

THE OCTOBER MEETING IN NEW YORK

The three hundred ninetyeth meeting of the American Mathematical Society was held at the Hotel Pennsylvania on Friday and at Columbia University on Saturday, October 30–31, 1942. The attendance included the following one hundred fifty-eight members of the Society:

A. A. Albert, T. W. Anderson, R. G. Archibald, L. A. Aroian, S. F. Barber, J. L. Barnes, A. E. Basch, M. F. Becker, Stefan Bergman, P. G. Bergmann, E. E. Betz, Felix Bernstein, Garrett Birkhoff, G. D. Birkhoff, Gertrude Blanch, Salomon Bochner, H. F. Bohnenblust, S. G. Bourne, Joseph Bowden, H. W. Brinkmann, G. W. Brown, Hobart Bushey, J. H. Bushey, S. S. Cairns, M. E. Carlen, M. D. Clement, I. S. Cohen, Harvey Cohn, T. F. Cope, Richard Courant, J. E. Crawford, M. T. Curran, J. H. Curtiss, Jesse Douglas, Arnold Dresden, Nelson Dunford, J. E. Eaton, M. L. Elveback, Paul Erdős, A. D. Fialkow, M. M. Flood, Tomlinson Fort, M. C. Foster, R. M. Foster, K. O. Friedrichs, B. P. Gill, L. M. Graves, Bernard Greenspan, C. C. Grove, E. J. Gumbel, Margaret Gurney, Jacques Hadamard, F. C. Hall, L. A. Hazeltine, E. R. Hedrick, Edward Helly, Aaron Herschfeld, Max Herzberger, E. H. Hildebrandt, Einar Hille, Abraham Hillman, Banesh Hoffmann, T. R. Holcroft, M. W. Hopkins, E. M. Hull, R. P. Isaacs, S. A. Joffe, Fritz John, Edward Kasner, J. R. Kline, B. O. Koopman, Mark Kormes, Arthur Korn, H. N. Laden, M. E. Ladue, J. A. Larrivee, Solomon Lefschetz, B. A. Lengyel, Marie Litzinger, E. R. Lorch, A. N. Lowan, R. K. Luneberg, A. W. McMillan, Brockway McMillan, L. A. MacColl, C. C. MacDuffee, Saunders MacLane, H. F. MacNeish, H. B. Mann, A. J. Maria, M. H. Maria, Imanuel Marx, Walther Mayer, A. E. Meder, H. L. Mintzer, E. C. Molina, Parry Moon, Marston Morse, G. W. Mullins, C. A. Nelson, C. O. Oakley, L. F. Ollmann, Oystein Ore, J. C. Oxtoby, E. L. Post, R. G. Putnam, Hans Rademacher, J. F. Randolph, L. L. Rauch, Mina Rees, Moses Richardson, J. F. Ritt, S. L. Robinson, Benjamin Rosenbaum, J. E. Rosenthal, Arthur Sard, R. D. Schafer, Henry Scheffé, M. G. Scherberg, I. E. Segal, Abraham Seidenberg, Stephan Serghiesco, Bernard Sherman, Seymour Sherman, Max Shiffman, James Singer, R. R. Singleton, P. A. Smith, Ernst Snapper, A. H. Sprague, E. R. Stabler, J. J. Stoker, W. C. Strodt, S. R. R. Struik, M. M. Sullivan, J. L. Synge, J. D. Tamarkin, W. R. Transue, C. A. Truesdell, A. W. Tucker, Bryant Tuckerman, J. W. Tukey, D. F. Votaw, L. I. Wade, W. R. Wasow, Louis Weisner, M. E. Wells, H. S. White, A. L. Whiteman, P. M. Whitman, J. E. Wilkins, S. S. Wilks, John Williamson, H. A. Wood, Alexander Wundheiler, Leo Zippin, O. J. Zobel, Antoni Zygmund.

