

## THE FEBRUARY MEETING IN NEW YORK

The three hundred third meeting of the American Mathematical Society was held at Columbia University, on Saturday, February 25, 1933, extending through the usual morning and afternoon sessions. The attendance included the following ninety members of the Society:

R. L. Anderson, R. G. Archibald, H. E. Arnold, J. L. Barnes, R. A. Beaver, M. F. Becker, Samuel Borofsky, A. B. Brown, E. W. Brown, A. D. Campbell, Alonzo Church, George Comenetz, R. P. Conkling, M. F. Deuring, J. L. Doob, Jesse Douglas, Arnold Dresden, Lillian Dundes, H. T. Engstrom, J. M. Feld, T. S. Fiske, W. B. Fite, D. A. Flanders, Edward Fleisher, M. M. Flood, R. M. Foster, T. C. Fry, C. A. Garabedian, R. M. Gut, E. H. Hanson, Alan Hazeltine, Lulu Hofmann, Harold Hotelling, J. C. Hughes, Nathan Jacobson, S. A. Joffe, I. N. Kagno, Edward Kasner, J. R. Kline, Morris Kline, M. S. Knebelman, B. O. Koopman, A. W. Landers, M. K. Landers, W. H. Langdon, Harry Langman, Solomon Lefschetz, A. K. Leon, H. C. Levinson, A. J. Lotka, L. A. MacColl, H. F. MacNeish, A. E. Meder, A. K. Mitchell, E. C. Molina, G. W. Mullins, C. A. Nelson, E. P. Northrop, Oystein Ore, F. W. Owens, R. E. A. C. Paley, Walter Prenowitz, G. B. Price, W. C. Randels, H. W. Raudenbush, L. M. Reagan, M. S. Rees, H. L. Rietz, J. F. Ritt, S. L. Robinson, C. E. Seely, F. R. Sharpe, Jacob Sherman, L. P. Siceloff, L. L. Smail, P. A. Smith, M. H. Stone, Paul Szabo, H. B. Thiessen, J. M. Thomas, E. W. Titt, I. L. Van Dyck, Oswald Veblen, H. E. Wahlert, R. J. Walker, Henry Walther, M. E. Wells, R. A. Wetzel, W. A. Wilson, Leo Zippin.

At a business session of the Society held before the beginning of the afternoon session the following changes in the By-Laws were adopted, as recommended by the Council: Article I, Section 2, to read "It shall be a duty of the President to deliver an address before the Society at the close of his term of office or within one year thereafter." Article VI, Section 2, last clause of the first sentence, to read "four dollars of the dues of each member shall be for a year's subscription to the Bulletin."

At the beginning of the afternoon session, by invitation of the Program Committee, Professor F. R. Sharpe, of Cornell University, delivered an address entitled *The algebraic theory of involutorial transformations*.

Titles and cross-references to the abstracts of the papers read at the regular sessions follow below. Professor W. A. Wilson presided at the morning session, and Professor Arnold Dresden in the afternoon. Mr. Halperin was introduced by Professor