THE FEBRUARY MEETING IN NEW YORK

The four hundred fourteenth meeting of the American Mathematical Society was held at Columbia University on Saturday, February 23rd in conjunction with a meeting of the Association for Symbolic Logic. The attendance was approximately three hundred including the following two hundred forty-two members of the Society:

Leonidas Alaoglu, C. B. Allendoerfer, R. L. Anderson, R. F. Arens, H. A. Arnold, H. E. Arnold, L. A. Aroian, W. A. Asprey, Silvio Aurora, Melvin Avramy, E. G. Baker, S. F. Barger, I. L. Battin, E. G. Begle, Stefan Bergman, P. G. Bergmann, Lipman Bers, Archie Blake, Gertrude Blanch, M. L. Boas, R. P. Boas, H. W. Bode, G. L. Bolton, C. B. Boyer, C. C. Bramble, A. B. Brown, C. T. Bumer, R. S. Burington, A. W. Burks, Hobart Bushey, J. H. Bushey, H. H. Campaigne, G. C. Campbell, W. B. Campbell, Herman Chernoff, D. E. Christie, Alonzo Church, E. P. Churchill, R. V. Churchill, M. D. Clement, G. R. Clements, A. B. Coble, Carl Cohen, I. S. Cohen, T. F. Cope, Franco Croci, D. R. Crosby, H. B. Curry, M. D. Darkow, Norman Davids, F. H. Davidson, D. J. Dickinson, C. H. Dowker, Y. N. Dowker, T. L. Downs, T. C. Doyle, R. J. Duffin, Nelson Dunford, J. C. Durand, W. D. Duthie, Jacques Dutka, Samuel Eilenberg, W. H. Fagerstrom, Ky Fan, A. B. Farnell, Herbert Federer, J. M. Feld, N. J. Fine, W. B. Fite, F. H. Fowler, R. H. Fox, Gerald Freilich, Bernard Friedman, R. E. Fullerton, Aaron Galuten, Hilda Geiringer, Abe Gelbart, David Gilbarg, P. W. Gilbert, A. M. Gleason, A. W. Goodman, R. O. Goodman, A. M. C. Grant, M. C. Gray, George Grossman, C. C. Grove, D. W. Hall, F. C. Hall, Marshall Hall, H. K. Hammer, K. E. Hazard, E. A. Hedberg, G. A. Hedlund, M. H. Heins, Erik Hemmingsen, Edwin Hewitt, L. S. Hill, Einar Hille, Abraham Hillman, Banesh Hoffmann, T. R. Hollcroft, Harold Hotelling, E. M. Hull, H. D. Huskey, (L.) C. Hutchinson, Nathan Jacobson, Herbert Jehle, Fritz John, R. A. Johnson, R. E. Johnson, A. W. Jones, Edward Kasner, M. E. Kellar, J. L. Kelley, D. E. Kibbey, W. J. Klimczak, J. R. Kline, E. G. Kogbetliantz, R. E. Langer, J. A. Larrivee, J. R. Lee, D. H. Lehmer, R. A. Leibler, Howard Levi, Norman Levinson, Marie Litzinger, W. R. Longley, L. H. Loomis, E. R. Lorch, A. N. Lowan, N. H. McCoy, S. W. McCuskey, L. A. MacColl, G. W. Mackey, Saunders MacLane, H. F. MacNeish, A. J. Maria, M. H. Martin, W. T. Martin, A. E. Meder, Karl Menger, D. D. Miller, D. S. Miller, Don Mittleman, Deane Montgomery, T. W. Moore, D. J. Morrow, Marston Morse, Ernest Nagel, C. A. Nelson, O. E. Neugebauer, Morris Newman, G. E. Noether, P. B. Norman, L. R. Norwood, C. O. Oakley, Rufus Oldenburger, L. F. Ollmann, J. C. Oxtoby, J. S. Oxtoby, L. G. Peck, B. J. Pettis, C. R. Phelps, R. S. Phillips, Everett Pitcher, Harry Polachek, Harry Pollard, E. L. Post, M. H. Protter, R. G. Putnam, Hans Rademacher, Moses Richardson, R. G. D. Richardson, D. E. Richmond, C. E. Rickart, John Riordan, J. F. Ritt, E. K. Ritter, H. E. Robbins, R. E. Roberson, V. N. Robinson, P. C. Rosenbloom, Arthur Sard, L. J. Savage, S. A. Schaaf, Robert Schatten, I. J. Schoenberg, Lowell Schoenfeld, E. J. Scott, J. B. Secrist, I. E. Segal, C. E. Shannon, R. H. Shaw, Max Shiffman, James Singer, M. M. Slotnick, D. M. Smiley, M. F. Smiley, Harold E. Smith, P. A. Smith, E. R. Stabler, E. P. Starke, F. M. Stewart, J. J. Stoker, M. H. Stone, W. J. Strange, E. G. Straus, L. M. Straus, R. C. Strodt, W. C. Strodt, A. C. Sugar, M. M. Sullivan, E. G. Swafford, A. H. Taub, Feodor Theilheimer,