Friday afternoon the Society joined with the Optical Society of America in a symposium on *Mathematics in the field of optics*. Mr. R. M. Foster presided at the session which included the following addresses: *The theory of the Schmidt telescope* by Professor J. L. Synge of the University of Toronto, *The mathematics of turbid media* by Dr. S. Q. Duntley of the Massachusetts Institute of Technology, *A matrix treatment of optical systems, with polarizing, birefringent, and optically active elements* by Dr. R. C. Jones of the Bell Telephone

Laboratories, and *New methods of calculating illumination* by Professor Parry Moon of the Massachusetts Institute of Technology.

The Society met in two sections on Saturday morning, one for presentation of papers in analysis and geometry with Professor Antoni Zygmund presiding, and another for algebra, statistics and applied mathematics with Professor H. W. Brinkmann presiding.

President Marston Morse presided at the general session Saturday afternoon at which Professor Salomon Bochner of Princeton University gave an address on *Continuation of analytic functions in several variables*.

Members of the Society joined with members of the Optical Society of America and the Society of Rheology at lunch at the Hotel Pennsylvania on Friday. Dr. F. B. Jewett, Vice President of the American Telephone and Telegraph Company, was the speaker at the luncheon. Members of the Society were invited to attend the annual dinner of the Optical Society of America which was held at the Hotel Pennsylvania Friday evening. One of the speakers was President Marston Morse who discussed the interest of mathematicians in applied mathematics.

The Council met on Saturday, October 31, at 12:00 M. in the Men's Faculty Club at Columbia University.

The Secretary announced the election of the following three persons to membership in the Society:

Mr. Robert Steiner Fouch, Army Air Forces Pre-Flight School, Maxwell Field, Ala.;
Mr. Paul W. Healy, Case School of Applied Science;
Mr. Alvin Spiro, Ann Arbor, Mich.

The following appointments by President Marston Morse were reported: as a Committee on Printing Contracts, Dean Tomlinson Fort (chairman), Dean M. H. Ingraham, Professor J. D. Tamarkin; as representative of the Society at the celebration of the Fiftieth Anniversary of the Founding of The Woman's College of the University of North Carolina on October 4-5, 1942, Professor J. M. Thomas; as representative of the Society at the inauguration of John Nelson Russell Score as President of Southwestern University (Georgetown, Texas) on October 6, 1942, Professor E. L. Dodd; as representative of the Society at the inauguration of Charles Albert Anderson as President of Coe College (Cedar Rapids, Iowa) on November 12, 1942, Professor E. W. Chittenden.

The Secretary reported that Professor Harry Bateman had accepted the invitation to deliver the Gibbs Lecture at the Annual Meeting of 1943; the title of the Lecture will be *The control of elastic*

fluids. Professor Einar Hille has accepted the invitation to deliver the Colloquium Lectures at the Summer Meeting of 1944 on the following subject: *The analytical theory of semi-groups*.

It was announced that Professor Nathan Jacobson would give an invited address at the February, 1943, meeting in New York City, entitled *Some topics in the theory of semi-linear transformations*.

The Secretary reported that Professor F. D. Murnaghan had been named chairman of the temporary editorial committee for Mathematical Surveys and that Professor T. H. Hildebrandt had been appointed a member of the committee, to replace Professor E. J. McShane.

Professor E. J. Moulton and Dean W. G. Simon were appointed representatives on the Council of the American Association for the Advancement of Science for 1943.

Professors T. H. Hildebrandt, Hassler Whitney, and G. T. Whyburn were appointed representatives on the Editorial Board of the Annals of Mathematics for a period of three years beginning with 1943.

The Council appointed Professor A. D. Michal of California Institute of Technology as Associate Secretary in the far west, to fill the unexpired term of Dean T. M. Putnam.

At the Summer Meeting of 1942 a committee consisting of Professors O. E. Neugebauer and G. B. Price was appointed to investigate the possibilities of scientific communication with other countries. A report of this committee on the Russian situation was published in Volume 48, Number 11, of this Bulletin. The committee is continuing its investigations, with particular emphasis on communication with the Indian and Australian mathematicians.

