THE APRIL MEETING IN NEW YORK

The five hundred thirty-third meeting of the American Mathematical Society was held on Thursday, Friday, and Saturday, April 4–6, 1957, at New York University. A Symposium on Orbit Theory (sponsored by the Society with the aid of the Office of Ordnance Research) was held on Thursday and Friday. About 550 persons attended, including 430 members of the Society.

The Symposium was divided into three sessions which met at 10:00 A.M. and 2:00 P.M. on Thursday, and at 10:00 A.M. on Friday. The first session was presided over by Professor J. B. Rosser. Participants in the Symposium were welcomed at this session by Colonel G. F. Leist, Commanding Officer of the Office of Ordnance Research of the U. S. Army. The following papers were presented: *Orbit stability in particle accelerators*, by Dr. E. D. Courant of the Brookhaven National Laboratory; *Motion of cosmic-ray particles in galactic magnetic fields*, by Professor Stanislaw Olbert of the Massachusetts Institute of Technology; *Störmer orbits*, by Dr. W. H. Bennett of the U. S. Naval Research Laboratory. Discussion was led by Professor Thomas Gold.

At the second session of the Symposium, the following papers were presented: *General theory of oblateness perturbations*, by Professor Paul Herget of the University of Cincinnati; *Fundamental problems in predicting positions of artificial earth satellites*, by Professor F. L. Whipple of Harvard University; *Cis-lunar orbits*, by Dr. K. A. Ehricke of the General Dynamics Corporation; *Satellite launching vehicle trajectories*, by Dr. J. W. Siry of the U. S. Naval Research Laboratory. The chairman for this session was Professor F. J. Murray, and the discussion was led by Dr. H. E. Newell.

The papers presented at the third session of the Symposium were: *Numerical determination of precise orbits*, by Professor W. J. Eckert of Columbia University; *Comments on general theories of planetary orbits*, by Professor Dirk Brouwer of Yale University; *Relativistic orbits in the central field of Birkhoff's theory of gravitation*, by Professor C. G. Fernández of the University of Mexico. Professor R. E. Langer was the chairman for this session, and the discussion was led by Professor Jurgen Moser.

By invitation of the Committee to Select Hour Speakers for Eastern Sectional Meetings, Professor Bernard Friedman of New York University addressed the Society at 2:00 P.M. on Friday on *Boundary conditions at infinity and virtual eigenvalues*, and Professor R. V.

223