

## THE OCTOBER MEETING IN NEW YORK

The two hundred ninety-third meeting of the American Mathematical Society was held at Columbia University, on Saturday, October 31, 1931, extending through the usual morning and afternoon sessions. The attendance included the following one hundred members of the Society:

R. P. Agnew, R. L. Anderson, R. G. Archibald, J. W. Arnold, T. C. Benton, B. A. Bernstein, A. C. Berry, William James Berry, Joseph Bowden, A. B. Brown, J. H. Bushey, S. S. Cairns, B. H. Camp, G. A. Campbell, George Comenetz, L. D. Cummings, Jesse Douglas, Arnold Dresden, L. P. Eisenhart, W. W. Elliott, T. S. Fiske, W. B. Fite, D. A. Flanders, Tomlinson Fort, R. M. Foster, E. U. Frey, K. G. Fuller, C. A. Garabedian, H. M. Gehman, B. P. Gill, J. W. Glover, M. C. Gray, T. H. Gronwall, C. C. Grove, C. M. Hebbert, Robert Henderson, L. S. Hill, Einar Hille, Lulu Hofmann, Harold Hotelling, J. C. Hughes, L. W. Hussey, S. A. Joffe, R. A. Johnson, H. M. Kammerer, Edward Kasner, M. V. Kenny, J. R. Kline, M. S. Knebelman, B. O. Koopman, Mark Kormes, A. W. Landers, V. V. Latshaw, E. R. Lorch, James McGiffert, L. A. MacColl, F. H. Miller, E. C. Molina, Richard Morris, G. W. Mullins, C. A. Nelson, Oystein Ore, F. W. Owens, H. B. Owens, E. L. Post, A. G. Rau, H. W. Raudenbush, H. W. Reddick, M. S. Rees, R. G. D. Richardson, J. F. Ritt, H. P. Robertson, H. M. Schlauch, C. E. Seely, Wladimir Seidel, Edward Sellers, Stefan Serghiesco, J. A. Shohat, L. P. Sicheloff, L. G. Simons, L. L. Smail, P. A. Smith, M. H. Stone, H. G. Swain, J. D. Tamarkin, Alexander Tartler, J. M. Thomas, M. M. Torrey, Annita Tuller, Oswald Veblen, M. E. Wells, Anna Pell Wheeler, H. S. White, Hassler Whitney, D. V. Widder, S. S. Wilks, W. A. Wilson, H. M. Wright, Jacob Yerushalmy, Leo Zippin.

At the meeting of the Council, the following eleven persons were elected to membership in the Society:

Mr. Ralph Alexander Beaver, New York State College, Albany;  
Professor Gaston Swindell Bruton, University of the South;  
Professor Montgomery Morton Culver, University of Pittsburgh;  
Professor Mary de Lellis Gough (Sister Mary de Lellis), Incarnate Word College;  
Mr. Ralph Aubrie Hefner, Georgia School of Technology;  
Professor William Robert Hutcherson, Berea College;  
Mr. Rufus Oldenburger, University of Michigan;  
Mr. Theodore Paine Palmer, Harvard University;  
Professor Mabel Frances Schmeiser, Nebraska State Teachers College, Wayne;  
Dr. Rothwell Clifford Stephens, Knox College;  
Mr. Yuan-Yung Tseng, Fellow of the Chinese Government.

The report of the Committee on the Cole Prize in the Theory of Numbers was received and the recipient chosen; it was voted

to announce the award at the Annual Meeting. A reciprocity agreement with the Deutsche Mathematiker-Vereinigung was consummated, details of which are given in the Notes in this Bulletin. An invitation was received from Harvard University to hold the winter meeting of 1933 at that institution. The difficult financial situation of the Society was discussed and various steps were approved with a view to ensuring that the main activities of the Society should not be too much hampered.

The following appointments were reported: to represent the Society at the inauguration of William Pearson Tolley as President of Allegheny College, October 9, 1931, Professor Virgil Snyder; to represent the Society at the inauguration of Harry Clinton Gossard as President of the New Mexico Normal University, October 8, 1931, Dean T. G. Rodgers; to represent the Society at the inauguration of James Monroe Smith as President of Louisiana State University, November 12, 1931, Professor H. E. Buchanan; to represent the Society at the meeting of the Rittenhouse Bicentenary Citizens Committee held in Philadelphia, October 12, 1931, Professor H. H. Mitchell.

At the request of the Program Committee, Professor D. V. Widder, of Harvard University, delivered, at the beginning of the afternoon session, an address entitled *Some recent developments in the theory of Laplace integrals*.

Titles and cross-references to the abstracts of the papers read at the regular sessions follow below. Dr. Hopf was introduced by Professor Tamarkin, Miss Sullivan by Professor Kellogg, and Mr. Winston by Professor Shohat. The papers whose abstract numbers are followed by the letter *t* were read by title.

