. J. X. Jamrich of Northwestern University has been appointed Dean of Students at Coe College.
- Dr. Meyer Jerison of the University of Illinois has been appointed to an assistant professorship at Purdue University.

Associate Professor L. W. Johnson of Purdue University has been appointed to a professorship at Oklahoma Agricultural and Mechanical College.

- Mr. T. L. Jordan has been appointed to an associate professorship at Wofford College.
- Mr. L. D. Kovach of Purdue University has accepted a position as research engineer at Douglas Aircraft Company, El Segundo, California.

- Mr. R. J. Lambert of Iowa State College of Agriculture and Mechanic Arts has accepted a position as mathematician with the Defense Department, Washington, D. C.
- Dr. B. W. Lindgren of Massachusetts Institute of Technology has accepted a position as mathematician with the Minneapolis Honeywell Regulator Company, Minneapolis, Minnesota.
- Professor J. J. Livers of Montana State College is on leave of absence and has been appointed an educational consultant at Boeing Aircraft Company, Seattle, Washington.
- Mr. K. M. McMillin of the University of Minnesota has been appointed to an assistant professorship at the United States Air Force Institute of Technology.
- Dr. A. V. Martin of San Jose State College has been appointed to a visiting assistant professorship at the University of California.
- Mr. J. E. Martin of the University of Pittsburgh has accepted a position as senior project analytical engineer, with the Chance Vought Aircraft, Dallas, Texas.
- Professor J. N. Michie has received the title professor emeritus from Texas Technological College.
- Mr. Benjamin Evans Mitchell of the University of Wisconsin has been appointed to an assistant professorship at Alabama Polytechnic Institute.
- Mr. Don Mittleman of Columbia University has accepted a position as mathematician with the National Bureau of Standards, Washington, D. C.
- Mr. O. B. Moan of Purdue University has accepted a position as quality control analyst with Julius Hyman and Company, Denver, Colorado.
- Professor P. B. Norman of Wagner College has accepted a position as project engineer with the Curtiss-Wright Corporation, Carlstadt, New Jersey.
- Dr. Ilse L. Novak has been appointed a member of the Institute for Advanced Study.
- Dr. Fritz Oberhettinger of the California Institute of Technology has been appointed to a professorship at American University.
- Miss Virginia A. Ohlson of Purdue University has accepted a position as mathematician with the Douglas Aircraft Corporation, Santa Monica, California.
- Mr. Philip Rabinowitz of the University of Pennsylvania has accepted a position as mathematician with the National Bureau of Standards, Washington, D. C.
  - Mr. B. A. Rattray of Princeton University has been appointed a

sessional lecturer at McGill University.

Professor D. E. Richmond of Williams College is on leave of absence and has been appointed a lecturer at Massachusetts Institute of Technology.

Miss Jean E. Sammet of the University of Illinois has accepted a position as computer with the Metropolitan Life Insurance Company, New York, New York.

Mr. Judson Sanderson of the University of Michigan Research Center has been appointed to an assistant professorship at the United States Air Force Institute of Technology, Wright Field, Ohio.

Assistant Professor R. H. Scherer of Macalester College has been appointed to an assistant professorship at Coe College.

Mr. Stewart Schlesinger of Illinois Institute of Technology has accepted a position as research assistant at the Los Alamos Scientific Laboratory, Los Alamos, New Mexico.

Professor I. J. Schoenberg of the University of Pennsylvania is on leave of absence at the Institute for Numerical Analysis, Los Angeles, California.

Mr. R. C. Seber of Rockford College has been appointed to an assistant professorship at Wisconsin State College.

Professor Max Shiffman of Stanford University has been appointed a member of the Institute for Advanced Study.

Visiting Assistant Professor Edward Silverman of Kenyon College has accepted a position as staff member with the Sandia Corporation, Albuquerque, New Mexico.

