

BULLETIN
OF THE
AMERICAN MATHEMATICAL SOCIETY

THE OCTOBER MEETING IN NEW YORK

The two hundred eighty-third meeting of the American Mathematical Society was held at Columbia University, on Saturday, October 25, 1930, extending through the usual morning and afternoon sessions. The attendance included the following ninety members:

A. A. Albert, R. L. Anderson, H. E. Arnold, T. C. Benton, William Johnston Berry, Bertha Boschwitz, Gregory Breit, A. B. Brown, W. R. Church, R. P. Conkling, L. P. Copeland, Tobias Dantzig, H. T. Davis, M. S. Demos, F. W. Doermann, Arnold Dresden, T. S. Fiske, W. B. Fite, Tomlinson Fort, Orrin Frink, R. A. K. Frisch, C. A. Garabedian, B. P. Gill, J. W. Glover, W. O. Gordon, T. H. Gronwall, C. C. Grove, S. B. Hansell, G. A. Hedlund, Einar Hille, Lulu Hofmann, A. N. Holden, J. C. Hughes, Dunham Jackson, S. A. Joffe, R. A. Johnson, B. W. Jones, P. C. Jones, Edward Kasner, L. S. Kennison, M. V. Kenny, E. A. Kholodovsky, E. A. Knobelauch, B. O. Koopman, Mark Kormes, Alfred Korzybski, Michel Kovalenko, Helen Kunte, J. H. Kusner, A. W. Landers, Solomon Lefschetz, W. R. Longley, E. O. McCormick, N. H. McCoy, E. J. McShane, A. E. Meder, F. H. Miller, E. C. Molina, Morris Monsky, G. W. Mullins, C. A. Nelson, Oystein Ore, J. K. Peterson, G. A. Pfeiffer, H. R. Phalen, E. L. Post, R. G. Putnam, H. W. Reddick, C. N. Reynolds, J. F. Ritt, H. P. Robertson, H. M. Schlauch, C. E. Seely, J. A. Shohat, L. G. Simons, L. L. Smail, P. A. Smith, M. H. Stone, Alexander Tartler, J. M. Thomas, W. J. Trjitzinsky, J. L. Vanderslice, Oswald Veblen, Leonard Vexler, J. H. M. Wedderburn, Clement Weinstein, Louis Weisner, M. E. Wells, Hassler Whitney, J. K. Whittemore.

At the request of the Program Committee, Professor M. H. Stone, of Harvard University, delivered, at the afternoon session, an address entitled *Group representations in Hilbert space*.

Vice-President Lefschetz presided at the afternoon session; he was relieved by Professor Veblen during the morning session.

Titles and cross references* to the abstracts of the papers read at this session follow below. The papers whose abstract numbers are followed by the letter *t* were read by title.

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

1. *A new definition of genus for ternary quadratic forms*, by Professor B. W. Jones. (Abstract No. 36-11-385.)
2. *On algebras of type R in thirty-six units*, by Dr. A. A. Albert. (Abstract No. 36-9-380.)
3. *A study of indefinitely differentiable and quasi-analytic functions*, by Dr. W. J. Trjitzinsky (National Research Fellow). (Abstract No. 36-11-386.)
4. *On the classical orthogonal polynomials*, by Dr. J. A. Shohat. (Abstract No. 36-11-387.)
5. *Near-collineations*, by Professor Edward Kasner. (Abstract No. 36-11-388.)
6. *On structure*, by Mr. Alfred Korzybski. (Abstract No. 36-11-389.)
7. *A generalized theory of mathematical types*, by Mr. Alfred Korzybski. (Abstract No. 36-11-390-t.)
8. *A non-aristotelian system*, by Mr. Alfred Korzybski. (Abstract No. 36-11-391-t.)
9. *Existence of a surface of absolutely least area bounded by a given contour*, by Professor Jesse Douglas. (Abstract No. 36-11-392-t.)
10. *The problem of Plateau for two contours*, by Professor Jesse Douglas. (Abstract No. 36-11-393-t.)
11. *The problem of Plateau for a Möbius leaf*, by Professor Jesse Douglas. (Abstract No. 36-11-394-t.)
12. *A problem in the topological differential geometry of surfaces*, by Professor Jesse Douglas. (Abstract No. 36-11-395-t.)
13. *Two types of connected sets*, by Dr. P. M. Swingle. (Abstract No. 36-9-382-t.)
14. *Plane transformations preserving centers of gravity, II*, by Dr. Lulu Hofmann. (Abstract No. 36-11-401.)
15. *A logical expansion in mathematics*, by Mr. Hassler Whitney. (Abstract No. 36-11-396-t.)
16. *A theory of graphs and their coloring*, by Mr. Hassler Whitney. (Abstract No. 36-11-397.)
17. *Critical sets of an arbitrary real analytic function of n variables*, by Dr. A. B. Brown. (Abstract No. 36-11-398.)
18. *Semi-continuity in the calculus of variations, and absolute minima for space problems*, by Dr. E. J. McShane. (Abstract No. 36-11-402.)

19. *The critical points of a function of n variables*, by Professor Marston Morse. (Abstract No. 36-11-399-*t*.)

20. *On a problem concerning the "aleph-null Bein,"* by Dr. Leo Zippin (National Research Fellow). (Abstract No. 36-11-400-*t*.)

ARNOLD DRESDEN,
Associate Secretary

THE NOVEMBER MEETING IN LOS ANGELES

The two hundred eighty-fifth regular meeting of the Society was held at the University of California at Los Angeles on Saturday, November 29, 1930. The first session was called to order by President Hedrick at 10:30 A.M. Dr. E. C. Moore, Vice President of the University, was introduced and gave a brief address of welcome. A second session was held in the afternoon beginning at 2:00 o'clock. The meetings were presided over at different times by Professors D. N. Lehmer and H. Bateman.

There were present during the day some seventy persons, including the following thirty-four members of the Society:

O. W. Albert, L. D. Ames, H. M. Bacon, Harry Bateman, Clifford Bell, E. T. Bell, H. F. Blichfeldt, Leonard Carlitz, Myrtie Collier, P. H. Daus, J. L. Dorroh, Raymond Garver, H. E. Glazier, E. R. Hedrick, E. J. Hills, G. H. Hunt, C. G. Jaeger, Glenn James, D. H. Lehmer, D. N. Lehmer, W. E. Mason, A. D. Michal, Gordon Pall, T. M. Putnam, A. A. Shaw, G. E. F. Sherwood, H. M. Showman, F. C. Touton, S. E. Urner, J. V. Uspensky, Morgan Ward, W. M. Whyburn, Clyde Wolfe, E. R. Worthington.

Included amongst the visitors were Professor P. Ehrenfest of the University of Leyden, at present visiting professor at the California Institute of Technology, and Professor Harald Bohr of the University of Copenhagen, resident during the current year at Stanford University.

By invitation of the Program Committee, Professor Blichfeldt of Stanford University opened the morning session with an address on *Geometry of numbers applied to a well known problem in Diophantine approximation*. At the opening of the afternoon session, Professor Bohr addressed the Society on *The theory of Dirichlet series*.

The titles of papers read at the meeting follow. Those whose