

## THE FEBRUARY MEETING IN NEW YORK

The three hundred twenty-ninth meeting of the American Mathematical Society was held at Columbia University on Saturday, February 29, 1936. The attendance included the following one hundred twenty-four members of the Society:

C. F. Adler, J. W. Alexander, R. L. Anderson, R. C. Archibald, R. G. Archibald, M. F. Becker, Garrett Birkhoff, Salomon Bochner, Paul Boeder, H. F. Bohnenblust, Samuel Borofsky, H. W. Brinkmann, A. B. Brown, Jewell Hughes Bushey, J. H. Bushey, B. H. Camp, Leonard Carlitz, E. W. Chittenden, J. A. Clarkson, W. B. Coleman, George Comenetz, E. G. H. Comfort, Richard Courant, D. R. Davis, Vincent Dillon, Arnold Dresden, Fay Farnum, H. F. Fehr, Aaron Fialkow, T. S. Fiske, W. B. Fite, D. A. Flanders, M. M. Flood, R. M. Foster, R. H. Fox, J. S. Frame, C. W. Franklin, Philip Franklin, D. L. Fuller, B. P. Gill, A. A. Grant, L. M. Graves, S. L. Greitzer, Harriet Griffin, C. C. Grove, Morton Hamermesh, Alan Hazeltine, G. A. Hedlund, Einar Hille, Eberhard Hopf, Harold Hotelling, S. E. Hotelling, E. M. Hull, W. H. Ingram, Dunham Jackson, Nathan Jacobson, R. A. Johnson, I. N. Kagno, Edward Kasner, L. S. Kennison, R. B. Kershner, J. R. Kline, B. O. Koopman, Solomon Lefschetz, D. H. Lehmer, E. R. Lorch, A. N. Lowan, R. R. Lyle, L. A. MacColl, H. M. MacNeille, H. F. MacNeish, R. S. Martin, W. T. Martin, J. A. Mira, Marston Morse, F. J. Murray, J. R. Musselman, S. B. Myers, D. S. Nathan, C. A. Nelson, John von Neumann, Alta Odoms, Oystein Ore, D. T. Perkins, H. B. Phillips, A. E. Pitcher, E. L. Post, Walter Prenowitz, R. G. Putnam, Hans Rademacher, W. C. Randels, M. S. Rees, F. G. Reynolds, Moses Richardson, R. G. D. Richardson, J. F. Ritt, S. L. Robinson, S. G. Roth, I. J. Schoenberg, Stefan Serghiesco, Casper Shanok, Max Shiffman, James Singer, Abraham Sinkov, P. A. Smith, W. M. Smith, N. E. Steenrod, M. C. Suffa, J. D. Tamarkin, J. M. Thomas, E. W. Titt, Annita Tuller, I. L. Van Dyck, Oswald Veblen, G. C. Webber, Louis Weisner, R. A. Wetzel, H. S. White, H. P. Wirth, F. M. Wright, H. N. Wright, Leo Zippin, O. J. Zobel, Max Zorn.

The meeting began on Saturday morning with a session devoted to short papers. In the afternoon there was a general session at which Professor Eberhard Hopf gave an address entitled *On some metrically transitive systems*.

A meeting of the Council was held between the morning and afternoon sessions.

The Secretary reported that the following persons had been elected to membership in the Society:

Dr. Lars Valerian Ahlfors, Harvard University;

Mr. Ralph P. Boas, Harvard University;

