THE APRIL MEETING IN NEW YORK

The three hundred ninety-fifth meeting of the American Mathematical Society was held at Hunter College on Saturday, April 24, 1943. The attendance included the following one hundred forty-two members of the Society:

R. L. Anderson, T. W. Anderson, R. G. Archibald, L. A. Aroian, A. V. Baez, Y. K. Bal, J. L. Barnes, A. E. Basch, P. T. Bateman, E. G. Begle, Stefan Bergman, Felix Bernstein, Garrett Birkhoff, Gertrude Blanch, Henry Blumberg, S. G. Bourne, C. B. Boyer, A. T. Brauer, A. B. Brown, R. C. Buck, Hobart Bushey, J. H. Bushey, R. H. Cameron, B. E. Carlson, T. F. Cope, A. P. Cowgill, H. B. Curry, J. H. Curtiss, M. D. Darkow, A. S. Day, R. P. Dilworth, Jesse Douglas, R. J. Duffin, Nelson Dunford, Jacques Dutka, J. E. Eaton, M. L. Elveback, Benjamin Epstein, Paul Erdös, J. M. Feld, A. D. Fialkow, W. B. Fite, Edward Fleisher, R. M. Foster, G. A. Foyle, J. S. Frame, K. O. Friedrichs, D. L. Fuller, R. E. Fullerton, H. P. Geiringer, B. P. Gill, Leonard Gillman, Wulf Gotz, Bernard Greenspan, Lewis Greenwald, C. C. Grove, W. W. Gutzman, Jacques Hadamard, B. L. Hagen, D. W. Hall, F. C. Hall, N. A. Hall, Hans-Karl Hammer, Einar Hille, Banesh Hoffmann, T. R. Hollcroft, M. W. Hopkins, E. M. Hull, Witold Hurewicz, L. C. Hutchinson, Walter Jennings, R. A. Johnson, F. E. Johnston, A. W. Jones, F. B. Jones, H. A. Jordan, Irving Kaplansky, Edward Kasner, D. E. Kibbey, Mark Kormes, Arthur Korn, B. A. Lengyel, Marie Litzinger, L. H. Loomis, E. R. Lorch, A. N. Lowan, R. K. Luneburg, L. A. MacColl, C. C. MacDuffee, H. M. MacNeille, H. F. MacNeish, D. S. Miller, L. W. Miller, E. C. Molina, C. N. Moore, F. J. Murray, C. O. Oakley, J. C. Oxtoby, M. K. Peabody, E. L. Post, M. H. Protter, A. L. Putnam, R. G. Putnam, L. L. Rauch, Mina Rees, F. G. Reynolds, Moses Richardson, R. G. D. Richardson, C. E. Rickart, J. F. Ritt, S. L. Robinson, P. C. Rosenbloom, Arthur Sard, Max Sasuly, A. T. Schafer, R. D. Schafer, I. E. Segal, James Singer, P. A. Smith, W. J. Strange, E. G. Straus, W. C. Strodt, Otto Szász, J. D. Tamarkin, J. I. Tracey, Peter Treuenfels, H. F. Tuan, Bryant Tuckerman, J. W. Tukey, D. F. Votaw, G. L. Walker, André Weil, Alexander Weinstein, Louis Weisner, R. A. Wetzel, George Whaples, A. P. Wheeler, John Williamson, Jack Wolfe, Fumio Yagi, Oscar Zariski, Antoni Zygmund.

The meeting opened at 10 A.M. in two sections, one for papers in Analysis, Professor Anna P. Wheeler presiding, and one for papers in Algebra, Geometry and Theory of Numbers, Professor Garrett Birkhoff presiding. At the general session immediately following these sections Professor Nelson Dunford gave an address entitled *Spectral theory*. Vice President C. C. MacDuffee presided at this session. In the afternoon at 2 P.M. there was a general session at which Professor R. H. Cameron gave an address entitled *Absolutely convergent trigonometric sums*. Vice President J. D. Tamarkin presided at this session.

The hospitality of Hunter College was very much appreciated by all who attended the meeting. By special arrangement, for the convenience of guests, an excellent lunch was served in the Hunter College Cafeteria.

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 to 6 were read in the section for Analysis, papers 7 to 13 in the section for Algebra, Geometry and Theory of Numbers; papers 14 to 23 were read by title. Paper 11 was read by Professor Kasner. Professor Alexandroff was introduced by Professor Solomon Lefschetz, and Dr. Kober by Professor Einar Hille.

1. L. H. Loomis: *Spherical volume as a coordinate-free basis for Lebesgue measure theory*. (Abstract 49-5-143.)

2. Otto Szász: *On some trigonometric summability methods and Gibbs phenomenon*. (Abstract 49-5-148.)

3. Alexander Weinstein: *Differential equations with general boundary conditions*. (Abstract 49-5-154.)

4. Henry Blumberg: *On arbitrary point transformations*. (Abstract 49-1-25.)

5. C. N. Moore: *On the relationship between Nörlund means of a certain type*. (Abstract 49-1-37.)

6. R. J. Duffin: *Some representations for Fourier transforms*. (Abstract 49-5-132.)

7. J. E. Eaton: *A Galois theory for differential fields*. (Abstract 49-5-127.)

8. R. P. Dilworth: *Lattices with unique complements*. (Abstract 49-5-126.)

9. A. T. Brauer: *On the non-existence of odd perfect numbers of form $p^{\alpha}q_1^2 q_2^2 \cdots q_{t-1}^2 q_t^4$*. (Abstract 49-5-125.)

10. Jacques Hadamard: *On fractional iteration and connected questions*. (Abstract 49-5-162.)

11. Edward Kasner and John DeCicco: *Generalized transformation theory of isothermal families*. (Abstract 49-5-164.)

12. T. R. Hollcroft: *Plane curve systems with distinct nodes and cusps and of negative virtual dimension*. (Abstract 49-5-163.)

13. Jacques Dutka: *Transversality in higher space*. (Abstract 49-5-161.)

14. Paul Alexandroff: *On homological situation properties of complexes and closed sets*. (Abstract 49-7-198-*t*.)

15. H. R. Branson: *On the difference equation of a general quantum mechanical problem*. (Abstract 49-5-155-*t*.)

16. Nelson Dunford: *Spectral theory. I. Convergence to projections*. (Abstract 49-7-185-*t*.)

17. Edward Kasner and John DeCicco: *The congruence of element-series associated with a polygenic function*. (Abstract 49-5-165-*t*.)

18. Herman Kober: *On the approximation to integrable functions by integral functions.* (Abstract 49-7-187-*t.*)

19. E. R. Lorch: *The theory of analytic functions in normed abelian vector rings.* (Abstract 49-7-188-*t.*)

20. A. N. Lowan and H. E. Salzer: *Coefficients in the expansion of derivatives in terms of central differences.* (Abstract 49-7-196-*t.*)

21. Robert Schatten: *On certain properties of crossnorms.* (Abstract 49-5-146-*t.*)

22. A. E. Taylor: *Banach spaces of functions representable by Cauchy's integral formula.* (Abstract 49-5-149-*t.*)

23. L. I. Wade (National Research Fellow): *Transcendence properties of the Carlitz ψ-function.* (Abstract 49-5-130-*t.*)

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T. R. HOLLCROFT,
Associate Secretary

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