

THE OCTOBER MEETING IN NEW YORK

The three hundred forty-fourth meeting of the American Mathematical Society was held at Columbia University on Saturday, October 30, 1937. The attendance included the following one hundred sixty-six members of the Society:

H. S. Adams, R. P. Agnew, E. B. Allen, R. L. Anderson, R. G. Archibald, F. E. Baker, N. H. Ball, M. F. Becker, D. L. Bernstein, W. J. Berry, G. D. Birkhoff, E. M. Blake, R. P. Boas, H. W. Bode, H. F. Bohnenblust, Samuel Borofsky, Joseph Bowden, C. B. Boyer, A. D. Bradley, A. B. Brown, B. L. Brown, R. S. Burington, J. H. Bushey, J. Hughes Bushey, W. E. Byrne, J. W. Calkin, R. H. Cameron, A. D. Campbell, Alonzo Church, G. A. Coon, T. F. Cope, H. B. Curry, J. H. Curtiss, Tobias Dantzig, Norman Davidowitz, J. J. DeCicco, E. L. Dodd, Arnold Dresden, Melvin Dresner, D. M. Dribin, H. T. Engstrom, J. M. Feld, Aaron Fialkow, T. S. Fiske, W. B. Fite, W. W. Flexner, R. M. Foster, J. S. Frame, Sr. Francis Xavier, Philip Franklin, Kurt Friedrichs, D. L. Fuller, J. J. Gergen, B. P. Gill, J. W. Givens, Saul Gorn, S. L. Greitzer, C. C. Grove, Margaret Gurney, Marshall Hall, Philip Hartman, G. G. Harvey, Robert Henderson, E. H. C. Hildebrandt, Einar Hille, Banesh Hoffmann, Lulu Hofmann, T. R. Hollcroft, M. A. Holly, E. M. Hull, Witold Hurewicz, W. H. Ingram, S. A. Joffe, M. M. Johnson, H. A. Jordan, I. N. Kagno, E. R. van Kampen, L. S. Kennison, J. R. Kline, M. S. Knebelman, L. A. Knowler, B. O. Koopman, Jack Laderman, Solomon Lefschetz, C. A. Lester, Madeline Levin, Harry Levy, Marie Litzinger, E. R. Lorch, L. A. Lorch, A. N. Lowan, N. H. McCoy, J. C. C. McKinsey, L. A. MacColl, C. C. MacDuffee, H. M. MacNeille, R. J. Marcou, A. J. Maria, Sr. Marie McNeil, Walther Mayer, Karl Menger, F. H. Miller, A. K. Mitchell, E. C. Molina, Deane Montgomery, C. B. Morrey, Richard Morris, A. P. Morse, Marston Morse, G. W. Mullins, F. J. Murray, D. S. Nathan, C. A. Nelson, Rufus Oldenburger, Oystein Ore, E. K. Paxton, W. F. Penney, E. L. Post, Walter Prenowitz, J. F. Randolph, H. W. Raudenbush, M. S. Rees, Moses Richardson, R. G. D. Richardson, J. F. Ritt, J. H. Roberts, M. S. Robertson, S. L. Robinson, J. B. Rosser, O. F. G. Schilling, Hyman Serbin, Stephan Serghiesco, L. P. Sicheloff, James Singer, M. F. Smiley, P. A. Smith, W. C. Strodt, D. J. Struik, R. R. Struik, M. M. Sullivan, J. D. Tamarkin, A. E. Taylor, J. M. Thomas, E. W. Titt, C. B. Tompkins, J. W. Tukey, Annita Tuller, J. L. Vanderslice, Oswald Veblen, R. J. Walker, H. S. Wall, Louis Weisner, M. J. Weiss, M. E. Wells, Hermann Weyl, A. P. Wheeler, A. L. Whiteman, J. K. Whittemore, D. V. Widder, Norbert Wiener, S. S. Wilks, Aurel Wintner, H. P. Wirth, Leo Zippin, O. J. Zobel, H. S. Zuckerman.

Two sections, one for Algebra and Topology, the other for Analysis and Differential Geometry, met on Saturday morning. At a general session Saturday afternoon, Professor D. J. Struik, of the Massachusetts Institute of Technology, gave an address entitled *The application of tensor analysis to problems of electrical engineering*.

The general session opened with a short business meeting at which the members of the Society voted, on recommendation of the Coun-

cil, to amend the phrase "three Associate Secretaries" in Article I, Section 1 of the By-Laws to read "four Associate Secretaries."

The Board of Trustees met at 6 P.M. Friday, October 29, in the Faculty Club of Columbia University. A tentative budget for 1938 was adopted. Mr. S. A. Joffe and Professor A. E. Meder, Jr. were appointed auditors of the accounts for the current fiscal year. Professor M. H. Ingraham was elected Secretary of the Board of Trustees for a term ending December 31, 1938. The prices of the Colloquium Publications were revised. The Charles Phelps Taft Memorial Fund of the University of Cincinnati was thanked for a generous subvention of \$600 toward the publication of the forthcoming Colloquium volume, *Summable Series and Convergence Factors*, by Professor C. N. Moore.

