

THE APRIL MEETING AT MONTEREY

The five hundred fifty-sixth meeting of the American Mathematical Society was held at the U. S. Naval Postgraduate School in Monterey, California on Thursday, Friday and Saturday, April 16, 17 and 18, 1959. There were 186 registrants at this meeting, 156 of whom were members of the Society.

By invitation of the Committee to Select Hour Speakers for Far Western Sectional Meetings, and sponsored by the Society with the financial aid of the National Science Foundation, a Symposium on Lattice Theory was held on Thursday and Friday. The program committee for this symposium consisted of Professors R. P. Dilworth, Chairman, Garrett Birkhoff, Alfred Tarski and R. S. Pierce. Professor Randolph Church presided at the Thursday morning session of the symposium which was devoted to Boolean algebras. At this session, Professor Alfred Tarski, University of California, Berkeley, presented an hour address on *Cylindrical algebras*. After Professor Tarski's talk, the following shorter addresses were given: *Injective and projective Boolean algebras*, Professor P. R. Halmos, University of Chicago; *Cardinal and ordinal multiplication of relation types*, Professor C. C. Chang, University of California, Los Angeles; *Some questions about complete Boolean algebras*, Professor R. S. Pierce, University of Washington; *Retracts in Boolean algebras*, Professor Philip Dwinger, Purdue University. Complemented modular lattices were discussed in the afternoon session on Thursday, with Professor Morgan Ward presiding. The principal address, given by Professor Israel Halperin, Queen's University, was entitled *Complemented modular lattices*. This was followed by three shorter talks: *Extensions of von Neumann's coordinatization theorem*, Professor Bjarni Jónsson, University of Minnesota; *Coordinatization of non-Desarguesian planes*, Professor K. D. Fryer, Royal Military College of Canada; *Representation of complete complemented modular lattices*, Professor J. E. McLaughlin, University of Michigan. Professor Birkhoff presided at the third session of the symposium on Friday morning, which was devoted to lattice structure theory. Professor R. P. Dilworth, California Institute of Technology, spoke for an hour on the *Structure and decomposition theory of lattices*. His address was followed by three shorter papers: *Lattice theory of generalized partitions*, Dr. Juris Hartmanis, General Electric Company; *Sublattices of free lattices*, Professor R. A. Dean, California Institute of Technology; *Prime ideal characterization of generalized Post algebras*, Professor Alfred Horn, University of California, Los Angeles. The final session of the sym-

posium, held on Friday afternoon with Professor Dilworth presiding, was devoted to applications of lattice theory. The principal address was given by Professor Garrett Birkhoff on *Lattices in applied mathematics*. Three shorter addresses followed: *The lattice of normal subgroups of a group*, Professor Marshall Hall, Jr., Ohio State University; *Locally compact topological lattices*, Professor Lee Anderson, University of Oregon; *Function lattices*, Professor F. W. Anderson, University of Oregon. Dr. Philip M. Whitman of Johns Hopkins University was scheduled to present a talk on *The status of word problems, especially in modular lattices*, but he was unable to attend the symposium because of illness. The Proceedings of the Lattice Theory Symposium will be published by the Society.

By invitation of the Committee to Select Hour Speakers for Far Western Sectional Meetings, Dr. Olga Taussky Todd of the California Institute of Technology addressed the Society on Saturday afternoon. Her subject was *Matrices of rational integers*. She was introduced by Professor C. B. Allendoerfer of the University of Washington.

There were five sessions for contributed papers on Saturday with Professors Z. W. Birnbaum, Paul Civin, P. R. Halmos, T. S. Motzkin and Raphael Robinson presiding. Mr. H. J. Keisler was introduced by Dr. Olga Taussky Todd and Mr. Martin Fox by Dr. S. H. Gould.

R. S. PIERCE,
Acting Associate Secretary