

THE FEBRUARY MEETING IN NEW YORK

The two hundred eighty-seventh meeting of the American Mathematical Society was held at Columbia University, on Saturday, February 28, 1931, extending through the usual morning and afternoon sessions. The attendance included the following ninety-five members:

C. R. Adams, R. B. Adams, R. P. Agnew, A. A. Albert, R. L. Anderson, R. C. Archibald, H. E. Arnold, F. W. Beal, A. A. Bennett, T. C. Benton, A. C. Berry, A. B. Brown, J. H. Bushey, S. S. Cairns, W. D. Cairns, B. H. Camp, G. A. Campbell, Alonzo Church, L. W. Cohen, J. L. Coolidge, E. H. Cutler, M. D. Darkow, F. W. Doermann, J. L. Dorroh, L. P. Eisenhart, J. M. Feld, T. S. Fiske, W. B. Fite, W. W. Flexner, Tomlinson Fort, R. M. Foster, T. C. Fry, J. W. Glover, M. C. Gray, F. C. Hall, S. B. Hansell, L. A. Hazeltine, Robert Henderson, Einar Hille, J. C. Hughes, W. A. Hurwitz, L. W. Hussey, M. H. Ingraham, S. A. Joffe, R. A. Johnson, Edward Kasner, L. S. Kennison, M. V. Kenny, J. R. Kline, M. S. Knebelman, E. A. Knobelauch, J. H. Kusner, A. W. Landers, C. A. Lovell, N. H. McCoy, A. E. Meder, F. H. Miller, A. K. Mitchell, L. T. Moore, Marston Morse, G. W. Mullins, C. A. Nelson, Oystein Ore, L. J. Paradiso, W. O. Pennell, E. L. Post, H. W. Raudenbush, H. W. Reddick, R. G. D. Richardson, J. F. Ritt, H. P. Robertson, Irwin Roman, H. M. Schlauch, C. E. Seely, Wladimir Seidel, Stefan Serghiesco, L. P. Sicheloff, L. G. Simons, D. E. Smith, A. H. Sprague, Paul Szabo, J. D. Tamarkin, J. M. Thomas, Oswald Veblen, J. L. Walsh, J. H. M. Wedderburn, Louis Weisner, M. E. Wells, A. P. Wheeler, H. S. White, L. E. Widmark, Norbert Wiener, W. L. G. Williams, W. A. Wilson, J. W. Young.

At the meeting of the Council, held Friday evening, February 27, at the Governor Clinton Hotel, the following persons were elected to membership in the Society:

Dr. David Gordon Bourgin, University of Illinois;
Mr. Jack Britton, University of Colorado;
Miss Lillian Dundes, Columbia University;
Mr. Jules Alphonse Larrivé, Massachusetts Institute of Technology;
Mr. Simon Lehrman, physical chemist, Hamilton, Canada;
Mr. Charles Bradfield Morrey, Jr., Harvard University;
Mr. Edwin J. Purcell, Boulder, Colorado;
Dr. Wladimir Seidel, Harvard University;
Dr. George William Starcher, Ohio University;
Professor Hugh E. Stelson, Kent State College, Kent, Ohio;
Mr. Albert William Tucker, Princeton University;
Dr. Wilfrid Wilson, University of Illinois.

As nominees of Allyn and Bacon:

Mr. Gaines Barrett Lang, University of Illinois;
Mr. Edgar Raymond Lorch, Columbia University;
Mr. Carroll Vincent Newsom, University of Michigan.

As nominees of the National Life Insurance Company of the United States of America:

Mr. David Joseph Colbert, Brown University.
Mr. Vivian S. Lawrence, Jr., Cornell University;
Dr. Clifford William Mendel, University of Chicago;
Mr. Herbert Earl Spencer, Cornell University.

As nominee of Members of the Department of Mathematics of the University of Wisconsin:

Mr. Nathan Schwid, University of Wisconsin.

It was announced that Professor P. W. Bridgman, of Harvard University, is to give the ninth Josiah Willard Gibbs Lecture in December, 1931.

At the meeting of the Council there was a prolonged discussion of the financial needs of the Society, and the Committee on Funds was requested to investigate further.

At the beginning of the afternoon session, by invitation of the Program Committee, Professor C. R. Adams delivered an address entitled *Linear q -difference equations*. This address will appear in full in a later issue of this Bulletin.