Professor James Emory Boyd, Georgia School of Technology;  
 Professor Vannevar Bush, Massachusetts Institute of Technology;  
 Professor Al Bertie Carson, Boise Junior College, Boise, Ida.;  
 Dean James Tate Cater, Talladega College, Talladega, Ala.;  
 Mr. Richard Neil Cobb, Los Alamos Ranch School, Otowi, N. Mex.;  
 Miss Edna Jane Cofield, West End High School, Birmingham, Ala.;  
 Professor Watson M. Davis, Armour Institute of Technology;  
 Mr. Donald C. Dearborn, Catawba College;  
 Professor Clyde Houston Farnsworth, Union University, Jackson, Tenn.;  
 Mr. Howard Franklin Fehr, State Teachers College, Upper Montclair, N.J.;  
 Mr. Aaron Fialkow, Columbia University;  
 Sister Francis Xavier, St. Joseph's College for Women, Brooklyn, N.Y.;  
 Mr. Henry E. Fullerton, Middlesex County Junior College, Perth Amboy,  
 N. J.;  
 Mr. Herman Heine Goldstine, University of Chicago;  
 Mr. Vincent Crockett Harris, University of Wisconsin;  
 Dr. Ingomar M. Hostetter, University of Washington;  
 Mr. Moses Elijah Howell, West Georgia College, Carrollton, Ga.;  
 Dr. M. Gweneth Humphreys, Mount St. Scholastica College, Atchison, Kans.;  
 Dr. William Lawrence Hutchings, Rollins College, Winter Park, Fla.;  
 Professor Fritz John, University of Kentucky;  
 Professor L. Wayne Johnson, Central State Teachers College, Edmond, Okla.;  
 Mr. Edwin Key, Presbyterian Junior College, Maxton, N.C.;  
 Dean A. S. Langsdorf, Washington University;  
 Mr. Everett Henry Larguier, St. Louis University;  
 Brother Leopold, St. Mary's College, Winona, Minn.;  
 Sister Mary Imelda, D'Youville College, Buffalo, N.Y.;  
 Sister Mary Laetitia Hill, Our Lady of the Lake College, San Antonio, Texas;  
 Sister Mary Sylvester, Mundelein College;  
 Professor Russell J. Michel, Lambuth College;  
 Dean William Benjamin Nelson, Alcorn Agricultural and Mechanical College,  
 Alcorn, Miss.;  
 Dr. Abba V. Newton, American International College, Springfield, Mass.;  
 Miss Maurine C. Pemberton, Brawley Union High School, Brawley, Calif.;  
 Professor Robert D. Perry, Western Kentucky State Teachers College, Bowling  
 Green, Ky.;  
 Mr. Hyman Serbin, University of Pittsburgh;  
 Dr. Sarah Helen Taylor, University High School, University of Illinois;  
 Dr. Henrietta Pearl Terry, University High School, University of Illinois;  
 Professor Vance Henry Tingey, Utah State Agricultural College;  
 Professor Bernard J. Topel, Carroll College, Helena, Mont.;  
 Mr. Louis William Tordella, Loyola University, Chicago, Ill.;  
 Mr. Lynn H. Tulloch, Victoria Junior College, Victoria, Texas;  
 Professor Walter Jefferson Williams, Baylor University, Waco, Texas;  
 Dr. Willis Howard Wise, Bell Telephone Laboratories, New York, N.Y.

As nominee of Brown University:

Mr. Morris Leon Kales, Brown University.

As nominee of the Department of Mathematics of the College of the City of New York:

Mr. Morton Hamermesh, Brooklyn, N.Y.

As nominees of the University of Michigan:

Mr. Fred A. Beeler, Ann Arbor, Mich.;

Mr. Lyle E. Mehlenbacher, University of Michigan;

Mr. Robert W. Wagner, University of Michigan;

Mr. John V. Wehausen, University of Michigan.

As nominee of Pennsylvania State College:

Professor John Malcolm West, Pennsylvania State College.

As nominee of the University of Wisconsin:

Miss Ora Lucy Wheeler, University of Wisconsin.

As nominees of the Department of Mathematics of Yale University:

Mr. Victor Roy Coles, Yale University;

Mr. Francis John Degnan, Yale University;

Mr. Bernard Andrew Hausmann, Yale University;

Mr. Henry James Riblet, Yale University.

The following institutions of learning were elected to institutional membership in the Society:

Georgetown University;

Gettysburg College;

Michigan State College of Agriculture and Applied Science;

Virginia Polytechnic Institute.

The following appointment by President Lefschetz was announced: Committee on the Award of the Cole Prize in the Theory of Numbers: J. F. Ritt (chairman), A. J. Kempner, G. Y. Rainich.

Professors Harry Bateman, G. D. Birkhoff, and J. F. Ritt were reappointed as representatives of the Society for 1936-1938 on the Editorial Board of *The Annals of Mathematics*.

Professor E. V. Huntington was reappointed as representative of the Society on the Sectional Committee of the American Standards Association.

Professors E. B. Stouffer (chairman), L. R. Ford, and W. M. Whyburn were appointed (jointly with the Mathematical Association of America) to serve as a committee to select a place for the Summer Meeting of the Society to be held in 1940.

Titles and cross references to the abstracts of the papers read at this meeting follow below; papers whose abstract numbers are followed by the letter *t* were read by title. The papers numbered

1 to 11 were read at the morning session, Professor Oystein Ore presiding; those numbered 12 to 37 were read at the afternoon session, Professor J. D. Tamarkin presiding. Mr. Fialkow was introduced by Professor Kasner, Dr. Baer by Professor Weyl, Mr. Hall, Mr. W. T. Puckett, and Mr. G. C. Watson by Professor Whyburn, Mr. R. Wilson by Professor Shohat, and Dr. Leighton by Professor Richardson.

1. *The geometry of single-parameter families of plane curves*, by Mr. Aaron Fialkow. (Abstract No. 42-3-95.)

2. *On the addition of convex curves*, by Mr. R. B. Kershner. (Abstract No. 42-3-102.)