A meeting of the Council was held at 1:00 P.M. Saturday, October 30, in the Faculty Club.

Three persons were elected to membership in the Society:

Mrs. Mary Piper Hollcroft (Mrs. T. R.), Wells College;

Mr. Wilfred Kaplan, Jamaica Plain, Mass.;

Dr. James Keene Lorne MacDonald, Cornell University.

Mr. Philip Hall, King's College, Cambridge, England, was admitted to the Society under the reciprocity agreement with the London Mathematical Society.

The following appointments by President R. L. Moore were reported: as committee to nominate representatives on the National Research Council and the Council of the American Association for the Advancement of Science: Professors J. L. Walsh (chairman), C. G. Latimer, and T. Y. Thomas; as committee on fees for Summer Meetings: Professors M. H. Ingraham (chairman), P. A. Smith, and J. D. Tamarkin.

The Council voted to dedicate the 1938 volume of the Bulletin to Earle Raymond Hedrick in appreciation of his services to the Society as Editor-in-Chief of the Bulletin for the past seventeen years.

The Council, with the approval of the Board of Trustees, appointed Professor W. L. Ayres, of the University of Michigan, Associate Secretary for the remainder of the year 1937, to fill the vacancy created by vote of the Society at this meeting.

It was announced that Professors A. A. Albert and M. H. Stone had accepted invitations to deliver each a series of Colloquium Lectures in 1939.

Titles and cross references to abstracts of papers presented at this meeting are given below. Papers numbered 1 to 8 were read before

the section for Algebra and Topology, Professor C. C. MacDuffee presiding; papers numbered 9 to 16 were read before the section for Analysis and Differential Geometry, Professor Karl Menger presiding. Papers numbered 17 to 24, whose abstract numbers are followed by the letter *t*, were read by title. Vice President Norbert Wiener presided at the afternoon session. Professor Tadasi Nakayama was introduced by Professor Hermann Weyl and Professor A. E. Staniland by Professor J. S. Taylor. Paper number 2 was read by Dr. Nesbitt, 6 by Dr. Zippin, and 13 by Dr. Boas.

1. *A determination of the automorphisms of certain algebraic fields*, by Caroline A. Lester. (Abstract 43-9-370.)

2. *On modular representations of groups of finite order*, by Richard Brauer and Cecil Nesbitt. (Abstract 43-11-374.)

3. *A remark on representations of groups*, by Tadasi Nakayama. (Abstract 43-11-382.)

4. *Note on the four color problem*, by Philip Franklin. (Abstract 43-11-378.)

5. *Some properties of the general or substitutive mean*, by E. L. Dodd. (Abstract 43-9-368.)

6. *On abelian groups of auto-homeomorphisms of metric spaces*, by Deane Montgomery and Leo Zippin. (Abstract 43-11-381.)

7. *Decomposition of forms*, by Rufus Oldenburger. (Abstract 43-11-383.)

8. *A problem connected with the "axiomatic of affine geometry,"* by Ruth R. Struik. (Abstract 43-11-426.)

9. *Fields whose geodesic series have circles for their point- or line-unions*, by J. J. DeCicco. (Abstract 43-11-377.)

10. *Hypersurfaces of a space of constant curvature*, by Aaron Fialkow. (Abstract 43-9-369.)

11. *Analytic transformations in euclidean space of $2n$ dimensions*, by A. E. Staniland. (Abstract 43-9-359.)

12. *Linear functionals satisfying prescribed conditions*, by R. P. Agnew. (Abstract 43-11-372.)

13. *The iterated Stieltjes transform*, by R. P. Boas, Jr. (National Research Fellow) and D. V. Widder. (Abstract 43-11-373.)

14. *The distribution of values of an analytic almost periodic function in equally spaced circles*, by R. H. Cameron. (Abstract 43-11-375.)

15. *Uniform convergence and summability of the Jacobi series on an unrestricted lemniscate*, by J. H. Curtiss. (Abstract 43-11-376.)

16. *Mean motion of almost periodic functions and the Riemann zeta function*, by Philip Hartman (Abstract 43-11-424.)

17. *On the numerical solution of integral equations* (preliminary report), by W. H. Ingram. (Abstract 43-7-285-t.)
18. *On fourth order self-adjoint difference systems*, by V. V. Latshaw. (Abstract 43-11-397-t.)
19. *Note on the operational determination of Green's functions in the theory of heat conduction*, by A. N. Lowan. (Abstract 43-11-380-t.)
20. *The quaternion congruence $\bar{\tau}\alpha\tau \equiv \beta \pmod{p}$* , by R. E. O'Connor, S.J. (Abstract 43-9-371-t.)
21. *A note on regular Banach spaces*, by B. J. Pettis. (Abstract 43-11-384-t.)
22. *On a functional equation which admits a lacunary function as a solution*, by L. B. Robinson. (Abstract 43-11-385-t.)
23. *Magic squares of the fifth order*, by F. H. Safford. (Abstract 43-7-313-t.)
24. *The place of Euclid's tenth book in ancient and modern science*, by Ruth R. Struik. (Abstract 43-11-425-t.)

T. R. HOLLCROFT,
Associate Secretary