

THE NOVEMBER MEETING IN PASADENA

The four hundred ninety-eighth meeting of the American Mathematical Society was held at the California Institute of Technology, Pasadena, California on Saturday, November 28. Attendance was approximately 90, including the following 70 members of the Society:

T. M. Apostol, L. A. Aroian, M. S. Barnes, R. A. Beaumont, M. M. Beenken, Clifford Bell, L. D. Berkovitz, W. W. Bledsoe, R. R. Christensen, Randolph Church, L. M. Coffin, P. H. Daus, C. R. DePrima, R. J. Dickson, Jr., S. P. Diliberto, R. P. Dilworth, Roy Dubisch, O. J. Dunn, D. E. Edmondson, M. P. Epstein, Arthur Erdélyi, W. J. Firey, Harley Flanders, G. E. Forsythe, A. L. Foster, R. E. Graves, J. W. Green, C. J. A. Halberg, Jr., H. J. Hamilton, A. R. Harvey, M. R. Hestenes, D. H. Hyers, C. G. Jaeger, M. L. Juncosa, J. L. Kelley, G. J. Kleinhesselink, P. A. Lagerstrom, L. C. Lay, J. E. LeBel, M. A. Lee, Solomon Lefschetz, T. C. Littlejohn, J. L. McGregor, J. C. Miller, T. S. Motzkin, A. B. Neale, E. D. Nering, T. E. Oberbeck, James Pachares, D. H. Potts, W. T. Puckett, Jr., R. M. Redheffer, Edgar Reich, E. B. Roessler, M. M. Schiffer, I. M. Singer, I. S. Sokolnikoff, F. L. Spitzer, M. L. Stein, Robert Steinberg, E. G. Straus, A. C. Sugar, Irving Sussman, J. D. Swift, A. E. Taylor, Elmer Tolsted, C. B. Tompkins, F. A. Valentine, L. E. Ward, L. E. Ward, Jr., W. R. Wasow, J. V. Whittaker.

By invitation of the Committee to Select Hour Speakers for Far Western Sectional Meetings, Professor M. M. Schiffer of Stanford University delivered an hour address entitled *Variational methods for domain functionals*. Professor Schiffer was introduced by Professor Arthur Erdélyi, who also presided at the morning session for contributed papers. The afternoon sessions were presided over by Professor R. P. Dilworth and Dr. G. E. Forsythe.

Those attending the meetings were entertained afterwards at tea at the Athanaeum by the Mathematics Department of the California Institute of Technology.

Abstracts of the papers presented are listed below. In the case of joint authorship of a paper, the name of that author who presented it is followed by "(p)." Papers presented by title have their numbers followed by "t." Dr. Stein was introduced by Professor J. W. Green, Dr. Mackie by Professor Arthur Erdélyi, Mr. Marcus by Professor S. P. Diliberto, and Mr. Scott by Professor Alfred Tarski.

ALGEBRA AND THEORY OF NUMBERS

145. R. A. Beaumont (p) and R. P. Peterson, Jr.: *Set-transitive permutation groups*.

A permutation group G on n symbols is s set-transitive if for every pair of s element subsets S and T of the symbols, there is a permutation in G which carries S into T . The group G is set-transitive if G is s set-transitive for all s . If s is greater than