

REPORT OF THE MEETING OF THE COUNCIL OF THE SOCIETY IN NEW YORK CITY ON FEBRUARY 24, 1945

Since permission to hold the regular February meeting of the Society was denied by the War Committee on Conventions of the Office of Defense Transportation, it was necessary to cancel the scientific program. However, the scheduled meeting of the Council was held in the Men's Faculty Club at Columbia University at 1:00 P.M. on Saturday, February 24, 1945. The following members of the Council were present: Garrett Birkhoff, S. S. Cairns, H. B. Curry, Arnold Dresden, Nelson Dunford, B. P. Gill, M. R. Hestenes, Einar Hille, T. R. Hollcroft, Harold Hotelling, Marston Morse, O. E. Neugebauer, J. F. Ritt, P. A. Smith, I. S. Sokolnikoff, Oswald Veblen, Hermann Weyl, and the Secretary.

At the request of the authors, four of the papers submitted for presentation at the February New York meeting have been reserved for presentation at future meetings of the Society. All other papers submitted were read by title at the meeting of the Council; titles and cross references to the abstracts of these papers appear at the end of this report.

The Secretary announced the election of the following thirty-two persons to membership in the Society:

Professor Isaac L. Battin, Drew University;
Mr. Raymond Buckingham Block, Wright Field, Dayton, Ohio;
Mr. George F. Bradfield, Northwestern University;
Dr. Lee Byrne, Elgin Academy, Elgin, Ill.;
Mr. George Clyde Campbell, Major, U.S.A.;
Mr. William Walter Durdin, Lieutenant Colonel, A.U.S.;
Mr. Bernard Epstein, Washington, D. C.;
Mr. Edward J. Evensen, Technician Fourth Grade, U.S.A.;
Mr. Ivan Arthur Flodin, A. S. & R. Co., Whiting, Ind.;
Mr. George Grossman, Manhattan High School of Aviation Trades, New York, N. Y.;
Mr. Juan P. Guglielmelli, San Martin, Buenos Aires, Argentina;
Mr. Robert Jastrow, Columbia University;
Dr. Robert Clark Jones, Polaroid Corporation, Cambridge, Mass.;
Dr. Jerome C. R. Li, Queens College, Flushing, N. Y.;
Mrs. Edith H. Luchins, Brooklyn College;
Mr. James Wallace Marshall, Wayne University;
Dr. Ella Marth, St. Louis, Mo.;
Dr. Margaret Evelyn Mauch, Michigan State College;
Mr. Edward Anthony Maziarz, St. Joseph's College, Collegeville, Ind.;
Mrs. Helen Kelsall Nickerson, Wheaton College, Norton, Mass.;
Mr. Robert Harrison Shaw, Ensign, U.S.N.R.;
Miss Jean Jadviga Siebielec, Lieutenant (junior grade), U.S.N.R.;

Dr. Charles V. L. Smith, Lieutenant Commander, U.S.N.R., United States Naval Academy;
Mr. Abraham Barnett Soble, University of Cincinnati;
Sister Mary Philip Steele, Rosary College, Rivert Forest, Ill.;
Mr. Harry I. Treiber, Princeton University;
Mr. Eugene Francis Trombley, Bendix Research Laboratories, Detroit, Mich.;
Mr. Bradford Tye, Bethany College, Bethany, W. Va.;
Mr. Jose Antonio Valladares, International Telephone and Telegraph Corporation, New York, N. Y.;
Miss Jean Brosius Walton, Swarthmore College;
Dr. Sidney Weinbaum, Curtiss-Wright Corporation, Buffalo, N. Y.;
Mr. Harry Weingarten, Seward Park High School, New York, N. Y.

It was reported that the following had been elected to membership on nomination of institutional members as indicated:

