THE NOVEMBER MEETING IN AMES

The four hundred twentieth meeting of the American Mathematical Society was held at the Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa, November 29–30, 1946. About one hundred twenty-five persons attended, among whom were the following eighty-six members of the Society:

E. S. Allen, N. R. Amundson, E. W. Anderson, K. J. Arnold, R. W. Babcock, J. W. Beach, H. W. Becker, R. H. Bing, L. M. Blumenthal, F. E. Bortle, W. C. Brenke, Foster Brooks, G. W. Brown, R. H. Bruck, L. E. Bush, R. H. Cameron, R. E. Carr, E. W. Chittenden, H. E. Clarkson, B. H. Colvin, M. E. Daniells, M. D. Donsker, H. P. Doole, W. G. Dyer, John Dyer-Bennet, G. M. Ewing, J. S. Frame, M. G. Gaba, B. E. Gillam, Cornelius Gouwens, Edison Greer, F. S. Harper, Charles Hatfield, A. S. Henriques, G. A. Herr, Archie Higdon, J. J. L. Hinrichsen, D. L. Holl, Ralph Hull, F. B. Jones, G. K. Kalisch, L. M. Kelly, J. C. Koken, Solomon Lefschetz, A. T. Lonseth, C. T. McCormick, J. V. McKelvey, M. M. McKelvey, Kenneth May, W. L. Mitchell, Vladimir Morkovin, Ivan Niven, M. J. Norris, E. N. Oberg, E. B. Ogden, J. M. H. Olmsted, G. B. Price, Tibor Rado, P. V. Reichelderfer, P. R. Rider, R. F. Rinehart, R. E. Roberson, D. H. Rock, E. H. Rothe, W. T. Scott, C. E. Sealander, M. E. Shanks, Marlow Sholander, E. R. Smith, G. W. Smith, H. F. Smith, R. D. Specht, C. E. Springer, R. H. Stark, Rothwell Stephens, E. B. Stouffer, L. W. Swanson, H. P. Thielman, C. J. Thorne, W. J. Thron, Gerhard Tintner, H. L. Turrittin, V. J. Varineau, Bernard Vinograde, S. E. Warschawski, Roscoe Woods.

On Friday at 4:00 P.M. Professor S. E. Warschawski of the University of Minnesota, under the joint auspices of the Society and the Research Council of Iowa State College, delivered an address entitled *Conformal mapping of nearly circular regions*. Professor Solomon Lefschetz presided. On Saturday at 9:30 A.M. Professor P. V. Reichelderfer of the University of Wisconsin spoke on *The essential part of a surface*, with Professor Tibor Rado presiding.

There was a session for short papers Friday morning. Two such sessions were held Friday afternoon, and one on Saturday morning. Presiding officers at these sessions were, respectively, Professor P. V. Reichelderfer, Professors E. W. Chittenden and H. P. Thielman, and Professor R. H. Cameron.

One hundred sixty-four members and friends of the Society were entertained at a very excellent dinner Friday night, held in the Memorial Union of Iowa State College. Professor D. L. Holl was toastmaster. Following the Brahms Horn Trio, played by Professors E. S. Allen, G. W. Brown and R. G. Wendell, President C. E. Friley welcomed the Society on behalf of Iowa State College and discussed the impact of increased enrollments upon American colleges. Dean E. B. Stouffer replied for the Society and went on to point out the new

problems of college teaching. At the suggestion of the toastmaster everyone rose and stood in silent tribute to the memory of the late Professor Dunham Jackson, who died on November 6, 1946. The next speaker was the Associate Secretary, who pointed out that the decision to return to the practice of a movable Thanksgiving meeting was the result of a widespread canvass of opinion at universities and colleges in the midwest. He suggested that, despite difficulties of transportation, the Ames meeting had amply proved the wisdom of this decision. The program concluded with an illustrated lecture by Dean Buchanan of Iowa State College, describing his recent trip through Arabia. The dinner was followed by an informal evening, with bridge and bowling for those who were interested.

The committee on arrangements consisted of Professors E. R. Smith (Chairman), R. H. Cameron, E. W. Chittenden, H. P. Thielman, and Bernard Vinograde. Professor Smith and his committee are to be congratulated on the excellence of the arrangements both for the meetings and for the dinner.

Titles and cross references to the abstracts of papers read follow below. Papers presented by title are indicated by the letter "*t.*" Papers numbered 1 to 6 were presented Friday morning; papers 7 to 16, in two sections Friday afternoon; papers 17 to 21, Saturday morning. Papers 22 to 44 were read by title. Paper 9 was presented by Professor Greer, and paper 21 was read for Professor Bourgin by Professor Lonseth. Professor Haskell was introduced by Professor Craig; Mr. Langenhop and Mr. Stone by Professor Thielman; Professor Mood, by Professor Bruck; Professor Stiles by Professor Holl; and Sister Petronia Van Straten by Professor Menger.

1. H. L. Turrittin: *Stokes multipliers for asymptotic solutions of a certain differential equation.* (Abstract 53-1-79.)

