

BULLETIN
OF THE
AMERICAN MATHEMATICAL SOCIETY

THE OCTOBER MEETING IN NEW YORK

The three hundred twenty-fifth meeting of the American Mathematical Society was held at Columbia University on Saturday, October 26, 1935. The attendance included the following one hundred nineteen members of the Society:

R. P. Agnew, C. B. Allendoerfer, R. L. Anderson, R. G. Archibald, H. E. Arnold, M. F. Becker, Felix Bernstein, Garrett Birkhoff, L. M. Blumenthal, Salomon Bochner, Joseph Bowden, H. W. Brinkmann, A. B. Brown, A. D. Campbell, E. W. Chittenden, J. A. Clark, J. A. Clarkson, W. B. Coleman, George Comenetz, E. G. H. Comfort, Richard Courant, H. B. Curry, J. H. Curtiss, R. L. Dietzold, E. J. Finan, D. A. Flanders, Edward Fleisher, M. M. Flood, Tomlinson Fort, Jeanette Fox, J. S. Frame, C. W. Franklin, Philip Franklin, T. C. Fry, B. P. Gill, L. M. Graves, S. L. Greitzer, C. C. Grove, Marshall Hall, Morris Halperin, Alan Hazeltine, Robert Henderson, E. H. C. Hildebrandt, Einar Hille, Lulu Hofmann, Harold Hotelling, E. M. Hull, R. A. Johnson, H. M. Kammerer, E. R. van Kampen, Edward Kasner, L. S. Ken- nison, J. R. Kline, M. S. Knebelman, B. O. Koopman, A. W. Landers, R. E. Langer, Solomon Lefschetz, Madeline Levin, E. R. Lorch, L. A. MacColl, N. H. McCoy, H. M. MacNeille, H. F. MacNeish, W. T. Martin, A. E. Meder, A. K. Mitchell, Morris Monsky, Deane Montgomery, Marston Morse, S. B. Myers, D. S. Nathan, C. A. Nelson, John von Neumann, C. O. Oakley, Alta Odoms, Oystein Ore, F. W. Owens, H. B. Owens, W. F. Penney, E. L. Post, Walter Prenowitz, R. G. Putnam, Hans Rademacher, W. C. Randels, J. F. Randolph, M. S. Rees, F. G. Reynolds, Moses Richardson, J. F. Ritt, S. L. Robinson, Benjamin Rosenbaum, I. J. Schoenberg, Jacob Sherman, Max Shiff- man, J. A. Shohat, C. G. Shover, James Singer, Abraham Sinkov, L. L. Smail, P. A. Smith, W. M. Smith, V. E. Spencer, A. H. Sprague, J. M. Thomas, C. B. Tompkins, A. W. Tucker, J. L. Vanderslice, I. L. Van Dyck, Oswald Veblen, J. L. Walsh, G. C. Webber, Louis Weisner, M. E. Wells, S. S. Wilks, W. A. Wilson, Aurel Wintner, H. P. Wirth, Max Zorn.

The meeting opened on Saturday morning with two sectional sessions, one of algebra, and one of analysis and geometry. There was a general session in the afternoon at which Professor J. L. Walsh gave an address on *Interpolation by rational func- tions*.

There was no meeting of the Council or of the Trustees.

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 10 were read before the section of algebra, Professors Philip Franklin and N. H. McCoy presiding; those numbered 11 to 22 before the section of analysis and geometry, Professor Einar Hille presiding; those numbered 23 to 41 at the general session, Professor J. F. Ritt presiding. Mr. Herschfeld was introduced by Professor Ritt, Mr. Perlin by Professor Graves, Dr. Robertson by Professor Kline, and Dr. Siegel by Professor Kline.

1. *A theorem on matrices*, by Dr. E. J. Finan. (Abstract No. 41-11-359.)

2. *Isometric geometry methods in determinant theory*, by Dr. L. M. Blumenthal (National Research Fellow). (Abstract No. 41-9-348.)

3. *On the characteristic roots of matrix polynomials*, by Professor N. H. McCoy. (Abstract No. 41-9-351.)

4. *On the simple group of order 5616*, by Dr. Abraham Sinkov. (Abstract No. 41-11-372.)

5. *Generalizations of some theorems of Schur on irreducible polynomials*, by Mr. Benjamin Rosenbaum. (Abstract No. 41-9-347.)

6. *The equation $2^x - 3^y = d$* , by Mr. Aaron Herschfeld. (Abstract No. 41-9-338.)

7. *The composition of modular algebras*, by Mr. Garrett Birkhoff. (Abstract No. 41-11-356.)