President Eisenhart presided at both sessions, relieved by Professor H. S. White.

Titles and cross-references* to the abstracts of the papers read at this meeting follow below. The papers whose abstract numbers are followed by the letter t were read by title. Dr. Cauer was introduced by Professor Fort, Dr. Harshbarger by Professor Sharpe, and Dr. Seidel by Professor Walsh.

1. *On the approximation of continuous functions by linear combinations of continuous functions*, by Dr. Wladimir Seidel (National Research Fellow). (Abstract No. 37-3-115.)

2. *An interpolation problem of functions with positive real part*, by Dr. W. Cauer. (Abstract No. 37-3-116.)

3. *On interpolation and approximation by rational functions with preassigned poles*, by Professor J. L. Walsh. (Abstract No. 37-3-117.)

* See this Bulletin, vol. 36, p. 6, footnote.

4. *On convergence and summability of double orthogonal series*, by Dr. R. P. Agnew (National Research Fellow). (Abstract No. 37-1-105.)
5. *Reflections in function space*, by Dr. L. S. Kennison. (Abstract No. 37-3-118.)
6. *Quotients of differential forms*, by Professor J. F. Ritt. (Abstract No. 37-3-119.)
7. *Representation by Fourier series of functions whose successive intervals lie in separate planes differing by a phase angle*, by Mr. W. O. Pennell. (Abstract No. 37-3-120.)
8. *On repeat operations*. Preliminary report, by Mr. L. E. Widmark. (Abstract No. 37-3-121.)
9. *On the join of two complexes*, by Dr. A. B. Brown. (Abstract No. 37-1-106.)
10. *On continuous curves which are homogeneous except for a countable infinity of points*, by Dr. T. C. Benton. (Abstract No. 37-3-122.)
11. *A classification of all pure Riemann matrices of genus $p \leq 8$* , by Dr. A. A. Albert. (Abstract No. 37-3-123-t.)
12. *A Galois theory in semi-simple rings*, by Dr. Jakob Levitzki. (Abstract No. 37-1-112-t.)
13. *On the Bring-Jerrard quintic*, by Professor Raymond Garver. (Abstract No. 37-3-124-t.)
14. *Tschirnhaus transformations and the real roots of an equation*, by Professor Raymond Garver. (Abstract No. 37-3-125-t.)
15. *On the curvatures of a curve in Riemann space*, by Dr. E. H. Cutler. (Abstract No. 37-3-126-t.)
16. *Penosculating conics of a plane curve*, by Professor J. W. Lasley. (Abstract No. 37-3-127-t.)
17. *On the derivatives of harmonic functions on the boundary*, by Professor O. D. Kellogg. (Abstract No. 37-1-113-t.)
18. *On convex arcs and surfaces*, by Dr. S. B. Littauer (National Research Fellow). (Abstract No. 37-3-128-t.)
19. *On spaces V_ω* , by Professor R. G. Putnam. (Abstract No. 37-3-129-t.)
20. *On homeomorphic graphs and the connectivity of graphs*, by Mr. Hassler Whitney. (Abstract No. 37-3-130-t.)
21. *On the cyclic connectivity theorem*, by Dr. G. T. Whyburn. (Abstract No. 37-1-109-t.)

22. *On semi-metric spaces*, by Professor W. A. Wilson. (Abstract No. 37-1-110-t.)
23. *Invariance under contact transformation*, by Professor Edward Kasner. (Abstract No. 37-3-131.)
24. *On the Frenet formulas for a general subspace of a Riemann space*, by Dr. E. H. Cutler. (Abstract No. 37-3-132.)
25. *Linear equations in non-commutative domains*, by Professor Oystein Ore. (Abstract No. 37-1-108.)
26. *The integers represented by sets of positive ternary quadratic forms*, by Dr. A. A. Albert. (Abstract No. 37-3-133.)
27. *On nilpotent subrings*, by Dr. Jakob Levitzki. (Abstract No. 37-1-111.)
28. *On the resultant of three double binary forms*, by Dr. N. H. McCoy (National Research Fellow). (Abstract No. 37-1-107.)
29. *The geometric configuration defined by a special algebraic relation of genus 4*, by Dr. Frances Harshbarger. (Abstract No. 37-3-134-t.)

TOMLINSON FORT,
Associate Secretary