

THE SUMMER MEETING IN STILLWATER

The sixty-sixth Summer Meeting and fortieth Colloquium of the American Mathematical Society was held at Oklahoma State University, Stillwater, Oklahoma, from Tuesday, August 29, through Friday, September 1, 1961. During the same week there were meetings at Stillwater of the Mathematical Association of America, the Society for Industrial and Applied Mathematics, Pi Mu Epsilon and the Econometric Society. Total attendance at the meetings was approximately 575 including 326 members of the Society.

Professor G. W. Mackey of Harvard University delivered the Colloquium Lectures entitled *Infinite dimensional group representations*. These were given at 2:00 P.M. Tuesday, August 29, and at 9:00 A.M. the following three days. Professor Deane Montgomery presided at the opening lecture, and at the three subsequent lectures, Professor Mackey was introduced by Professors C. Rickart, A. Gleason and S. MacLane.

By invitation of the Committee to Select Hour Speakers for Annual and Summer Meetings, there were two hour addresses. Professor Leon Ehrenpreis of Yeshiva University spoke at 11:00 A.M. Wednesday on *Some applications of the theory of distributions to lacunary series* and at 10:15, Thursday, Professor Stephen Smale of Columbia University spoke on *A survey of some recent developments in differential topology*. Professor Ehrenpreis was introduced by Professor A. Gleason, and Professor Smale by Professor MacLane.

Professor Jack C. Kiefer of Cornell University spoke at a joint session with the Econometric Society at 3:30 P.M. on *Current directions in statistical theory*; Professor Usawa presided.

There were eight sessions for contributed papers at various times during the four days of the meeting. Presiding at these were Professors R. H. Bing, L. T. Ratner, Ernst Snapper, E. K. McLachlan, J. H. Barrett, C. E. Burgess, O. H. Hamilton, and R. B. Deal.

Abstracts of the papers presented in person appear in the Notices of the American Mathematical Society for August, 1961.

The Committee on Arrangements, consisting of L. Wayne Johnson, Chairman, H. L. Alder, R. A. Hultquist, C. E. Marshall, R. D. McDole, H. S. Mendenhall, G. L. Walker, and J. W. T. Youngs had arranged, with the cooperation of the Mathematics Department, a tea on Tuesday afternoon, and a Western-style barbecue on Wednesday evening.

The Council met on Tuesday, August 29, 1961.

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

- Mr. Henry M. Alken, RCA Service Co., New York, N. Y.;
Dr. Saul Amarel, RCA, Princeton, N. J.;
Mr. Joseph A. Amoroso, National Aviation Facilities Experimental Station, New Jersey;
Mr. David R. Arterburn, Southern Methodist University;
Professor Ranko Bojanic, University of Notre Dame;
Mr. Robert S. Borden, University of Pittsburgh;
Mr. Richard E. Brennan, Ronald Press Co., New York, N. Y.;
Mr. Richard E. Bucher, Koppers Co., Inc., Pittsburgh, Pa.;
Mr. Alfred C. Carver, Physical Science Lab., University Park, New Mexico;
Miss Concordia C. C. Chen, Minneapolis-Honeywell Regulator Co., Newton Highlands, Mass.;
Mr. Donald Cohen, National Bureau of Standards, Washington 25, D. C.;
Mr. Harley Cohen, Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.;
Dr. Paul Concus, University of California, Berkeley, Calif.;
Professor Miriam E. Connellan, Marquette University;
Mr. Harry B. Coonce, Iowa State University;
Mr. Willis A. Cummings, McGraw-Hill Book Co., New York, N. Y.;
Mr. Joseph L. DeKerf, Gevaert Photo Producten N. V., Belgium;
Mr. James Dokas, Jr., Westinghouse Electric Co., Baltimore, Md.;
Mr. John W. Duskin, Jr., Tulane University;
Mr. Herbert B. Enderton, Harvard University;
Miss Verna E. Engstrom Heg, Oregon State University;
Mr. Roger C. Entringer, University of New Mexico;
Professor Robin E. Esch, Harvard University;
Mr. Richard L. Faber, Brandeis University;
Professor Eberhard M. Fels, University of Pittsburgh;
Mr. Anthony V. Fiacco, Johns Hopkins University;
Professor Henry A. Finch, Pennsylvania State University;
Mr. Patrick C. Fischer, Massachusetts Institute of Technology;
Professor Aviezri S. Fraenkel, University of Oregon;
Professor Helmut Groemer, Oregon State University;
Professor Mary F. Gourley, Austin College;
Mr. Herbert L. Gray, Argonne National Laboratory, Argonne, Illinois;
Professor Herbert Gross, Montana State College;
Mr. Hubert R. Halkin, Université de Liège, Belgium;
Professor Gordon B. Hare, Walla Walla College;
Mr. James R. Harvey, University of Dallas;
Mr. Harry A. Helm, Bell Telephone Laboratories, Whippany, New Jersey;
Professor Paul F. Hultquist, University of Colorado;
Mr. Donald Jacobs, University of Wisconsin;
Miss Eva G. Jacobson, Bell Telephone Laboratories, Whippany, New Jersey;
Miss Margaret M. Jacoby, Rhode Island College;
Mr. Gerald W. Kimble, University of California, Los Angeles;
Dr. Rudolf Kurth, University of Durham, Durham, England;
Mr. Marvin E. Kurtti, System Development Corp., Santa Monica, Calif.;
Mrs. Myrna P. Lee, University of Illinois;