Brown University: Messrs. Abraham Franck and Leonard Greenstone;
Bryn Mawr College: Misses Jean Ann Schaffer and Enriqueta González-Baz;
California Institute of Technology: Mr. Donald Harry Potts;
University of California: Messrs. Way Ming Chen and Frank Jones Massey, Jr.;
University of California at Los Angeles: Mr. William Sharp Gustin, Mrs. Margaret B. Lehman;
University of Chicago: Miss Betty Ella Alexander;
University of Cincinnati: Mr. William R. Harlow;
College of the City of New York: Messrs. Gerald Freilich and Samuel Goldberg;
Columbia University: Mr. John Lee Bogdanoff, Mrs. Denyse Mosseri Dreyfus, Messrs. Hermann Karl Meyer and John Raleigh;
Cornell University: Miss Mary Ann Lee, Mr. Abraham Morton Mark, Miss Irma Ruth Moses, Mr. Irving Reiner;
Duke University: Mr. Eckford Larry Cohen;
University of Illinois: Miss Grace E. Bates, Mr. James Lane Boswell, Misses Marianne R. Freundlich, Annette Sinclair and Christine Sykes Williams;
Indiana University: Mrs. Loraze Brackett Taylor;
Johns Hopkins University: Mrs. June Horn Clearman, Messrs. Calvin Richard Putnam and Irving Sussman;
Massachusetts Institute of Technology: Messrs. Frank Edgar Bothwell and Stephen Harry Crandall;
Michigan State College: Miss (Mary) Isobel Blyth;
University of Michigan: Reverend Richard Sigmund Cebula, Sister Mary Celine Fasenmyer;
University of Minnesota: Messrs. Monroe David Donsker and Walter Fleming;
New York University: Mr. Peter D. Lax;
Northwestern University: Miss Alice Jean Froseth;
Ohio State University: Miss Miriam C. Ayer;
University of Rochester: Mr. George Milton Wing;
Smith College: Miss Felice Hilda Davidson;
Syracuse University: Mr. Shepard Bartnoff;
University of Toronto: Messrs. James Allister Jenkins and Robert Steinberg;
University of Virginia: Messrs. Edwin E. Floyd and W. Roy Utz;
University of Washington: Mr. Tom Mike Apostol;

University of Wisconsin: Miss Violet Grace Hachmeister, Mr. Richard Ralph Heacock, Miss Gloria Olive, Messrs. Whitney Gillete Scobert and Theodore Wysocki;

Yale University: Messrs. Joseph Ross Lee, Jr., and Frank Herbert McGar, Jr.

The following appointments by the President were reported: as a member of the Committee to Select Hour Speakers for Far Western Sectional Meetings, Professor Morgan Ward (committee now consists of Professors A. C. Schaeffer, Chairman, D. H. Lehmer, and Morgan Ward); as representative of the Society on the Supervisory Board of the American Year Book for the period 1945–1947, Professor G. T. Whyburn; as a Committee on Nomination of Officers and Members of the Council for 1946, Professors R. E. Langer (Chairman), R. P. Agnew, G. C. Evans, G. T. Whyburn, and D. V. Widder; as Chairman of the Committee on Printing Contracts, Professor R. M. Foster (committee now consists of Professor R. M. Foster, Chairman, Dean M. H. Ingraham, and Professor J. D. Tamarkin); as a Committee on Arrangements for the 1945 Summer Meeting in Montreal, Canada, Professors R. E. O'Connor (Chairman), A. H. Gillson, T. R. Hollcroft, B. W. Jones, and W. L. G. Williams; as a committee to consider a suitable memorial to the late Professor G. D. Birkhoff, Professors R. E. Langer (Chairman), G. A. Bliss, Marston Morse, J. D. Tamarkin, and D. V. Widder; as auditors of the Society's accounts for 1945, Professors T. F. Cope and A. E. Meder, Jr.; as a member of the War Policy Committee (replacing Professor W. D. Cairns), Professor C. C. MacDuffee; as a member of the Committee on the Role of the Society in Mathematical Publication (replacing Professor Oscar Zariski), Professor F. D. Murnaghan (committee now consists of Professors R. L. Wilder, Chairman, Garrett Birkhoff, G. C. Evans, J. R. Kline, *ex officio*, R. E. Langer, F. D. Murnaghan, and J. D. Tamarkin); as Committee on the Society Visiting Lectureship, Professor Solomon Lefschetz (Chairman), Dean R. G. D. Richardson, and Professor Norbert Wiener.

The Secretary reported that the following had been chosen as the voting representatives of editorial committees on the Council for the year 1945: Bulletin—Professor P. A. Smith; Transactions—Professor A. A. Albert; Colloquium Publications—Professor J. F. Ritt; American Journal of Mathematics—Professor Hermann Weyl; Mathematical Reviews—Professor O. E. Neugebauer; Mathematical Surveys—Professor J. D. Tamarkin.

It was announced that Professor J. C. Slater had accepted the invitation to deliver the Josiah Willard Gibbs Lecture at the 1945 Annual Meeting and that Professor Hassler Whitney had accepted the

invitation to deliver the Colloquium Lectures at the 1946 Summer Meeting.

