

THE APRIL MEETING IN CHICAGO

The three hundred twenty-third meeting of the American Mathematical Society was held at the University of Chicago on Friday and Saturday, April 19–20, 1935. There were about one hundred twenty-five persons in attendance, among whom were the following eighty-nine members of the Society:

A. A. Albert, W. L. Ayres, R. H. Bardell, R. W. Barnard, I. A. Barnett, Ralph Beatley, G. A. Bliss, W. M. Borgman, H. R. Brahana, R. W. Brink, Leonard Bristow, F. L. Brooks, L. E. Bush, W. H. Bussey, G. A. L. Caldwell, E. W. Chittenden, Max Coral, A. R. Crathorne, D. R. Curtiss, Wayne Dancer, L. E. Dickson, L. L. Dines, E. B. Escott, H. S. Everett, C. H. Fischer, L. M. Graves, L. W. Griffiths, E. H. Hanson, W. L. Hart, M. L. Hartung, T. H. Hildebrandt, J. J. L. Hinrichsen, D. L. Holl, Ralph Hull, M. H. Ingraham, Dunham Jackson, E. D. Jenkins, H. F. S. Jonah, W. C. Krathwohl, A. C. Ladner, E. P. Lane, R. E. Langer, C. G. Latimer, F. E. LeSturgeon, M. I. Logsdon, C. C. MacDuffee, W. D. MacMillan, M. L. MacQueen, Wilhelm Maier, H. W. March, Morris Marden, William Markowitz, Sister Mary de Lellis, A. E. May, J. R. Mayor, E. W. Miller, E. J. Moulton, A. L. Nelson, Rufus Oldenburger, G. A. Parkinson, H. P. Pettit, E. C. Pixley, H. H. Pixley, Tibor Radó, G. Y. Rainich, S. E. Rasor, W. T. Reid, R. F. Rinehart, A. E. Ross, W. E. Roth, N. E. Rutt, R. G. Sanger, Henry Scheffé, Henry Schultz, H. A. Simmons, Burke Smith, F. C. Smith, E. S. Sokolnikoff, I. S. Sokolnikoff, R. C. Stephens, H. P. Thielman, C. B. Tompkins, W. J. Trjitzinsky, J. I. Vass, H. E. Vaughan, H. S. Wall, R. L. Wilder, F. B. Wiley, F. E. Wood.

The meeting opened on Friday morning with two sectional sessions, one on Algebra and one on Analysis and Geometry. Friday afternoon Professor L. M. Graves of the University of Chicago gave a lecture entitled *Topics in functional calculus*. Saturday morning was devoted to a general session. During the first fifteen minutes Associate Secretary Ingraham reported on the progress of the campaign for the stabilization of the Society's finances.

Friday evening a dinner was held at Judson Court. About ninety mathematicians and their guests attended. Professor Tibor Radó of Ohio State University acted as toastmaster. He called first upon Professor E. J. Moulton of Northwestern University who discussed the employment situation among doctors in mathematics. Professor T. H. Hildebrandt of the University of Michigan next extended to the members an invitation to Ann

Arbor for the Summer Meeting, September 10–14. Finally Professor R. E. Langer of the University of Wisconsin paid a tribute to the life and work of Professor E. B. Skinner who had regularly attended the Chicago meetings almost from the time that they were started.

Friday morning Professor A. A. Albert of the University of Chicago presided at the Algebra Section, and Professor W. H. Bussey of the University of Minnesota at the Section on Analysis and Geometry. At the Symposium Lecture Professor D. R. Curtiss of Northwestern University presided. Professors E. P. Lane and G. A. Bliss of the University of Chicago alternated as chairmen at the General Session on Saturday morning.

The titles of papers read at the meeting follow. Those whose abstract numbers are followed by t were read by title. Papers numbered 1 to 9 were given in the Algebra Section, those numbered 10–19 in the Analysis Section, and those numbered 20 to 37 in the General Session. Dr. M. S. Robertson was introduced by Professor G. A. Bliss. Mr. L. R. Wilcox was introduced by Professor J. R. Kline.

1. *Classes of maximum numbers associated with certain symmetric equations in n reciprocals*, by Professor H. A. Simmons and Mr. William Block. (Abstract No. 41-5-228.)

2. *Metabelian groups and trilinear forms*, by Professor H. R. Brahana. (Abstract No. 41-5-229.)

3. *On ideals in generalized quaternion algebras and Hermitian forms*, by Professor C. G. Latimer. (Abstract No. 41-3-140.)

4. *On the characteristic values of the matrix $f(A, B)$* , by Professor W. E. Roth. (Abstract No. 41-3-168.)