J. M. Thomas, Leonard Tornheim, J. I. Tracey, C. A. Truesdell, Y. W. Tschen, A. W. Tucker, Bryant Tuckerman, J. W. Tukey, Annita Tuller, H. E. Vansant, G. L. Walker, A. D. Wallace, W. R. Wasow, J. V. Wehausen, Harry Weingarten, Louis Weisner, A. P. Wheeler, G. W. Whitehead, D. V. Widder, John Williamson, H. P. Wirth, W. D. Wray, Bertram Yood, J. W. Young, Leo Zippin, M. F. Zucker, Antoni Zygmund.

The meeting Saturday morning was divided into two sections, one for papers in Analysis, Geometry, and Topology, at which Dr. R. P. Boas presided, and one for papers in Algebra, Logic, Applied Mathematics, and Statistics, at which Professor Marshall Hall presided.

At the general session Saturday afternoon, Professor A. D. Wallace gave an address entitled *Spheroidal properties of normal spaces.* Professor Saunders MacLane presided.

Titles and cross references to the abstracts of the papers read follow below. Papers whose abstract numbers are followed by the letter "*t*" were read by title. Papers numbered 1–10 were presented in the section for Analysis, Geometry, and Topology, papers 11–19 in the section for Algebra, Logic, Applied Mathematics, and Statistics, papers 20–50 were presented by title. Paper 6 was read by Dr. Schatten, paper 10 by Professor Pitcher, paper 14 by Professor Tukey. Professor Hua was introduced by Dr. H. F. Tuan, Mr. Kohn by Professor Alexander Weinstein, and Professor Schiffer by Dr. Stefan Bergman.

1. Erik Hemmingsen: *Dimension theory for normal Hausdorff spaces.* Preliminary report. (Abstract 52-3-100.)

2. I. E. Segal: *Topological groups in which multiplication on one side is differentiable.* (Abstract 52-3-75.)

3. C. H. Dowker: *Lebesgue dimension of a normal space.* (Abstract 52-3-99.)

4. G. W. Whitehead: *On families of continuous vector fields over spheres.* (Abstract 52-3-102.)

5. T. C. Doyle: *Tensor theory of invariants for the projective differential geometry of a ruled surface.* (Abstract 52-3-90.)

6. Robert Schatten and John von Neumann: *The cross-space of linear transformations.* II. (Abstract 52-1-22.)

7. R. E. Fullerton: *Compactness in certain Lebesgue spaces.* (Abstract 52-3-68.)

8. Herman Chernoff: *Complex solutions of partial differential equations.* I. (Abstract 52-1-16.)

9. Harry Pollard: *Integral transforms.* (Abstract 52-3-72.)

10. J. L. Kelley and Everett Pitcher: *Applications of natural homomorphism sequences.* II. (Abstract 52-5-209.)

11. Leonard Tornheim: *A method for determining the number of compositions of certain types.* (Abstract 52-3-61.)

12. D. H. Lehmer: *Some non-existence theorems on partitions.* (Abstract 52-3-59.)

13. Archie Blake: *A Boolean derivation of the Moore-Osgood Theorem.* (Abstract 52-3-94.)

14. G. W. Brown and J. W. Tukey: *Some distributions of sample means.* (Abstract 52-3-96.)

15. Herbert Jehle: *Transformation of hydrodynamical equations of stellar dynamics.* (Abstract 52-3-80.)

16. R. J. Duffin: *Nonlinear networks.* II. (Abstract 52-3-79.)

17. R. S. Phillips: *rms error criterion in servo system design.* (Abstract 52-3-81.)

18. Harry Polachek: *Solution of the differential equations of motion of a projectile in a medium of quasi-Newtonian resistance.* (Abstract 52-3-82.)

