THE APRIL MEETING IN NEW YORK

The six hundred forty-fourth meeting of the American Mathematical Society was held at the Americana Hotel in New York on April 5–8, 1967. All sessions were held in public rooms of the hotel. About 420 persons attended, including about 250 members of the Society.

By invitation of the Committee to Select Hour Speakers for Eastern Sectional Meetings, there were two addresses. Professor Harold Widom of Cornell University spoke on Friday afternoon on *Eigenvalue asymptotics.* He was introduced by Professor Arthur Sard. Professor W. T. Tutte of the University of Waterloo spoke on Saturday afternoon on *The enumeration of planar graphs.* He was introduced by Professor Hassler Whitney.

There were ten sessions for seventy-one contributed papers on Friday afternoon and Saturday morning and afternoon, chaired by Professors Herman J. Cohen, Jane S. Cronin, William C. Fox, Gerald Freilich, Alex Heller, William G. Lister, Stanislaw G. Mrowka, Paul R. Meyer, Murray H. Protter, Elvira S. Rapaport, Diran Sarafyan, John L. Selfridge, Dr. Morris Skibinsky, and Professor John Wermer.

Under the sponsorship of the Joint Committee on Applied Mathematics of the American Mathematical Society and the Society for Industrial and Applied Mathematics, and with financial support from the Air Force Office of Scientific Research and the U.S. Army Research Office (Durham), a symposium on *Transport theory* was held in four sessions on Wednesday afternoon, Thursday, and Friday morning. The proceedings of this symposium will be published in the Proceedings of Symposia in Applied Mathematics.

The Council met on Friday, April 7, at 5:00 P.M. in the Biarritz Room of the Americana.

The Secretary announced the election of the following twenty-five persons to ordinary membership in the Society:

Alberts, William H., Jr., U. S. Naval Ordnance Laboratory, Corona, California;
Bullock, Robert M., III, Miami University;
Chen, Laurence K., National Cash Register Incorporated, Dayton, Ohio;
Fielland, James R., University of Texas;
Fisher, Janet E., U. S. Naval Research Laboratory, Washington, D. C.;
Foust, Jeff L., Indiana Technology College;
Gould, Lillian V., Shaw University;
Graef, John R., Southern Illinois University;
Jaen, Jong K., Hanyang University, Seoul, Korea;
Jordan, John Q., State College at Boston;

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Klamm, Clarence F., Jr., U. S. Naval Postgraduate School;
Mastrapasqua, Frank M., St. Francis College;
Matzinger, Heinrich, University of Washington;
Menegus, Peter U., U. S. Air Force, Cannon Air Force Base, New Mexico;
Metzger, Thomas A., Creighton University;
Montague, James O., Carnegie Institute of Technology;
Outlaw, Curtis L., Louisiana State University in New Orleans;
Pollino, George E., University of Massachusetts;
Sarill, William J., Boston University;
Seo, Tae Kun, University of Kentucky;
Stewart, Ronald J., Texas Institute for Rehabilitation and Research, Houston, Texas;
Sze, Irene C., Southern University;
Troll, Karl-Heinz L., Institute for Deutsche Sprache, Mannheim, Germany;
Williamson, Susan, Regis College;
Windham, Michael P., Rice University.

It was announced that the following have been elected to the Society in accordance with the reciprocity agreement with various mathematical organizations:

Australian Mathematical Society: Roman F. Matlak.
Societe Mathematique de Belgium: Andre L. Debacker.
Calcutta Mathematical Society: Sobhakar Ganguly.
Deutsche Mathematiker Vereinigung: Detlef Gromoll.
Israel Mathematical Union: Dany Leviatan.
The London Mathematical Society: Colin Maclachlan, John H. V. Hunt.
Unione Matematica Italian: Carmelo Mammana.
Wiskundig Genootschap te Amsterdam: Johannes M. Aarts.