Titles and cross references to the abstracts of papers read follow below. Papers whose abstract numbers are followed by the letter *t* were read by title. The papers numbered 1–2 were read in the section for analysis and geometry, those numbered 3–8 in the section for algebra, statistics and applied mathematics; those numbered 9–27 were read by title. Paper 2 was read by Professor Kasner, and paper 7 by Dr. Bers. Dr. Kogbetliantz was introduced by Professor J. A. Shohat, and Dr. Wong by Professor T. R. Hollcroft.

1. J. E. Wilkins: *The first canonical pencil*. (Abstract 49-1-82.)
2. Edward Kasner and John DeCicco: *A generalized theory of dynamical trajectories*. (Abstract 48-11-329.)
3. Ernst Snapper: *The resultant of a linear set*. (Abstract 48-11-309.)

4. R. P. Isaacs: *Application of polygenic functions to two-dimensional elasticity.* (Abstract 48-11-328.)
5. Garrett Birkhoff: *A reversibility paradox in hydrodynamics.* (Abstract 48-11-325.)
6. H. B. Mann: *The construction of orthogonal Latin squares.* (Abstract 48-11-336.)
7. Lipman Bers and Abe Gelbart: *On solutions of the differential equations of gas dynamics.* I. (Abstract 48-11-324.)
8. Max Herzberger: *Direct methods in geometrical optics.* (Abstract 49-1-64.)
9. R. H. Cameron and W. T. Martin: *Infinite linear difference equations with arbitrary real spans and first degree coefficients.* (Abstract 48-9-257-t.)
10. Nathaniel Coburn: *The linear yield condition in the plane plasticity problem.* (Abstract 48-11-326-t.)
11. John DeCicco: *New proofs of the theorems of Beltrami and Kasner on linear families* (Abstract 48-9-274-t.)
12. C. J. Everett: *Sequence completion of lattice moduls.* (Abstract 48-11-302-t.)
13. Abraham Hillman and H. E. Salzer: *Complex roots of $\sin z = z$.* (Abstract 48-11-314-t.)
14. Irving Kaplansky: *Systems of congruences in a valuation ring.* (Abstract 48-11-303-t.)
15. Irving Kaplansky: *The direct product of rings.* (Abstract 48-11-304-t.)
16. Edward Kasner: *Differential equations of the type: $y''' = Gy'' + Hy''^2$.* (Abstract 48-9-277-t.)
17. Edward Kasner: *Differential equations of the type: $y^{iv} = Ay'''^2 + By'''' + C$.* (Abstract 48-9-278-t.)
18. Edward Kasner: *The close packing of spheres.* (Abstract 49-1-72-t.)
19. Ervand Kogbetliantz: *Inequality for definite integrals.* Preliminary report. (Abstract 48-11-315-t.)
20. A. N. Lowan and H. E. Salzer: *Coefficients in formulae for numerical integration.* (Abstract 48-7-238-t.)
21. Szolem Mandelbrojt: *Quasi-analyticity and properties of flatness of entire functions.* (Abstract 48-11-318-t.)
22. J. F. Ritt: *Bézout's theorem and algebraic differential equations.* (Abstract 48-11-308-t.)
23. R. M. Robinson: *Bounded analytic functions.* (Abstract 48-11-320-t.)

24. J. A. Shohat: *An inequality for definite integrals*. Preliminary report. (Abstract 48-11-323-t.)

25. A. D. Wallace: *A characterization of unicoherence*. (Abstract 48-11-345-t.)

26. Y. C. Wong: *Some Einstein spaces with conformally separable fundamental tensors*. (Abstract 49-1-83-t.)

27. Jakob Levitski: *On the radical of a general ring*. (Abstract 49-1-7-t.)

T. R. HOLLCROFT,
Associate Secretary