

THE NOVEMBER MEETING IN PASADENA

The four hundred fifty-second meeting of the American Mathematical Society was held at the California Institute of Technology, Pasadena, California, on Saturday, November 26, 1949. Approximately 130 persons attended, including the following 98 members of the Society:

W. G. Bade, M. M. Beenken, E. F. Beckenbach, E. T. Bell, Richard Bellman, H. F. Bohnenblust, S. G. Bourne, Herbert Busemann, W. D. Cairns, A. B. Coble, F. E. Cothran, F. G. Creese, J. H. Curtiss, Tobias Dantzig, P. H. Daus, J. E. Denby-Wilks, C. R. De Prima, R. J. Diamond, S. P. Diliberto, R. P. Dilworth, Avron Douglis, Roy Dubisch, C. L. Dunsmore, L. K. Durst, R. H. Edwards, Arthur Erdélyi, Harley Flanders, G. E. Forsythe, A. L. Foster, W. B. Fulks, W. H. Glenn, G. E. Gourrich, J. W. Green, Hugh Hamilton, A. R. Harvey, E. M. Henderson, M. R. Hestenes, P. G. Hoel, Alfred Horn, D. G. Humm, H. D. Huskey, D. H. Hyers, Rufus Isaacs, E. H. Jacobs, Glenn James, R. C. James, P. B. Johnson, William Karush, Samuel Karlin, A. J. Kempner, R. M. Lakness, Cornelius Lanczos, G. E. Latta, M. B. Lehman, D. H. Lehmer, Jack McLaughlin, A. B. Mewborn, C. B. Morrey, J. W. Odle, L. J. Paige, R. P. Peterson, R. S. Phillips, W. T. Puckett, H. R. Pyle, E. S. Quade, W. C. Randels, I. S. Reed, Julia Robinson, R. M. Robinson, E. B. Roessler, J. B. Rosser, Herman Rubin, Abraham Seidenberg, Max Shiffman, Harold Shniad, I. S. Sokolnikoff, R. D. Specht, D. V. Steed, Robert Steinberg, E. G. Straus, Irving Sussman, J. D. Swift, A. E. Taylor, F. G. Tricomi, A. W. Tucker, R. L. Vaught, S. S. Walters, Morgan Ward, W. R. Wasow, W. W. Weber, P. A. White, R. L. White, A. L. Whiteman, W. M. Whyburn, R. L. Wilder, G. M. Wing, František Wolf, J. R. Ziegler.

There was a general session in the morning for contributed papers and for the invited address *On the stability of solutions of differential equations*, by Professor Richard Bellman of Stanford University. Professor Arthur Erdélyi presided. In the afternoon there were two sectional sessions, at which Professor D. H. Hyers and A. L. Foster presided.

Following the meetings, those present were guests of the Department of Mathematics of the California Institute of Technology at a tea at the Athanaeum.

Abstracts of papers presented at the meeting follow. Those abstracts whose numbers are followed by the letter "t" were presented by title. Mr. Schweitzer, whose abstract was introduced by Professor Gabor Szegő, died on January 28, 1945.

ALGEBRA AND THEORY OF NUMBERS

70. Roy Dubisch: *A note on isotopy.*

The purpose of this note is to point out that isotopy of algebras may be handled from the point of view of a type of equivalence of matrices $X = (X_{ij})$ where X_{ij} is a