Certain invitations to deliver addresses were announced: Professor Samuel Eilenberg for the 1945 Summer Meeting; Professors Jerzy Neyman and George Polya for the April, 1945, meeting at Stanford University.

It was reported that Professor J. D. Tamarkin had been selected as Chairman of the Mathematical Surveys Editorial Committee.

It was reported that Dr. R. P. Boas had accepted the position as Executive Editor of Mathematical Reviews, effective July 1, 1945. Dr. Boas will replace Professor Will Feller who has been the Executive Editor of Mathematical Reviews since the foundation of that journal in 1940.

On recommendation of the Colloquium Editorial Committee, the Council accepted for publication in the Colloquium Series the manuscript of Professor André Weil entitled *Foundations of algebraic geometry*.

The Council voted to cancel the scientific meetings of the Society which have been scheduled for April 27–28, 1945, in Chicago and April 27–28, 1945, in New York. The meeting scheduled for April 28, 1945, in Stanford University will be held since this meeting is not subject to the recent regulations of the Office of Defense Transportation. The problem of the Summer Meeting, now scheduled for Montreal, Canada, on June 24–25, 1945, and the other meetings which have been planned for 1945 are to be discussed at a future meeting of the Council.

Titles and cross references to the papers read at the Council meeting follow below.

1. E. W. Barankin: *Bounds for the characteristic roots of a matrix*. (Abstract 51-3-51-t.)
2. Felix Bernstein: *The integral equations of the theta function*. (Abstract 51-3-61-t.)
3. Garrett Birkhoff: *Lattice-ordered Lie groups*. (Abstract 51-3-52-t.)
4. H. W. Eves: *Analytical and graphical rectification of a tilted photograph*. (Abstract 51-1-26-t.)
5. A. L. Foster: *Boolean-like rings, a generalization of Boolean rings. The logical algebra of general commutative rings*. (Abstract 51-3-53-t.)
6. H. L. Garabedian: *Stieltjes integral transformations*. Preliminary report. (Abstract 51-3-62-t.)
7. G. N. Garrison: *Note on invariant complexes of a quasigroup*. (Abstract 51-3-54-t.)

8. E. J. Gumbel: *Expected values of a statistical variate.* (Abstract 51-3-70-t.)
9. A. P. Hillman: *On derivatives of differential polynomials.* (Abstract 51-1-7-t.)
10. Dunham Jackson: *The boundedness of certain sets of orthonormal polynomials in one, two, and three variables.* (Abstract 51-3-63-t.)
11. Mark Kac: *Random walk in the presence of absorbing barriers.* (Abstract 51-1-44-t.)
12. Irving Kaplansky: *The commutativity of generalized Boolean rings.* (Abstract 51-1-9-t.)
13. Edward Kasner and John DeCicco: *Some properties of minimal surfaces.* (Abstract 51-3-69-t.)
14. R. L. Moore: *Concerning tangents to continua in the plane.* (Abstract 51-5-102-t.)
15. F. J. Murray: *Gears, cams and differentials.* (Abstract 51-1-29-t.)
16. F. J. Murray: *On solving a set of n linear equations.* (Abstract 51-1-30-t.)
17. Harry Pollard: *A theory of the Laplace integral.* Preliminary report. (Abstract 51-3-65-t.)
18. H. E. Salzer: *Inverse interpolation for eight-, nine-, ten-, and eleven-point direct interpolation.* (Abstract 51-1-34-t.)
19. F. E. Satterthwaite: *Error control in matrix calculation. II.* (Abstract 61-5-82-t.)
20. M. F. Smiley: *A remark on metric boolean rings.* (Abstract 51-3-57-t.)
21. Ernest Snapper: *Partial differentiation and elementary divisors.* (Abstract 51-3-58-t.)
22. R. H. Sorgenfrey: *A condition that a continuum be irreducible between two points.* (Abstract 51-3-71-t.)
23. W. J. Sternberg: *On a special set of algebraic nonlinear equations.* (Abstract 51-3-59-t.)
24. C. A. Truesdell: *The membrane theory of shells of revolution.* (Abstract 51-3-67-t.)
25. P. A. White: *On new types of regular convergence.* (Abstract 51-3-72-t.)
26. G. T. Whyburn: *Extensions of plane continua mappings.* (Abstract 51-5-103-t.)
27. G. T. Whyburn: *On uniqueness of the inverse of a transformation.* (Abstract 51-5-104-t.)

J. R. KLINE,
Secretary