

THE APRIL MEETING IN STANFORD

The four hundred seventieth meeting of the American Mathematical Society was held at Stanford University, Palo Alto, California, on Saturday, April 28, 1951. Approximately 127 persons attended, including the following 91 members of the Society:

H. L. Alder, T. M. Apostol, Richard Arens, H. A. Arnold, H. M. Bacon, W. G. Bade, G. A. Baker, Clifford Bell, R. E. Bellman, Benjamin Bernholz, Z. W. Birnbaum, David Blackwell, W. W. Bledsoe, F. H. Brownell, H. D. Brunk, C. L. Clark, J. G. van der Corput, Richard Courant, A. C. Davis, E. A. Davis, R. Y. Dean, S. P. Diliberto, R. P. Dilworth, Brother V. Dominic, Melvin Dresher, Roy Dubisch, L. K. Durst, Arthur Erdélyi, D. J. Ewy, Harley Flanders, G. E. Forsythe, R. A. Fuchs, C. M. Fulton, P. R. Garabedian, M. A. Girshick, G. E. Gourrich, G. J. Haltiner, J. G. Hardy, C. A. Hayes, G. B. Hedrick, J. G. Herriot, M. R. Hestenes, Edwin Hewitt, J. L. Hodges, C. G. Jaeger, Fritz John, R. M. Lakness, Cornelius Lanczos, G. E. Latta, D. H. Lehmer, R. B. Leipnik, Hans Lewy, J. C. C. McKinsey, A. V. Martin, A. B. Mewborn, W. E. Milne, C. B. Morrey, F. R. Morris, T. S. Motzkin, R. G. Needels, Ivan Niven, I. L. Novak, H. A. Osborn, Edmund Pinney, George Pólya, R. M. Redheffer, M. M. Resnikoff, J. B. Robinson, R. M. Robinson, E. B. Roessler, P. G. Rooney, Herman Rubin, Seymour Sherman, M. L. Stein, Robert Steinberg, R. G. Stoneham, E. G. Straus, A. C. Sugar, M. V. Sunseri, Irving Sussman, Gabor Szegö, R. B. Talmadge, Alfred Tarski, M. A. Weber, J. W. Weihe, F. J. Weyl, P. A. White, A. L. Whiteman, A. R. Williams, G. M. Wing, František Wolf.

By invitation of the Committee to Select Hour Speakers for Far Western Sectional Meetings, Professor Arthur Erdélyi of the California Institute of Technology delivered at 11:00 A.M. an address entitled *The analytic theory of systems of partial differential equations*. Professor Erdélyi was introduced by Professor George Pólya. There were sessions for contributed papers in the morning and afternoon, presided over by Professors Gabor Szegö, R. E. Bellman, and W. E. Milne. Following the meetings, those attending were guests at tea in the Stanford Union.

Following are abstracts of papers presented at the meeting. Papers whose abstracts numbers are followed by "t" were presented by title. Paper number 380 was presented by Professor Hyers, number 389 by Professor Hewitt, number 393 by Professor Birnbaum, and number 396 by Professor Straus.

ALGEBRA AND THEORY OF NUMBERS

369t. H. W. Becker: *Euler numbers in combinatorial analysis.*

The Euler-Andre numbers (Netto, *Combinatorik*, 1927, pp. 105-112) have an interpretation; $2A_n$ is the number of alternating permutations of n letters. Their generating function is $e^{tA} = \sec t + \tan t$, from which $A_{n+1} = (A + je)^n$, $j = (-1)^{1/2}$, $E_{2m-1} = 0$, $E_{2m} = (-)^m A_{2m}$. A new interpretation is: $A_{n+1} = W_n$ is the number of n letter