1. *Covering of analytical loci by complexes*, by Dr. A. B. Brown and Professor B. O. Koopman. (Abstract No. 37-11-334.)

2. *On the double-point configurations of two projective planes on the same base as the result of the superposition of two distinct projectively related planes of euclidean space*, by Dr. Lulu Hofmann. (Abstract No. 37-11-335.)

3. *On the lines of Julia of entire functions*, Part I, by Dr. Wladimir Seidel and Dr. S. B. Littauer (National Research Fellows). (Abstract No. 37-11-336-*t*.)

4. *On the lines of Julia of entire functions*, Part II, by Dr. Wladimir Seidel and Dr. S. B. Littauer (National Research Fellows). (Abstract No. 37-11-337.)

5. *The condition for an orthonomic differential system*, by Professor J. M. Thomas. (Abstract No. 37-11-338.)
6. *A table of Fourier integrals for practical applications*. Preliminary report, by Mr. R. M. Foster. (Abstract No. 37-11-339.)
7. *The algebra of self-adjoint boundary value problems*, by Dr. V. V. Latshaw. (Abstract No. 37-11-340.)
8. *On interpolation*, by Professor J. A. Shohat. (Abstract No. 37-9-330.)
9. *On a generalized binomial series*, by Mr. E. A. Kholodovsky. (Abstract No. 37-7-256-t.)
10. *On mechanical quadratures of Gauss' type*, by Mr. C. Winston. (Abstract No. 37-9-333.)
11. *On a certain new class of orthogonal polynomials*, by Mr. Alexander Tartler. (Abstract No. 37-9-331.)
12. *Note on analytic curves everywhere dense in the plane*, by Dr. Wladimir Seidel (National Research Fellow). (Abstract No. 37-11-341-t.)
13. *On a certain line locus associated with the lines of two distinct projectively related planes in euclidean space*, by Dr. Lulu Hofmann. (Abstract No. 37-11-342-t.)
14. *Normal division algebras of order sixteen over an algebraic field*, by Professor A. A. Albert. (Abstract No. 37-9-329-t.)
15. *A third-order irregular boundary value problem and the associated expansion*, by Professor L. E. Ward. (Abstract No. 37-11-343-t.)
16. *Affine geometries which are metric*, by Mr. C. A. Lovell. (Abstract No. 37-11-344-t.)
17. *The determination of the canonical pencils by means of the linear complexes osculating the asymptotic curves of a surface*, by Professor E. D. Meacham. (Abstract No. 37-11-345-t.)
18. *The class of surfaces whose osculating ruled surfaces belong to linear complexes*, by Professor E. D. Meacham. (Abstract No. 37-11-346-t.)
19. *Certain tetrahedrons associated with a point of a non-ruled surface*, by Professor E. D. Meacham. (Abstract No. 37-11-347-t.)
20. *On the overconvergence of certain sequences of rational functions of best approximation*, by Professor J. L. Walsh. (Abstract No. 37-11-355-t.)

21. *Properties of group manifolds*, by Professor P. A. Smith. (Abstract No. 37-11-356-t.)
22. *Proof of the analyticity of the surface of a rotating fluid in equilibrium*, by Dr. Eberhard Hopf. (Abstract No. 37-11-357.)
23. *On proposition \*4.78 of Principia Mathematica*, by Professor B. A. Bernstein. (Abstract No. 37-11-358.)
24. *Seven lines in the real projective plane*, by Professor H. S. White. (Abstract No. 37-9-332.)
25. *Hexagonal systems of seven lines in a plane*, by Professor Louise D. Cummings. (Abstract No. 37-11-359.)
26. *A curiosity in complex geometry*, by Professor Edward Kasner. (Abstract No. 37-11-348.)
27. *On the compactness of the space  $L_p$* , by Professor J. D. Tamarkin. (Abstract No. 37-11-349.)
28. *On the derivatives of potentials on the boundary*, by Professor O. D. Kellogg and Miss Mildred Sullivan. (Abstract No. 37-11-350-t.)
29. *Formal theory of linear differential equations*, by Professor Oystein Ore. (Abstract No. 37-11-351.)
30. *Concerning sequences of homeomorphisms*, by Professor H. M. Gehman. (Abstract No. 37-11-352.)
31. *Acyclic, bounded, continuous curves which are homogeneous except for a zero-dimensional set having a non-dense perfect with derived set*, by Dr. T. C. Benton. (Abstract No. 37-11-353.)
32. *A characterization of the closed 2-cell*, by Mr. Hassler Whitney. (Abstract No. 37-11-354.)

R. G. D. RICHARDSON,  
*Secretary*