The following one hundred and sixty persons have been elected to membership in the Society on nomination of institutional membership as indicated:

Arlington State University: Ronald E. Dover, Shirley S. Tucker, Jerry D. Cox.
Auburn University: Charles W. Sommer, Richard W. Trimble.
Austin College: Everette D. Williams.
Boston College: Timothy L. Lance, Ronald P. Morash.
Brock University: Shao-Chien Chang, Charles F. Laywine.
Brooklyn College: James Baumbach.
California State College at Long Beach: Chris R. Siragusa, Steven E. Wall, Gary R. Wilson.
University of California, Berkeley: Robert A. Elschlager, Peter M. Goorjian, William I. McLaughlin.
University of California, Davis: George W. Drake, Robert A. Fildes, Gerald M. Gilbertson, Donald L. Mather, John Shafer, Eugene K. Tashima, Albert C. Wehrly.
University of California, Los Angeles: William J. Barnier, Michael F. Behrens, Edward A. Bertram, Robin B. S. Brooks, Arthur G. Duncan, Jr., Ian M. Ferris, Jerry Kaminker, Michael J. Kascic, Jr., Richard Katz, Michael M. Krieger, Charles R. Miers, H. Barry Ritea, Thomas A. Slobko, LeRoy H. Walker, Joel L. Zeitlin.
Calvin College: Paul J. Huizingo, John C. Strikwerda.
Canisius College: Stephen J. Milles.

Case Institute of Technology: George L. E. Csordas, H. Smith Haller, Jr., Richard E. Hammer, Roger C. McCann, Paul G. Miller, James T. Morse.

Catholic University of America: Anthony T. Basil, Inge F. Christensen, Gerald Fitzgerald, Catherine M. Murphy.

University of Chicago: Ronald E. Bruck, Jr., Edward G. Evans, Jr., Howard E. Gorman, William D. Lakin, Jack A. Lees, Harold D. Meyer, Reinhard E. Schultz, De Witt L. Sumners, Richard C. Wagner, Glenn P. Weller.

University of Cincinnati: Joseph N. Lockhart.

Clemson University: Joel V. Brawley, Jr.

College of the Holy Cross: Carl R. Spitznagel, John D. McInerney.

Colorado State University: Myron S. Henry, Ronald G. Huffstutler, Vern A. Nelson.

University of Connecticut: Christopher J. Duckenfield, Jerry M. Metzger, Richard S. Montgomery.

Cornell University: Barry Belkin, Paul C. Eklof, Sandria N. Kerr, Nishan K. Krikorian, Manuel Lerman, Howard A. Levine, Lidia R. Luquet, Karen J. Ridgway, Edward Ross, Michael A. Selby.

Dartmouth College: Jonathan L. Gross.

Duke University: Wallace E. Garthright, Jr.

Emory University: Vaughn W. Morrison, Mary Jean Russell, John W. Spellmann.

Florida Presbyterian College: Anne H. Brownlee, Robert W. Ferguson, II, Alexander F. Hunter.

Florida State University: James W. Brewer, Richard L. Davis, Martin N. Heinzer, Harry F. Joiner, II, Joseph S. Morrell, Harvey Rosen, Yaichi Shinohara.

Franklin and Marshall College: Herbert T. Stump.

Georgetown University: Michael R. Mullen.

Harvard University: Myla M. Archer, Morris W. Brooks, Lawrence G. Brown, Richard M. Chamlin, Charles J. Freifeld, Donald L. Cohn, Robert C. Ghent, James S. Milne, Robert J. Oberg, Michael J. Razar, Tadao Oda, Richard H. Rochberg, Joel H. Spencer.

Harvey Mudd College: George B. Robinson.

Illinois Institute of Technology: Clyde L. Greeno, James W. Petticrew.

Institute for Advanced Study: Gerd R. Hofmeister, Madabusi S. Raghunathan, David C. Tischler.

University of Iowa: John W. Heidel, Sister Cathleen C. Real, William L. Voxman.

Jackson State College: Malcolm Q. Barnes.

Kansas State University: James J. Corbet, Laverne C. Herzmann, Richard H. Schelp.

Kent State University: E. Jeffrey Berg, Samuel E. Freeman, Russ A. Smucker.

University of Kansas: Charles C. Alexander, Duane E. Anderson, Ralph S. Butcher, Karin V. T. Chess, John D. Gillam, John J. Hutchinson, Richard G. Prince, Arlo W. Schurle, Said N. Sidki, William A. Subick, Howard L. Taylor, John A. Wenzel, Michael J. Wright.

LeMoyne College: Walter M. Dubiel, Dennis M. Luciano.

New Mexico State University: Curtis L. Greer.

New York University: Bernard W. Edelstein.

