THE APRIL MEETING IN CHICAGO

The four hundred twenty-fifth meeting of the American Mathematical Society was held in Eckhart Hall at the University of Chicago, Chicago, Illinois, on Friday and Saturday, April 25–26, 1947. Thus the Society returned to its traditional Chicago meeting place after an absence of four years. This meeting was the largest April meeting in Chicago in the history of the Society. The previous maximum occurred in 1939, with an attendance of about 250; this time the attendance was about 300, including the following 259 members of the Society:

Professor N. E. Steenrod of the University of Michigan opened the sessions both mornings at 9:30 with the Symposium lectures, delivered under the title Foundations of algebraic topology. Professors Rado and Eilenberg presided at these lectures on Friday and Saturday respectively. On Friday at 1:45 P.M., with Professor Hestenes presiding, Professor Marcel Riesz of Lunds Universitets Matematiska Institution and the University of Chicago gave an hour address entitled Lorentz transformations and Clifford numbers.

Sessions for short research papers were held as follows (Presiding officers are indicated in parentheses): 10:45 A.M. Friday: Section I. Algebra (Professor Baer), Section II. Analysis (Professor Graves); 3:00 P.M. Friday: Section I. Topology (Professor Eilenberg), Section II. Applied Mathematics, Foundations and Analysis (Professor Kleene); 10:45 A.M. Saturday: Section I. Analysis (Professor Halmos), Section II. Algebra and Geometry (Professor Pall).

At the close of the Friday afternoon sessions afternoon tea was served in the Eckhart Hall Common Room and in the Library across the hall. Thanks are due to the Mathematics Department of the University of Chicago for their hospitality, and also to Dr. Irving Kaplansky who was in charge of the local arrangements.

An informal business meeting was held at 8:00 P.M. Friday, for the purpose of crystallizing opinion in regard to location of future midwestern Thanksgiving meetings. Although only thirty-six members attended, they represented the opinions of a much wider group, and the whole question of midwestern meetings was thoroughly discussed. Several resolutions were passed and these were telegraphed to Secretary Kline for consideration by the Council of the Society at its meeting in New York on Saturday, April 26.

Titles and cross references to the abstracts of papers read follow. Papers presented by title are indicated by the letter “t.” Papers numbered 1 to 8 and 9 to 16 were presented Friday morning in Sections I and II respectively; papers 17 to 22 and 23 to 28, Friday after-
noon; papers 29 to 36 and 37 to 44, Saturday morning. Paper 1 was presented by Dr. Kaplansky, paper 7 by Professor Whaples, paper 10 by Professor Mickle, paper 12 by Mr. Rechard, paper 15 by Dr. Piranian, paper 19 by Professor Helsel, paper 27 by Professor McKinsey, and paper 43 by Professor Niven. Mr. Bearman and Mr. Ostrom were introduced by Professor Cameron.


3. R. L. Wilson: A finite method for the determination of the Galois group of an equation with an application to the problem of reducibility. (Abstract 53-5-188.)


5. P. W. Carruth: Generalised power series fields. (Abstract 53-3-114.)


7. C. J. Everett and George Whaples: Representation of classes of finite sets. (Abstract 53-5-170.)

8. H. S. M. Coxeter: Continuity in real projective geometry. (Abstract 53-5-256.)


14. L. H. Kanter: On the roots of orthogonal polynomials and the related Christoffel numbers. (Abstract 53-5-211.)

15. Paul Erdös and George Piranian: Over-convergence on the circle of convergence. (Abstract 53-5-201.)


20. O. H. Hamilton: *A fixed point theorem for upper semi-continuous transformations on n-cells for which the images of points are non-acyclic.* (Abstract 53-5-274.)


23. Rufus Isaacs: *Recent progress in the theory of compressible fluids.* (Abstract 53-5-249.)


27. J. C. C. McKinsey and Alfred Tarski: *Some theorems about the sentential calculi of Lewis and Heyting.* (Abstract 53-5-263.)

28. J. E. Wilkins: *Neumann series of Bessel functions.* (Abstract 53-5-241.)

29. G. M. Ewing: *Variation problems formulated in terms of the Weierstrass integral.* (Abstract 53-5-202.)


32. C. W. Mathews: *Cauchy type double integral representations for functions of a complex variable.* (Abstract 53-5-218.)

33. T. G. Ostrom: *The solution of linear integral equations by means of Wiener integrals.* (Abstract 53-5-222.)

34. R. H. Stark: *Some classes of monotone functions.* (Abstract 53-5-232.)

35. W. F. Eberlein: *A note on ergodic theory.* (Abstract 53-5-199.)

36. M. R. Hestenes: *Sufficient conditions for isoperimetric multiple integral problem in the calculus of variations.* (Abstract 53-5-208.)

37. Marshall Hall: *Cyclic projective planes.* (Abstract 53-5-152.)

38. B. M. Stewart: *Left associated matrices with elements in an algebraic domain.* II. (Abstract 53-5-183.)


41. C. C. Hsiung: *Differential geometry of a surface at a parabolic point*. (Abstract 53-5-259.)

42. B. J. Lockhart: *Covariants of a valence correspondence on an algebraic curve*. (Abstract 53-5-261.)


44. Arthur Bernhart: *Quantitative analysis of rings in minimal maps*. (Abstract 53-5-166.)

45. R. H. Bing: *Extending a metric*. (Abstract 53-5-269-t.)


47. W. F. Eberlein: *A note on spheroidal wave functions*. (Abstract 53-5-245-t.)


49. Rufus Isaacs: *Inverse iterates*. (Abstract 53-5-209-t.)


51. S. C. Kleene: *Analysis of lengthening of modulated repetitive pulses*. (Abstract 53-5-250-t.)


56. A. E. Ross: *On continuous transformations of a continuous closed curve*. (Abstract 53-3-161-t.)


64. M. F. Smiley: *Binary systems which are almost loops*. (Abstract 53-5-182-t.)


66. E. A. Trabant: *The Riemannian geometry of the symmetric top*. (Abstract 53-5-255-t.)

67. S. M. Ulam and John von Neumann: *On the group of homeomorphisms of the surface of the sphere*. (Abstract 53-5-283-t.)

68. N. A. Wiegmann: *Some theorems on normal matrices with analogs of the generalized principal axis transformation*. (Abstract 53-5-187-t.)

R. H. Bruck,
Associate Secretary