3. *Geometry in a space-time of Page* (preliminary report), by Professor H. T. Engstrom and Dr. Max Zorn. (Abstract No. 42-3-94.)

4. *Uniformly convex spaces*, by Dr. J. A. Clarkson (National Research Fellow). (Abstract No. 42-3-89.)

5. *On the asymptotic distribution of analytic almost periodic functions*, by Mr. R. H. Fox. (Abstract No. 42-3-97.)

6. *Singularities of composite functions in several variables*, by Professor Salomon Bochner and Dr. W. T. Martin (National Research Fellow). (Abstract No. 42-3-84.)

7. *On the converse of Fermat's theorem*, by Dr. D. H. Lehmer. (Abstract No. 42-3-103.)

8. *The subgroup of the elements of finite order of an abelian group*, by Dr. Reinhold Baer. (Abstract No. 42-3-82.)

9. *Necessary and sufficient conditions for generating the simple groups of order 504 and 1092*, by Dr. Abraham Sinkov. (Abstract No. 42-3-109.)

10. *The resultant matrix of two polynomials*, by Dr. M. M. Flood. (Abstract No. 42-3-96.)

11. *The Heaviside problem for the non-uniform transmission line*, by Mr. W. H. Ingram. (Abstract No. 42-1-65.)

12. *A triangular inequality in conformal geometry*, by Professor Edward Kasner. (Abstract No. 42-3-101.)

13. *Under-determined systems of linear differential equations*, by Professor L. M. Graves. (Abstract No. 42-3-98.)

14. *A note on primitive roots in a Galois field*, by Professor A. D. Campbell. (Abstract No. 42-3-85-t.)

15. *Completely alternating transformations*, by Professor G. T. Whyburn. (Abstract No. 42-1-79-t.)

16. *Some problems in additive arithmetic*, by Professor Leonard Carlitz. (Abstract No. 42-3-88.)
17. *On a theorem in higher plane curves*, by Professor Clifford Bell. (Abstract No. 42-3-83-t.)
18. *Partially ordered sets and the inclusion relation*, by Mr. Garrett Birkhoff. (Abstract No. 42-1-80-t.)
19. *Moore-Smith convergence in general topology*, by Mr. Garrett Birkhoff. (Abstract No. 42-1-81-t.)
20. *On some arithmetic functions of several arguments*, by Professor Leonard Carlitz. (Abstract No. 42-3-87-t.)
21. *On higher congruences*, by Professor Leonard Carlitz. (Abstract No. 42-3-86-t.)
22. *Involutorial transformations associated with a ruled quartic surface with a double twisted cubic*, by Professor L. A. Dye. (Abstract No. 42-3-92-t.)
23. *On substitution polynomials*, by Professor H. T. Engstrom. (Abstract No. 42-3-93-t.)
24. *Integration of abstract functions*, by Mr. Nelson Dunford. (Abstract No. 42-3-90-t.)
25. *Linear operations*, by Mr. Nelson Dunford. (Abstract No. 42-3-91-t.)
26. *On the non-alternating images of linear graphs*, by Mr. D. W. Hall. (Abstract No. 42-3-99-t.)
27. *On an asymptotic expression for a certain integral*, by Dr. E. K. Haviland. (Abstract No. 42-3-100-t.)
28. *Polynomials for the  $n$ -ary composition of numerical functions*, by Dr. D. H. Lehmer. (Abstract No. 42-3-104-t.)
29. *Concerning images of certain continua under monotone transformations*, by Mr. W. T. Puckett and Mr. G. C. Watson. (Abstract No. 42-3-105-t.)
30. *On heat conduction in wedge shaped dams*, by Mr. E. D. Rainville. (Abstract No. 42-3-106-t.)
31. *A note on a preceding paper concerning the admissibility of time series*, by Professor Francis Regan. (Abstract No. 42-3-107-t.)
32. *A contribution to the theory of pseudo-functions*, by Mr. L. B. Robinson. (Abstract No. 42-3-108-t.)
33. *Continuous iteration of real functions*, by Professor Morgan Ward and Mr. F. B. Fuller. (Abstract No. 42-3-110-t.)

34. *A note on the asymptotic properties of orthogonal polynomials*, by Mr. R. Wilson. (Abstract No. 42-3-111-*t*.)

35. *Irreducible and arc-preserving transformations*, by Professor G. T. Whyburn. (Abstract No. 42-1-78-*t*.)

36. *On the completeness of Lambert functions*, by Professors Einar Hille and Otto Szász. (Abstract No. 42-3-112-*t*.)

37. *A continued fraction expansion*, by Dr. Walter Leighton. (Abstract No. 42-3-113-*t*.)

J. R. KLINE,  
*Associate Secretary*