Mr. Ray H. Lee, Autometric Corp., New York, N. Y. ;
Mr. William H. K. Lee, University of Alberta ;
Professor Wuhan Lee, Tong Kook University, Seoul, Korea ;
Mr. Michael Maschler, Princeton University ;
Mr. Thomas L. McCoy, Illinois Institute of Technology ;
Mr. Gregory T. McAllister, University of California, Berkeley, Calif. ;
Mr. Thomas G. McKay, University of Illinois ;
Mr. Ezio Marchi, Facultad de Ciencias, San Luis, Argentina ;
Mr. Ralph J. Marshall, University of Buffalo ;
Mr. Theodore Mitchell, University of Chicago ;
Professor Richard M. Montague, University of California, Los Angeles ;
Mrs. Marriann G. Moore, National Engineer Science Co., Pasadena, Calif. ;
Professor Alberto Moreno, Universidad Catolica Argentina, Buenos Aires ;
Mr. Charles M. Naylor, Control Data Corporation, Sunnyvale, Calif. ;
Miss Jenny Novaro, Remington Rand UNIVAC Div., Sperry Rand Corp., New York ;
Mr. Richard Nusinow, Speigels, Inc., Chicago, Illinois ;
Professor Gustaf H. Panula, Louisiana Polytechnic Institute ;
Professor Jane S. Pease, Brooklyn College ;
Mr. Harry K. Philipps, General Precision Inc., Atlantic City, N. J. ;
Mrs. Marcia Beckmann Prestrud, RAND Corp., Santa Monica, Calif. ;
Mr. Stig B. Poulsen, The Martin Co., Baltimore, Maryland ;
Professor James Radlow, Adelphi College ;
Mr. Vincent Ribas, Stromberg Carlsen, Rochester, New York ;
Mr. Michael Rossin, Hunter College ;
Mr. W. Neal Rybicki, University of California, Berkeley, Calif. ;
Dr. Nicholas J. Saber, Sylvania Electric Products, Needham, Mass. ;
Professor Charles C. Sass, Delaware State College ;
Mr. James P. Shores, Aerojet-General Corp., Sacramento, Calif. ;
Sister Mary Aloyse, Los Gatos, Calif. ;
Mr. Tan Kang Siah, Sr., Nanyang University, Singapore, Malaya ;
Mr. Jerrold N. Siegel, Cornell University ;
Mr. Robert A. Smith, Sacramento State College ;
Mr. Donald W. Solomon, Wayne State University ;
Mr. Seymour Spilerman, Brandeis University ;
Professor Harold S. Spraker, Middle Tennessee State College ;
Mr. Norman Starr, Evans Research and Development Corp., New York, N. Y. ;
Mr. Edward F. Storm, Harvard University ;
Mr. Kenneth B. Tuttle, Northrop Corp., Hawthorne, Calif. ;
Mr. Eric G. Wagner, IBM, Yorktown Heights, N. Y. ;
Miss Diana J. Wehe, Oak Ridge National Laboratory, Oak Ridge, Tenn. ;
Professor Oscar Wesler, University of Michigan ;
Mr. Andrew Wilson, General Dynamics, Rochester 9, N. Y. ;
Mr. Robert N. Wolfe, IBM, Omaha, Nebraska ;
Dr. Warren J. Wong, University of Otago, Dunedin, New Zealand ;
Mr. Arthur P. Woods, Jr., Armco Steel Corp., Middletown, Ohio ;
Mr. John M. Wright, Army Dept. ADP Dept., Ft. Huachuca, Arizona ;
Mr. Alvin Zitrin, Chicago, Illinois

It was reported that six persons were elected to membership on nomination of institutional members as indicated:

Brooklyn College: Mr. Richard L. Pollak;
Loyola College: Mr. Frank J. Kammel;
Montana State University: Mr. Merle E. Manis, Mr. Daniel G. McRae, Mr. Donald V. Sward;
Wiley College: Mr. Richard R. Williams, Jr.