Niagara University: Grace M. Buettner, Sean B. O'Reilly.

North Carolina State University, Raleigh: George A. C. Graham.

Oakland University: Elisabeth L. Herschel, Dennis G. Morton, Thomas C. Woelfel.

Rosary Hill College: Robert J. Decarli.

San Fernando Valley State College: David A. Fredricks, Bryan A. Haworth, David W. Low.

Tolentine College: William A. Hamill.
Tulane University: Frank H. Eckstein.
University of Virginia: Albert B. Schwarzkopf.
University of Wisconsin, Milwaukee: Stephen V. Dragosh, Gerald S. Glazer.

The Secretary announced the election of the following organizations to institutional membership:

Canadian Mathematical Congress, Montreal, P. Q., Canada
Hope College, Holland, Michigan
Hunter College of the City University of New York, New York
Pacific Lutheran University, Tacoma, Washington
Wake Forest College, Winston-Salem, North Carolina

The following individuals represented the Society in various ways as noted:

Stephen E. Puckette as delegate at the inauguration of Karl Kenneth Wilson as President of Asbury College.

Derek J. H. Fuller as delegate at the inauguration of Edward Quentin Moulton as President of the University of South Dakota.

Israel E. Glover as representative at the Centennial Convocation of Morehouse College.

S. K. Berberian as representative at the International Conference on "Higher Education in Tomorrow's World" in connection with the 150th Anniversary of the University of Michigan in May, 1967.

The following persons have accepted invitations to give hour addresses at Society meetings: W. H. Tutte at the April 1967 meeting in New York; David Gale at the August 1967 meeting in Toronto. The latter invitation was issued jointly with the Econometric Society.

The following committees have been established and the following appointments made:

Committee on Arrangements for the San Francisco Meeting: D. W. Blakeslee (chairman), H. L. Alder, ex officio, H. M. Bacon, W. G. Bade, N. H. Fisher, Dorothy (Mrs. Bernard) Friedman, R. S. Lehman, R. S. Pierce, ex officio, P. E. Thomas, G. L. Walker, ex officio. This is a joint committee with the Mathematical Association of America.

Committee on Mathematics in the Life Sciences: Murray Gerstenhaber (chairman), Hans Bremermann, Alston Householder.

Committee to Monitor Problems in Communication: Felix Browder, W. H. LeVeque (chairman), Ivan Niven, Alex Rosenberg, Daniel Zelinsky.

Committee to Facilitate Cooperation: R. C. Buck (chairman), E. A. Cameron, W. T. Martin, H. O. Pollak, R. A. Rosenbaum.

John Wermer, Leo Zippin. This is a joint committee with the Mathematical Association of America.

Added to the Committee on Funds for Society Headquarters: A. A. Albert.

The Council voted to increase the Proceedings Editorial Committee by one member, effective in January of 1968. The Council elected Irving Glicksberg to the Proceedings Editorial Committee during the temporary leave of R. C. Buck from his duties on that Committee.

The Committee on the Lengths of Terms of Editors recommended that the terms of Transactions and Proceedings editors be changed from three to four years. The Council approved the report and recommended that the corresponding change in By-laws be presented to the Business Meeting of August 1967.

The Committee on Applied Mathematics, a joint committee of the American Mathematical Society and the Society for Industrial and Applied Mathematics, recommended that the two organizations jointly establish two prizes in "Applied Mathematics in the highest and broadest sense," one in honor of George David Birkhoff and the other in honor of Norbert Wiener.

The Council agreed that the number of contributed papers accepted for the San Francisco Meeting in January of 1968 should not exceed 350.

The Committee to Monitor Problems in Communication recommended a Conference on Communication Problems in the Mathematical Sciences for the fall of 1967, subject to the obtaining of adequate financial support. The Council approved.

The Council recommended the publication of the twenty minute papers in number theory from the Houston meeting as volume 12 in the series Proceedings of Symposia in Pure Mathematics. At the same time the Council proposed to study the problem of the separate publication of sets of papers from the special sessions of twenty minute papers.

The Council concurred with the Finance Committee of the Mathematical Association of America in a proposal to accelerate the publication of the Combined Membership List, with information for the new edition requested in May and the publication no later than October 1.

