

THE NOVEMBER MEETING IN LOS ANGELES

The four hundred eighty-seventh meeting of the American Mathematical Society was held at the University of Southern California, Los Angeles, California, on Saturday, November 29, 1952. Attendance was approximately 100, including the following 81 members of the Society:

M. G. Arsove, E. W. Barankin, E. F. Beckenbach, M. M. Beenken, Clifford Bell, R. E. Bellman, L. D. Berkovitz, H. F. Bohnenblust, J. V. Breakwell, L. H. Chin, E. A. Coddington, L. M. Coffin, J. M. Danskin, G. B. Dantzig, P. H. Daus, A. C. Davis, A. H. Diamond, R. P. Dilworth, Milton Drandell, Roy Dubisch, L. K. Durst, H. A. Dye, Arthur Erdélyi, Harley Flanders, G. E. Forsythe, I. L. Glicksberg, J. W. Green, L. D. Gregory, C. J. Halberg, Jr., L. A. Henkin, M. R. Hestenes, P. G. Hodge, Jr., P. G. Hoel, D. G. Humm, Rufus Isaacs, P. B. Johnson, Jan Kalicki, L. D. Kovach, D. H. Lehmer, R. B. Leipnik, H. A. Linstone, M. M. Loève, Charles Loewner, N. M. Martin, H. A. Osborn, T. K. Pan, Emanuel Parzen, R. S. Phillips, D. H. Potts, W. T. Puckett, Jr., R. M. Redheffer, Edgar Reich, R. E. Roberson, J. B. Robinson, Raphael M. Robinson, G. F. Rose, Peter Scherk, Raymond Sedney, Bernard Sherman, Seymour Sherman, I. M. Singer, James C. Smith, Ernst Snapper, R. H. Sorgenfrey, D. V. Steed, Robert Steinberg, E. G. Straus, A. C. Sugar, J. D. Swift, Alfred Tarski, A. E. Taylor, F. B. Thompson, R. A. Wagner, L. F. Walton, W. R. Wasow, M. A. Weber, P. A. White, G. T. Whyburn, B. R. Wicker, F. L. Wolfe, P. S. Wolfe.

The two sections at 10:00 A.M. for contributed papers were presided over by Dr. G. E. Forsythe and Professor Ernst Snapper. At 2:00 P.M., Professor M. M. Loève of the University of California, Berkeley, delivered the invited address, *Ergodic theorems in probability theory*. Professor Loève was introduced by Professor P. G. Hoel. At 3:15 there was a section for late papers, at which Professor D. V. Steed presided.

After the meetings, those attending were the guests of the Mathematics Department of the University of Southern California at tea at the Town and Gown.

Abstracts of papers presented at the meeting follow. Those preceded by the letter "t" were presented by title. Paper 114 was presented by Professor Tarski, paper 116 by Professor Kalicki, and paper 137 by Professor Scherk. Mr. Mack was introduced by Professor G. C. Evans, Mr. Scott by Professor Kalicki, and Mr. Adams by Professor J. C. C. McKinsey.

ALGEBRA AND THEORY OF NUMBERS

110t. Anne C. Davis: *Square roots of some denumerable order types*.

All solutions of $\xi^2 = \alpha$ are found, when α is an order type of the form $\alpha = \tau \cdot \eta$, τ denumerable and scattered (Bull. Amer. Math. Soc. Abstract 58-4-330; Davis and Sierpinski, C. R. Acad. Sci. Paris vol. 235 (1952) pp. 850-852). Every order type μ is