2. W. B. Stiles: *Bending of clamped plates.* (Abstract 53-1-76.)

3. R. E. Carr: *Enantiomorphism in mathematical models of organic molecules.* Preliminary report. (Abstract 53-1-67.)

4. J. W. Beach: *Flow of slow viscous fluid between rotating cylinders.* (Abstract 53-1-63.)

5. F. E. Bortle: *Boundary problem in partially clamped rectangular plates.* (Abstract 53-1-64.)

6. G. W. Brown: *The stability of feedback solutions of simultaneous linear equations.* (Abstract 53-1-66.)

7. Bernard Vinograde: *Radicals associated with equivalent semi-simple residue systems.* (Abstract 53-1-23.)

8. Ralph Hull: *Generators of the rational integral symplectic groups.* (Abstract 53-1-17.)

9. Edison Greer and P. O. Bell: *A study of analytic surfaces by means of a projective theory of envelopes.* (Abstract 52-11-390.)

10. C. E. Springer: *Union torsion of a curve on a surface.* (Abstract 53-1-85.)

11. L. M. Blumenthal: *Superposability in elliptic space.* II. (Abstract 53-1-80.)

12. H. W. Becker: *Circuit algebra.* (Abstract 52-11-377.)

13. Gerhard Tintner: *The statistical estimation of the dimensionality of a given set of observations.* (Abstract 53-1-91.)

14. Kenneth May: *Technological change as a functional variation.* (Abstract 53-1-74.)

15. R. H. Bing: *Some characterizations of a simple closed curve.* (Abstract 53-1-95.)

16. F. B. Jones: *Concerning non-aposyndetic continua.* (Abstract 53-1-100.)

17. H. P. Thielman: *On continuous and discontinuous solutions of generalized Cauchy functional equations.* (Abstract 53-1-53.)

18. C. E. Langenhop: *Analytic functions of matrices.* (Abstract 53-1-37.)

19. W. M. Stone: *On Samuelson's generalized Laplace transformation.* (Abstract 53-1-49.)

20. W. J. Thron: *Periodic iterated fractions.* (Abstract 53-1-54.)

21. D. G. Bourgin: *Representations of compositions.* (Abstract 53-1-65.)

22. A. A. Albert: *A structure theory for Jordan algebras.* (Abstract 53-1-1-*t.*)

23. N. R. Amundson: *Unsymmetrically loaded orthotropic thin plates on elastic foundations.* (Abstract 53-1-62-*t.*)

24. Reinhold Baer: *Direct decompositions.* (Abstract 53-1-3-*t.*)

25. Reinhold Baer: *Endomorphism rings of operator loops.* (Abstract 53-1-4-*t.*)

26. Reinhold Baer: *Splitting endomorphisms.* (Abstract 53-1-5-*t.*)

27. H. W. Becker: *Generalizations of the Epstein-Fourier series.* (Abstract 53-1-25-*t.*)

28. H. W. Becker: *Rooks and rhymes.* (Abstract 52-11-395-*t.*)

29. R. H. Bing: *Solution of a problem proposed by R. L. Wilder.* (Abstract 53-1-94-*t.*)

30. Evelyn Frank: *On continued fraction expansions of analytic functions.* (Abstract 53-1-29-*t.*)

31. R. E. Gaskell: *An extension of the finite Fourier transformation.* (Abstract 52-11-379-*t.*)

32. R. N. Haskell: *Mean values and biharmonic polynomials*. (Abstract 52-9-294-*t*.)

33. M. R. Hestenes: *An indirect sufficiency proof for the problem of Bolza in nonparametric form*. (Abstract 53-1-34-*t*.)

34. W. N. Huff: *On the type of the polynomials generated by* $f(x\tau)\phi(\tau)$. (Abstract 52-11-367-*t*.)

35. A. M. Mood: *On Hotelling's weighing problem*. (Abstract 53-1-89-*t*.)

36. W. D. Munro: *Orthogonal trigonometric sums with auxiliary conditions*. (Abstract 53-1-43-*t*.)

37. L. J. Paige: *A note on finite abelian groups*. (Abstract 53-1-20-*t*.)

38. P. V. Reichelderfer: *On the definition of the essential multiplicity for continuous transformations in the plane*. (Abstract 52-11-372-*t*.)

39. H. J. Ryser: *Rational vector spaces*. Preliminary report. (Abstract 53-1-21-*t*.)

40. W. T. Scott and H. S. Wall: *On the convergence and divergence of continued fractions*. (Abstract 52-11-374-*t*.)

41. Marlow Sholander: *On the existence of the inverse operation in certain spaces*. (Abstract 52-9-278-*t*.)

42. M. H. Stone: *Pseudo-norms and partial orderings in abelian groups*. (Abstract 53-1-48-*t*.)

43. M. H. Stone: *Remarks on metrizability*. (Abstract 53-1-103-*t*.)

44. Sister Petronia Van Straten: *Toroidal and non-toroidal graphs*. (Abstract 53-1-104-*t*.)

<div style="text-align:right">

R. H. Bruck,
Associate Secretary

</div>