NOTES

In addition to the members of the editorial staff of the Bulletin, the following persons have assisted the editors, either by serving as referees or by advising concerning papers offered for publication in the present volume: R. G. Archibald, M. A. Basoco, E. T. Bell, B. A. Bernstein, Garrett Birkhoff, Salomon Bochner, Leonard Carlitz, J. A. Clarkson, Richard Courant, A. T. Craig, H. B. Curry, J. L. Doob, Arnold Dresden, Arnold Emch, H. T. Engstrom, G. C. Evans, Orrin Frink, T. C. Fry, H. L. Garabedian, W. C. Graustein, Einar Hille, T. R. Hollcroft, Harold Hotelling, E. V. Huntington, W. A. Hurwitz, M. H. Ingraham, R. D. James, E. R. van Kampen, R. E. Langer, Lincoln La Paz, Solomon Lefschetz, D. H. Lehmer, E. J. McShane, C. C. MacDuffee, W. A. Manning, H. H. Mitchell, C. N. Moore, H. M. Morse, F. J. Murray, John von Neumann, Oystein Ore, H. A. Rademacher, G. Y. Rainich, W. T. Reid, J. F. Ritt, J. A. Shohat, E. B. Stouffer, J. D. Tamarkin, J. M. Thomas, T. Y. Thomas, E. W. Titt, W. J. Trjitzinsky, R. J. Walker, H. S. Wall, J. L. Walsh, Morgan Ward, J. H. M. Wedderburn, Louis Weisner, W. M. Whyburn, Norbert Wiener, B. C. Wong, Leo Zippin, Max Zorn. The editors desire publicly to acknowledge this service.

The School of Mathematics of the Institute for Advanced Study each year allocates a small number of stipends to gifted young mathematicians and mathematical physicists to enable them to study and to do research work at Princeton. Candidates must have given evidence of ability in research comparable at least with that expected for the degree of Doctor of Philosophy. Blanks for application may be obtained from the School of Mathematics of the Institute, Fine Hall, Princeton, N. J., and are returnable by February 1, 1938.

Professor J. W. Alexander, of the Institute for Advanced Study, Professor D. J. Struik, of the Massachusetts Institute of Technology, and Professor Louis Weisner, of Hunter College, have been added to the staff of contributing editors of Science and Society.

The Mittag-Leffler medal of the Mathematical Institute at Stockholm has been awarded to Dr. David Hilbert, professor of mathematics at the University of Göttingen.

Professor Solomon Lefschetz, of Princeton University, has been elected a corresponding member of the Reale Accademia di Scienze, Lettere ed Arti di Padova.

Associate Professor W. E. Byrne, of Virginia Military Institute, has been promoted to a professorship.

Assistant Professor Leonard Carlitz, of Duke University, has been promoted to an associate professorship.

Professor W. B. Carver, of Cornell University, is on leave of absence for the first semester and is traveling in Europe.

Professor T. F. Cope, of Marietta College, has been appointed to an assistant professorship at Queens College, Flushing, N. Y.

Assistant Professor A. H. Copeland, of the University of Michigan, has been promoted to an associate professorship.

Associate Professor C. C. Craig, of the University of Michigan, is on leave of absence for the year 1937–38, studying at the Galton Laboratory, University College, London, England.

Professor Eleanor C. Doak, of Mount Holyoke College, has retired.

Dr. P. S. Dwyer has been appointed to an assistant professorship at the University of Michigan.

Dr. R. L. Echols has been appointed to an assistant professorship in physics at the United States Naval Post-graduate School, Annapolis.

Assistant Professor L. R. Ford, of the Rice Institute, has been appointed professor of mathematics and chairman of the department of mathematics at the Armour Institute of Technology.

Dr. Kurt Friedrichs has been appointed visiting professor of applied mathematics at New York University.

Associate Professor J. J. Gergen, of Duke University, has been appointed chairman of the department of mathematics.

Mr. O. H. Hamilton, of the University of Texas, has been appointed to an assistant professorship at Oklahoma Agricultural and Mechanical College.

Rev. B. A. Hausmann, S.J., has been appointed to a professorship at the University of Detroit.

Dr. E. A. Hedberg has been appointed professor of mathematics and head of the department of mathematics at the University of South Dakota.

Dr. Ralph Hull has been appointed to an assistant professorship at the University of Illinois.

Dr. H. S. Kaltenborn has been appointed to an assistant professorship at the Philadelphia College of Pharmacy and Science.

Dr. E. C. Kennedy has been appointed to an associate professorship at the Texas College of Arts and Industries.

Professor W. J. Kirkham has been granted a year's leave of absence from Oregon State College to do statistical research in Washington, D. C.

Professor H. I. Lane, of the University of South Dakota, has been appointed to a professorship at Hendrix College, Conway, Ark.

Canon Georges Lemaître, professor of mathematics and theoretical physics at the University of Louvain, Dr. Kurt Gödel, of the University of Vienna, and Professor Emil Artin, of the University of Hamburg, have joined the faculty of the University of Notre Dame.

Assistant Professor Marie Litzinger, of Mount Holyoke College, has been promoted to an associate professorship and appointed chairman of the department of mathematics.

Dr. L. L. Lowenstein has been appointed to an assistant professorship at Alfred University.

Dr. Roy MacKay has been appointed to an associate professorship at the Junior College, Portales, N. M.

Dr. L. E. Mehlenbacher has been appointed professor of mathematics and head of the department of mathematics at Arizona State Teachers College.

Associate Professor W. O. Menge, of the University of Michigan, has resigned to become associate actuary of The Lincoln National Life Insurance Company, Fort Wayne, Indiana.

Dr. A. C. Olshen has been appointed actuary in the Oregon State Insurance Commission.