The Joint Committee on Employment Opportunities, a committee of the Mathematical Association of America, the Society for Industrial and Applied Mathematics, and the Society, raised the question of the listing in the Employment Register of positions at institutions

censured by the American Association of University Professors. The
Council concurred with the Association in a resolution that "the
Joint Committee be directed to include, in any listing of a censured
administration, a footnote to the effect that the administration is
censured, a citation of the relevant item in the A.A.U.P. Bulletin,
and the resolution of censure. Before accepting such a listing, the
Joint Committee should inform the institution offering the listing of
the footnote to be attached."

The Council considered taking a position on draft deferment of
graduate students. The Council directed the President to formulate
the consensus in a letter to Congressman L. Mendel Rivers, Chairman
of the House Armed Services Committee, and authorized him to
appear before that committee as a representative of the Society
should the Committee so request. The statement of the consensus, as
prepared by President Morrey, follows.

The Honorable L. Mendel Rivers,
House of Representatives,
Washington, D. C.

Sir:

As our secretary wrote you, the Council of the American Mathematical Society
directed me to prepare a statement of its views concerning Selective Service as it may
affect the future of the mathematical community and its ability to serve the country.
I approached this task with the idea that you would be genuinely interested in our
opinions on this subject.

As you probably know, the demand for mathematicians at all levels has far ex-
ceeded the supply during the past six or seven years (and still does). Therefore we
believe that it is in the national interest to draft at most a small percentage of poten-
tial mathematicians. However, we feel that mathematicians as a group do not have a
right to urge that young mathematicians be exempted from military service alto-
gether.

It is a fact that the interruption in the training of a mathematician is least if he
performs his military service between the time when he graduates from high school
and the time when he enters college. Students are usually about 18 years old at that
time.

One of the worst times to induct a superior student from the point of view both of
the student and of the mathematical community would be immediately after he
receives the Ph.D. degree. At that time, he has spent four or more years as a graduate
student and is ready to start teaching and doing research on his own. At this point,
the superior student who is capable of research needs the time to cultivate both his
research power and the confidence that he can do independent research. To put such
a man in the armed forces at such a time would stifle him mathematically (except for
the occasional genius who would steal every minute during his time of service to work
on mathematics. There are a few such.)

You may ask why military service would probably destroy the research ability of
most Ph.D.'s. Except for a very few positions for mathematicians in research labora-

tories run by the armed forces, the military service which a mathematician would perform would be completely irrelevant and unconnected with his training. Meanwhile new mathematical results would have been discovered which would cause him to fall further behind. His situation would be very different from that of a medical doctor who might in many cases really start practicing his profession while in the army.

The less gifted man ordinarily does not do much research after receiving the Ph.D. degree. The usefulness of such a man would perhaps be unimpaired if he were inducted at that time. However, if he were inducted before that time, while still a graduate student, he might never get his Ph.D. degree at all. Although a man with a Ph.D. degree who does not continue his research is considered less valuable as a well-rounded mathematician than is the research man, the former has a very important role to play in the smaller universities, colleges, and state colleges where the emphasis is on teaching.

In general it is our opinion that the longer a strong mathematics student delays performing his military service the more difficult it is for him to catch up after he returns (if he does return). To be sure, in some cases, such returning students have been highly motivated and have been able to catch up and go on to get some degree (A.B., M.A., or Ph.D.). However, there is the danger that a large number of potential mathematicians may be diverted from mathematics, and that danger *increases* the longer such students are deferred. A surprising corollary of the principle above is that it would be better to draft a highly talented mathematician in the middle of his college career than to draft him as a graduate student.

To sum up: In view of the fact that mathematicians have been in very short supply for several years, we feel that they should be drafted sparingly but we are not prepared to recommend that they be exempted from military service altogether. In case it becomes essential to draft mathematicians, we believe that it is in the national interest as well as in the interest of the students and of the mathematical community to draft them as early in their careers as possible and preferably never while they are graduate students or after they have received the Ph.D. degree.

Respectfully yours,
/S/ Charles B. Morrey, Jr.
Charles B. Morrey, Jr., President
American Mathematical Society

The meeting adjourned at 10:25 P.M.

EVERETT PITCHER
Secretary
HERBERT FEDERER
Associate Secretary

BETHLEHEM, PENNSYLVANIA
PROVIDENCE, RHODE ISLAND