THE MAY MEETING IN PALO ALTO

The four hundred ninety-second meeting of the American Mathematical Society was held at Stanford University, Palo Alto, California, on May 2, 1953. Attendance was approximately 120, including the following 88 members of the Society:

H. L. Alder, C. B. Allendoerfer, T. M. Apostol, H. M. Bacon, E. M. Beesley, Donald C. Benson, Stefan Bergman, Kurt Bing, W. W. Bledsoe, R. N. Bradt, J. L. Brenner, Paul Brock, F. H. Brownell, Herman Chernoff, Randolph Church, P. A. Clement, K. L. Cooke, E. L. Crow, P. H. Daus, A. C. Davis, E. A. Davis, C. R. DePrima, Douglas Derry, Roy Dubisch, Arthur Erdélyi, Paul Erdös, F. D. Faulkner, Solomon Feferman, J. M. G. Fell, W. J. Firey, Harley Flanders, G. E. Forsythe, A. L. Foster, Joel Franklin, K. S. Ghent, M. A. Girshick, J. W. Green, R. M. Hayes, J. G. Herriot, M. R. Hestenes, Edwin Hewitt, Jan Kalicki, William Karush, R. S. Lehman, Joseph Lehner, R. B. Leipnik, Hans Lewy, Charles Loewner, A. T. Lonseth, A. V. Martin, R. B. Merkel, A. B. Mewborn, F. R. Morris, A. P. Morse, T. S. Motzkin, A. F. Moursund, R. G. Needels, Ivan Niven, C. D. Olds, T. K. Pan, C. L. Perry, Jr., George Pólya, F. M. Pulliam, Joseph Putter, C. H. Rawlins, Jr., R. M. Redheffer, Edgar Reich, H. J. Reiter, J. B. Robinson, R. M. Robinson, E. B. Roessler, H. L. Royden, Herman Rubin, M. M. Schiffer, Abraham Seidenberg, M. A. Shader, W. H. Simons, Ernst Snapper, J. M. Stark, E. G. Straus, M. V. Sunseri, Irving Sussman, Gabor Szegö, Alfred Tarski, J. W. Weihe, Robert Weinstock, G. T. Whyburn, A. R. Williams.

The general session at ten o'clock was presided over by Professor Charles Loewner. At eleven, Professor Ernst Snapper of the University of Southern California gave the invited address, *Equivalence relations in algebraic geometry*. There were two sessions in the afternoon for contributed papers, at which Professors Roy Dubisch and E. M. Beesley presided.

The abstracts of papers presented at the meeting follow. Those whose numbers are followed by "*t*" were presented by title. Professor Fraïssé was introduced by Professor Tarski and Professor Karlin by the Associate Secretary. In the absence of Mr. Vaught, paper 522 was presented by Mr. Solomon Feferman. Paper 508 was presented by Professor Straus, paper 519 by Dr. Motzkin, and paper 523 by Professor Hewitt.

Algebra and Theory of Numbers

493. J. L. Brenner: *Orthogonal matrices of modular polynomials.*

The result of bordering a 2×2 orthogonal matrix is called a plane rotation, as usual. Theorem. Every orthogonal matrix, the elements of which are polynomials in t with coefficients in the field of two elements, is a product of constant matrices and plane rotations. This theorem is false for matrices over $C_p[t]$, $p>2$, p prime [Amer. Math. Monthly vol. 58 (1951) pp. 327–329]. A whole class of nonconstant orthogonal