Assistant Professor H. H. Pixley, of Wayne University, has been promoted to an associate professorship.

Dr. D. P. Richardson, of the University of Arkansas, has been promoted to an associate professorship.

Assistant Professor J. H. Roberts, of Duke University, has been granted a leave of absence for the year 1937–38. During this time he will be a visiting lecturer at Princeton University.

Assistant Professor Rafael Sanchez-Diaz, of the University of Puerto Rico, has been promoted to an associate professorship.

Associate Professor J. B. Scarborough, of the United States Naval Academy, Annapolis, has been promoted to a professorship.

Dr. Wladimir Seidel, of the University of Rochester, has been promoted to an assistant professorship.

Dr. L. W. Sheridan has been appointed to a professorship at the College of Mount Saint Vincent.

Mr. C. E. Smith has been appointed to an assistant professorship in astronomy at the San Diego State College, San Diego, Calif.

Assistant Professor J. J. Stoker, of the Carnegie Institute of Technology, has been appointed to an assistant professorship at New York University.

Associate Professor M. H. Stone, of Harvard University, has been promoted to a professorship.

Dr. E. C. Stopher, of the University of Iowa, has been appointed assistant professor and head of the department of mathematics at Ashland College, Ashland, Ohio.

Dr. Gerhard Tintner, of the Cowles Commission, has been appointed assistant professor of mathematics and economics at Iowa State College.

Dr. E. W. Titt has been appointed to an assistant professorship at the University of Maryland.

Professor J. H. Van Vleck, of Harvard University, has been appointed visiting professor at Princeton University for the first half of the present academic year.

Associate Professor D. V. Widder, of Harvard University, has been promoted to a professorship.

Associate Professor F. E. Wood, of Northwestern University, is on leave of absence for the academic year 1937–38.

The following members of the American Mathematical Society are in residence at the Institute for Advanced Study this academic year: Dr. Miriam F. Becker; Dr. P. G. Bergmann; Professor Marie M. Johnson, of Oberlin College Dr. P. W. Ketchum; Professor Harry Levy, of the University of Illinois; Professor N. H. McCoy, of Smith College; Professor C. C. MacDuffee, of the University of Wisconsin; Professor C. B. Morrey, of the University of California; Dr. A. P. Morse; Dr. C. J. Nesbitt; Professor Rufus Oldenburger, of the Armour Institute of Technology; Dr. J. F. Randolph; Dr. Moses Richardson; Dr. Hyman Serbin; Dr. M. F. Smiley; Dr. Frank Smithies; Dr. C. B. Tompkins; Professor H. S. Wall, of Northwestern University; Professor Aurel Wintner, of the Johns Hopkins University.

The following mathematicians from foreign universities are also in residence at the Institute: Dr. Valentin Bargmann; Dr. Achille Bassi, of the University of Florence; Professor Erich Hecke, of the University of Hamburg (second term); Professor Vaclav Hlavatý, of the University of Prague; Dr. Witold Hurewicz, of the University of Amsterdam; Dr. Leopold Infeld, of the University of Lwow; Professor Walther Mayer, of the University of Vienna; Fr. Tadasi Nakayama, of the University of Tokyo; Professor M. H. A. Newman, of St. John's College, Cambridge, England; Dr. W. J. van Stockum.

The following appointments to instructorships are announced: Agricultural and Mechanical College of Texas: Dr. H. A. Luther; University of Alabama: Dr. H. C. Ayres; Brown University: Mr. J. V. Wehausen; California Institute of Technology: Dr. E. W. Paxson; University of California: Dr. R. M. Robinson; University of California at Los Angeles: Mr. F. A. Valentine; University of California Extension Division: Dr. P. M. Singer; Campbell College: Mr. R. E. Smith; Carleton College: Dr. C. Grace Shover; College of the City of New York: Dr. G. G. Harvey; University of Delaware: Dr. G. C. Webber; Drexel Institute: Mr. W. B. Campbell; Florida Southern College: Mr. A. R. Turquette; University of Illinois: Dr. C. W. Mendel, Dr. H. E. Vaughan; Indiana Uni-

versity: Mr. Louis Green; Iowa State College: Mr. R. H. Cook, Mr. H. C. Fryer; Marietta College: Dr. Theodore Bennett; University of Michigan: Dr. T. N. E. Greville, Dr. M. L. Kales, Mr. E. D. Rainville, Dr. R. M. Thrall; State University of Montana: Dr. Harold Chatland; Mount Holyoke College: Miss Dorothy L. Bernstein; University of Notre Dame: Dr. A. N. Milgram; Ohio State University: Dr. C. E. Rhodes, Dr. J. W. T. Suckau; Oregon State Agricultural College: Dr. O. G. Harrold; Queens College, Flushing, N. Y.: Dr. Banesh Hoffman, Dr. Lulu Hofmann, Dr. H. W. Raudenbush, Dr. Arthur Sard; Rensselaer Polytechnic Institute: Mr. R. E. Street; Rice Institute: Dr. Walter Leighton; South Dakota School of Mines: Mr. A. W. Davis; University of Tennessee: Mr. M. J. Turner; University of Utah: Miss Harriet Rees, Dr. Anna A. Stafford; University of Wisconsin: Mr. Churchill Eisenhart, Dr. Bernard Friedman, Dr. D. H. Hyers, Dr. S. B. Jackson, Mr. R. B. Kershner, Mr. R. W. Wagner.

Dr. E. B. Elliott, emeritus professor of pure mathematics in the University of Oxford, and Fellow of the Royal Society, died on July 21, 1937, at the age of eighty-six years.

Dr. R. P. Baker, associate professor of mathematics at the University of Iowa, and a member of the Convocation of the University of London, died on August 13, 1937, at the age of seventy-one years. He had been a member of the Society since 1904.