5. *Generalized determinants of Vandermonde*, by Professor I. A. Barnett, Dr. C. W. Mendel, and Mr. Haim Reingold. (Abstract No. 41-5-230.)

6. *Maximal orders in rational cyclic division algebras of odd prime degree*, by Dr. Ralph Hull (National Research Fellow). (Abstract No. 41-3-169.)

7. *On the composition of quadratic forms*, by Dr. E. D. Jenkins. (Abstract No. 41-5-231.)

8. *A functional equation of certain Vandiver polynomials*, by Mr. H. F. S. Jonah. (Abstract No. 41-5-256.)

9. *Characteristic numbers of trilinear forms*, by Dr. Rufus Oldenburger. (Abstract No. 41-3-177.)

10. *A boundary value problem associated with the calculus of variations*. II, by Dr. W. T. Reid. (Abstract No. 41-5-232.)
11. *Analytic functions star-like in one direction*, by Dr. M. S. Robertson (National Research Fellow). (Abstract No. 41-5-233.)
12. *Local Betti numbers*, by Mr. H. E. Vaughan. (Abstract No. 41-3-179.)
13. *Concerning symmetrical cut-sets*, by Professor Wayne Dancer. (Abstract No. 41-5-234.)
14. *A Dirichlet problem for an ellipsoid lying between two infinite planes*, by Professor I. S. Sokolnikoff and Dr. E. S. Sokolnikoff. (Abstract No. 41-3-167.)
15. *Pseudominimal hypersurfaces and harmonic functions*, by Professors Otto Laporte and G. Y. Rainich. (Abstract No. 41-5-235.)
16. *Linear connections in normal space*, by Mr. C. B. Tompkins. (Abstract No. 41-5-236.)
17. *Pairs of surfaces in five-dimensional space*, by Mr. L. R. Wilcox. (Abstract No. 41-5-237.)
18. *On certain properties of Fréchet L -spaces*, by Dr. E. W. Miller. (Abstract No. 41-5-248.)
19. *Note on the factorization of Fredholm kernels*, by Professor H. P. Thielman. (Abstract No. 41-5-249.)
20. *Normal division algebras of degree p^e over F of characteristic p* , by Professor A. A. Albert. (Abstract No. 41-5-238.)
21. *Covariants of r -parameter groups*, by Professor C. C. MacDuffee. (Abstract No. 41-5-239.)
22. *Abnormality in the calculus of variations*, by Professor G. A. Bliss. (Abstract No. 41-5-240.)
23. *The isoperimetric inequality on the unit sphere*, by Professor Tibor Radó. (Abstract No. 41-3-166.)
24. *A canonical power series expansion for a surface*, by Professor E. P. Lane. (Abstract No. 41-1-100.)
25. *On locally connected spaces*, by Professor R. L. Wilder. (Abstract No. 41-3-178.)
26. *Addition theorem of Euler's Γ -function*, by Professor Wilhelm Maier. (Abstract No. 41-5-255.)
27. *Asymptotic solutions of certain linear differential equations in which the coefficient of the parameter may have a zero* (preliminary report), by Mr. Henry Scheffé. (Abstract No. 41-5-257.)

28. *On the Hilbert irreducibility theorem*, by Professor A. A. Albert. (Abstract No. 41-5-241-t.)
29. *Simple Lie algebras over a non-modular field*, by Professor A. A. Albert. (Abstract No. 41-5-242-t.)
30. *Amicable numbers*, by Mr. E. B. Escott. (Abstract No. 41-5-243-t.)
31. *On certain generalizations of the Cauchy-Taylor expansion theory*, by Dr. Gertrude S. Ketchum. (Abstract No. 41-5-244-t.)
32. *Expansions of functions holomorphic in distinct regions*, by Dr. P. W. Ketchum. (Abstract No. 41-5-245-t.)
33. *Plane sections through an asymptotic tangent of a surface*, by Professor E. P. Lane. (Abstract No. 41-1-101-t.)
34. *On the bilateral equation in matrices*, by Professor W. E. Roth. (Abstract No. 41-1-102-t.)
35. *Linear difference equations containing a parameter*, by Professor W. J. Trjitzinsky. (Abstract No. 41-5-246-t.)
36. *Concerning polar singularities of an analytic function*, by Dr. E. W. Miller. (Abstract No. 41-5-247-t.)
37. *Cyclotomy when e is composite*, by Professor L. E. Dickson. (Abstract No. 41-5-258-t.)

M. H. INGRAHAM,
Associate Secretary