- Dean T. M. Simpson of the University of Florida has retired.
- Mr. M. B. Sledd of Emory University has been appointed to an associate professorship at Georgia Institute of Technology.
- Mr. P. C. Sweetland of Michigan State College has been appointed to an assistant professorship of research at Pennsylvania State College.
- Mr. F. B. Thompson of the University of California has accepted a position as mathematician with Rand Corporation.
- Dr. J. H. Wahab of the University of North Carolina has been appointed to an assistant professorship at Georgia Institute of Technology.
- Dr. H. C. Wang of Louisiana State University has been appointed a member of the Institute for Advanced Study.
- Mr. H. S. Wolf of the University of Illinois has accepted a position as assistant statistician with the Employees Life Insurance Company, Chicago, Illinois.

Associate Professor R. K. Zeigler of the University of California has

accepted a position as statistician with the U.S. Atomic Energy Commission, Oak Ridge, Tennessee.

The following promotions are announced:

Joshua Barlaz, Rutgers University, to an associate professorship.

- A. L. Blakers, Lehigh University, to an associate professorship.
- G. M. Bloom, Miami University, to an assistant professorship.
- R. C. Campbell, United States Naval Postgraduate School, Annapolis, Maryland, to an associate professorship.
- A. B. Carson, United States Air Force Institute of Technology, to a professorship.

Nathaniel Coburn, University of Michigan, to an associate professorship.

Esther Comegys, University of Maine, to an associate professorship.

Byron Cosby, State University of Iowa, to an associate professorship.

J. B. Diaz, University of Maryland, to an associate research professorship.

James Dugundji, University of Southern California, to an associate professorship.

- A. L. Foster, University of California, to a professorship.
- K. A. Fowler, University of Michigan, to an assistant professor-ship.
- D. B. Goodner, Florida State University, to an associate professorship.
  - H. G. Haefeli, Boston College, to a professorship.
  - A. W. Jacobson, Wayne University, to an associate professorship.
- R. B. Johnson, Clemson Agricultural College, to an assistant professorship.
- G. K. Kalisch, University of Minnesota, to an associate professorship.
- R. G. Langebartel, University of Illinois, to an assistant professorship.
- B. J. Lockhart, United States Naval Postgraduate School, Annapolis, Maryland, to an associate professorship.
  - D. C. Morrow, Wayne University, to a professorship.
- E. A. Nordhaus, Michigan State College, to an associate professorship.

Rufus Oldenburger, Woodward Governor Company, Rockford, Illinois, to Chief Mathematician.

Daniel Orloff, Southern Illinois University, to an assistant professorship.

112 NOTES

Helen G. Russell, Wellesley College, to a professorship.

C. L. Seebeck, Jr., University of Alabama, to a professorship.

C. P. Wells, Michigan State College, to a professorship.

The following appointments to instructorships are announced: Cornell University: Mr. D. E. van Tijn; University of Kansas: Mr. A. J. Zeichner; Lamar State College of Technology: Mr. E. B. West; University of Michigan: Mr. Raoul Bott; Michigan State College: Mr. K. H. Carlson, Mr. J. G. Hocking; Ohio State University: Mr. R. F. Reeves; University of Saskatchewan: Dr. James Sanders; Seattle Pacific College: Miss Clarice MacDonald; Simmons College: Miss Edith Moss; Southern Illinois University: Mr. M. R. Kenner; University of Utah: Dr. C. E. Burgess; Wayne University: Mr. M. T. Wechsler.

Professor Emeritus Abraham Cohen of Johns Hopkins University died on April 25, 1951 at the age of eighty years. He had been a member of the Society for thirty-eight years.

Dr. C. L. Poor of Columbia University died on September 27, 1951 at the age of eighty-five years. He had been a member of the Society for thirty-eight years.

Professor J. B. Rosenbach of the Carnegie Institute of Technology died on November 6, 1951 at the age of fifty-four years. He had been a member of the Society for thirty-three years.