8. *Criteria for the compositeness of finite groups*, by Professor Louis Weisner. (Abstract No. 41-11-409-*t*.)

9. *On Waring's problem and its generalization*, by Professor L. E. Dickson. (Abstract No. 41-11-406-*t*.)

10. *Polyadic groups* (preliminary report), by Dr. E. L. Post. (Abstract No. 41-11-408.)

11. *Discontinuous groups in topological spaces* (preliminary report), by Dr. Max Zorn. (Abstract No. 41-9-352.)

12. *A note on continuous deformations locally one-to-one*, by Dr. C. B. Tompkins. (Abstract No. 41-9-339.)

13. *Conformal geometry of horn angles*, by Professor Edward Kasner and Dr. George Comenetz. (Abstract No. 41-11-365.)

14. *On the singular solutions of algebraic differential equations*, by Professor J. F. Ritt. (Abstract No. 41-11-367.)
15. *Maxima and minima of finite sums*, by Professor Tomlinson Fort. (Abstract No. 41-11-360.)
16. *Note on asymptotic expressions for the zeros of Hermite and Laguerre polynomials*, by Miss V. E. Spencer. (Abstract No. 41-11-373.)
17. *A system of Riquier and the tensor calculus*, by Mr. L. B. Robinson. (Abstract No. 41-11-370-t.)
18. *Classification of measurable functions*, by Professor Philip Franklin. (Abstract No. 41-11-361.)
19. *A particular sequence of step functions*, by Mr. Nelson Dunford. (Abstract No. 41-11-357-t.)
20. *On a theorem of H. Hopf*, by Professor Hassler Whitney. (Abstract No. 41-11-376-t.)
21. *Linear operations on L_p to L_q* , by Mr. Nelson Dunford. (Abstract No. 41-11-358-t.)
22. *A function not constant on a connected set of critical points*, by Professor Hassler Whitney. (Abstract No. 41-11-407-t.)
23. *On mechanical quadratures*, by Professor J. A. Shohat. (Abstract No. 41-11-371.)
24. *Relative conformal invariants*, by Professor Edward Kasner. (Abstract No. 41-11-364.)
25. *Rank correlation and tests of significance involving no assumptions of normality*, by Professor Harold Hotelling and Margaret Richards Pabst. (Abstract No. 41-11-363.)
26. *A new definition of limit*, by Mr. Garrett Birkhoff. (Abstract No. 41-9-355-t.)
27. *A class of multi-symmetric polyhedra*, by Mr. Michael Goldberg. (Abstract No. 41-11-362-t.)
28. *On Monge's differential equation*, by Professor J. W. Lasley. (Abstract No. 41-9-354-t.)
29. *On rational automorphs of binary quadratic forms*, by Professor Gordon Pall. (Abstract No. 41-9-343-t.)
30. *Sufficient conditions for a minimum in the problem of Lagrange with isoperimetric conditions*, by Mr. I. E. Perlin. (Abstract No. 41-9-349-t.)
31. *On the univalence of the Cesàro partial sums of a univalent function*, by Dr. M. S. Robertson (National Research Fellow). (Abstract No. 41-11-369-t.)

32. *On the coefficients of an odd schlicht function*, by Dr. M. S. Robertson (National Research Fellow). (Abstract No. 41-11-368-t.)
33. *Mean values of arithmetic functions in number fields*, by Dr. C. L. Siegel. (Abstract No. 41-9-344-t.)
34. *On the algebraic integrals of the restricted three-body problem*, by Dr. C. L. Siegel. (Abstract No. 41-9-346-t.)
35. *The volume of the fundamental domain for some infinite groups*, by Dr. C. L. Siegel. (Abstract No. 41-9-345-t.)
36. *On confidence ranges for the median and other expectation distributions for populations of unknown distribution form*, by Dr. W. R. Thompson. (Abstract No. 41-11-374-t.)
37. *Concerning spaces of uncountably many dimensions*, by Dr. C. W. Vickery. (Abstract No. 41-9-350-t.)
38. *Elimination of the continuum-hypothesis from algebra*, by Dr. Max Zorn. (Abstract No. 41-11-377-t.)
39. *On Schur's generalization of Fermat's theorem*, by Dr. Max Zorn. (Abstract No. 41-9-353-t.)
40. *On the preservation of angles at a boundary point in conformal mapping*, by Dr. S. E. Warschawski. (Abstract No. 41-11-375-t.)
41. *On prime numbers of real quadratic fields in rectangles*, by Professor Hans Rademacher. (Abstract No. 41-11-366-t.)

J. R. KLINE,
Associate Secretary