The Secretary announced that the following had been admitted to the Society in accordance with reciprocity agreements with various mathematical organizations:

Société Mathématique de France: Professor Jean E. Lefebvre, Professor Borivoje N. Rachejsky.
Calcutta Mathematical Society: Mr. Pares C. Chaudhuri.
Deutsche Mathematiker Vereinigung: Professor Hans Maas, Dr. Robert Sauer, Professor Demetrios A. Kappos.
Suomen Matemaattinen Yhdistys: Dr. Veikko O. Ennola, Dr. Toivo E. Nieminen.
Indian Mathematical Society: Krishnaiyengar S. Halasur, Manjunathaiah Kashi-pathaiah, Professor Prakash D. S. Verma.
Unione Matematica Italiana: Professor Giulio Andreoli, Mr. Pietro Fanciulli, Professor Eugenio Levi, Professor Mario Villa.
Mathematical Society of Japan: Professor Isamu Nakahara, Professor Osamu Take-nouchi, Professor Hisao Tominaga, Mr. Saburo Uchiyama.
The London Mathematical Society: Mr. John C. Kelly.
Norsk Matematisk Forening: Professor Ernest S. Selmer.
Svenska Matematikersamfundet: Professor Folke K. G. Odqvist, Mr. D. Martin Sandelius.
Gesellschaft für Angewandte Mathematik und Mechanik: Mr. Werner Uhlmann.
Polskie Towarzystwo Matematyczne: Mr. Andrzej Makowski, Mr. Jan Mysielski.

It was reported that Professor Richard Courant represented the Society at the Thomas A. Edison memorial unveiling at New York University; Professor M. Auslander was designated special delegate representing the Society at the Eighth National UNESCO conference in Boston, October 22–26, 1962.

The following committee appointments of the President were reported: To the Committee to Consider Scientific Merits of "Mathematics of Computation": Professor W. Feller, Chairman, Professor J. L. Doob, Professor D. H. Lehmer, Professor A. H. Taub, and Professor S. S. Wilks; To the Invitations and Organizing Committee for 1962 Summer Institute: Professor A. H. Taub, Chairman, Professor S. S. Chern, Professor W. Ambrose, Professor C. W. Misner; To the Coordination of Symposia Committee: Professor R. H. Bruck, Chairman, Professor R. A. Arens, Professor W. Rudin; To the Chinese Cram School Committee: Professor Kai Lai Chung, Chairman, Professor Sydney Gould, and Professor George Seligman; To the Foreign Institutional Membership Committee: Professor R. D. Anderson, Professor G. B. Price, and Dr. Gordon L. Walker; To the Library of Congress Classification Committee: Professor R. G. Bartle, Chair-

man, Professor A. D. Wallace, Professor L. Gillman, and Professor P. E. Martin; To the Planning Committee: Professor Saunders MacLane, Chairman, Professor Richard Brauer, Professor J. L. Doob, Professor W. Feller, Professor E. E. Floyd, Professor J. W. Green, Professor A. E. Meder, Jr., Professor L. J. Paige; To the Mathematical Reviews Coverage Committee: Professor W. Feller, Chairman, Professor A. Borel, Professor R. Bott, Professor J. L. Doob, Professor E. Hille, Professor R. V. Kadison, Professor W. S. Massey, Professor J. V. Wehausen; To the Invitations and Organizing Committee for April 1962 Applied Mathematics Symposium: Professor John Todd, Chairman, Professor George Forsythe, Professor Herman Goldstine, Professor Peter Lax, Professor D. H. Lehmer, Professor C. B. Tompkins, Professor David Young, Jr.; To the Joint Committee on Arrangements for 1962 Annual Meeting: Professor I. A. Barnett, Chairman, Professor H. L. Alder, Professor A. J. McIntyre, Professor W. E. Restemeyer, Professor J. W. T. Youngs.

The Secretary reported that the following have accepted invitations to deliver Hour Addresses before the Society: Professor B. Kostant at the Cincinnati Meeting, January, 1962; Michel Kervaire at Massachusetts Institute of Technology, October, 1962; and Richard Palais at Yeshiva University, February, 1962.

A Business Meeting of the Society was held at 10:15 A.M. Wednesday, August 30, 1961, in the Upper Ballroom of the Union Building. President Deane Montgomery presided. The Acting Secretary reported on the activities of the Society. In particular, members were informed that two volumes of Mathematical Reviews would be published in 1962 with a retention of the same price per volume.

A report on the recommendations of the Planning Committee toward improving the Society's meetings was commented upon briefly by Professor Saunders MacLane, who asked the members to forward suggestions that they might wish to bring to his attention.

The Acting Secretary informed the Society that the Council, upon the recommendation of the Planning Committee, had voted that the "Letters to the Editor" section of the Notices should be deleted. On a motion of Professor Kazarinoff it was voted by the members present that this question should be an item for discussion at the next Business Meeting of the Society.

A resolution of thanks for the facilities and arrangements undertaken by Oklahoma State University in hosting this Annual Summer Meeting was presented by Professor R. Horton and unanimously adopted by the meeting.

LOWELL J. PAIGE,
Acting Secretary

J. W. T. YOUNGS,
Associate Secretary