19. Einar Hille: *Analysis in a noncommutative Banach algebra without unit element.* (Abstract 52-5-153.)

20. A. A. Albert: *On Jordan algebras of linear transformations.* (Abstract 52-3-53-*t*.)

21. Reinhold Baer: *Polarities in finite projective planes.* (Abstract 52-3-89-*t*.)

22. R. H. Bing: *Generalization of a theorem of Janiszewski.* (Abstract 52-3-97-*t*.)

23. R. H. Bing: *Sets cutting the plane.* (Abstract 52-3-98-*t*.)

24. G. D. Birkhoff and Garrett Birkhoff: *Distributive postulates for systems like Boolean algebras.* (Abstract 52-3-93-*t*.)

25. Gertrude Blanch: *On the computation of Mathieu functions.* (Abstract 52-3-62-*t*.)

26. R. C. Buck: *On a class of entire functions.* I. (Abstract 52-3-63-*t*.)

27. R. C. Buck: *On a class of entire functions.* II. (Abstract 52-3-64-*t*.)

28. Herman Chernoff: *Complex solutions of partial differential equations.* II. (Abstract 52-3-65-*t*.)

29. Paul Civin: *Polynomial dominants.* (Abstract 52-3-66-*t*.)

30. Nelson Dunford: *Resolutions of the identity.* (Abstract 52-5-143-*t*.)

31. Leonard Greenstone: *Mapping by analytic functions of multiply connected domains.* (Abstract 52-3-69-*t*.)

32. Edwin Hewitt: *A characterization of rings of continuous functions.* (Abstract 52-5-204-*t*.)

33. Edwin Hewitt: *A generalization of the concept of complete regularity*. Preliminary report. (Abstract 52-5-205-*t*.)

34. Edwin Hewitt: *An effective construction of the Stone-Čech beta for a countable discrete space*. (Abstract 52-5-206-*t*.)

35. J. D. Hill: *Summability of the sequence of Rademacher functions*. (Abstract 52-3-70-*t*.)

36. L. K. Hua: *Orthogonal classification of Hermitian matrices*. (Abstract 52-3-56-*t*.)

37. Edward Kasner and John DeCicco: *Problems on perspective maps*. (Abstract 52-1-35-*t*.)

38. G. K. Kalisch: *Completion of topological rings and fields*. (Abstract 52-3-58-*t*.)

39. Walter Kohn: *Distortion by simple functions*. (Abstract 52-3-71-*t*.)

40. D. P. Ling: *Geodesics on surfaces of revolution*. (Abstract 52-3-92-*t*.)

41. Harry Pollard: *Necessary and sufficient conditions for the representation of an analytic function as a Laguerre series*. Preliminary report. (Abstract 52-3-73-*t*.)

42. Eric Reisner: *Stresses and small displacements in shallow spherical shells*. (Abstract 52-3-83-*t*.)

43. L. B. Robinson: *Solution of an integral equation by alternating successive approximations*. I. (Abstract 52-1-20-*t*.)

44. L. B. Robinson: *Solution of an integral equation by alternating successive approximations*. II. (Abstract 52-1-21-*t*.)

45. H. E. Salzer: *Coefficients for repeated integration with central differences*. (Abstract 52-1-28-*t*.)

46. H. E. Salzer: *Table of coefficients for obtaining the first derivative without differences*. (Abstract 52-1-29-*t*.)

47. Menahem Schiffer: *On the kernel function of an orthonormal system*. (Abstract 52-3-74-*t*.)

48. J. M. Thomas: *Division sequences*. (Abstract 52-3-60-*t*.)

49. Alexander Weinstein: *On Stokes' stream function and Weber's discontinuous integral*. (Abstract 52-3-88-*t*.)

50. H. J. Zimmerberg: *On a self-adjoint differential system of even order*. (Abstract 52-3-77-*t*.)

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T. R. HOLLCROFT,
Associate Secretary

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