

## THE NOVEMBER MEETING IN PASADENA

The four hundred thirtieth meeting of the American Mathematical Society was held at the California Institute of Technology, Pasadena, California, on Saturday, November 29, 1947. The attendance was approximately 115, including the following 82 members of the Society:

O. W. Albert, H. L. Alder, R. F. Arens, S. P. Avann, L. H. Bechtolsheim, E. F. Beckenbach, H. W. Becker, M. M. Beenken, Clifford Bell, E. T. Bell, H. F. Bohnenblust, Herbert Busemann, Ralph Byrne, W. D. Cairns, F. H. Campbell, L. H. Chin, F. M. Clarke, L. M. Coffin, F. E. Cothran, E. L. Crow, D. R. Curtiss, P. H. Daus, Harold Davenport, R. W. Davies, R. P. Dilworth, L. K. Durst, Arthur Erdélyi, G. C. Evans, G. E. Forsythe, W. H. Glenn, E. C. Goldsworthy, J. W. Green, Leonard Greenstone, H. J. Hamilton, W. L. Hart, Olaf Helmer, J. G. Herriot, M. R. Hestenes, P. G. Hoel, Alfred Horn, D. H. Hyers, Rufus Isaacs, C. G. Jaeger, P. B. Johnson, P. J. Kelly, Cornelius Lanczos, D. H. Lehmer, Harold Luxenberg, S. L. McDonald, G. F. McEwen, Rhoda Manning, A. V. Martin, A. D. Michal, E. D. Miller, T. E. Oberbeck, J. W. Odle, L. J. Paige, R. S. Phillips, W. T. Puckett, W. C. Randels, H. P. Robertson, J. B. Robinson, R. M. Robinson, C. H. Savit, Henry Scheffé, G. E. F. Sherwood, Ernst Snapper, I. S. Sokolnikoff, R. H. Sorgenfrey, D. V. Steed, A. C. Sugar, J. D. Swift, Alfred Tarski, E. B. Tolstead, C. A. Truesdell, S. E. Urner, F. A. Valentine, Morgan Ward, L. E. Wear, P. A. White, R. M. Winger.

The morning session was devoted to research papers and to the hour address, *Electronic aids to the theory of numbers*, by Professor D. H. Lehmer of the University of California. Professor Morgan Ward presided. Additional research papers were presented in the afternoon in two sections, analysis and algebra, at which Professors E. F. Beckenbach and E. T. Bell, respectively, presided.

Following the meetings, tea was served at the Athenaeum through the hospitality of the Department of Mathematics of the California Institute of Technology.

Abstracts of papers read at the meeting follow below. Abstracts whose numbers are followed by the letter "t" were presented by title. Dr. Karlin was introduced by Professor Morgan Ward. Paper number 87 was read by Dr. Horn, paper 88 by Professor Tarski, and paper 90 by Miss Chin.

### ALGEBRA AND THEORY OF NUMBERS

85. H. L. Alder: *The nonexistence of certain identities in the theory of partitions and compositions.*

Let  $q_{a,m}(n)$  be the number of partitions of  $n$  into parts differing by at least  $a$ , each part being greater than or equal to  $m$ . Identities involving  $q_{1,1}(n)$  (Euler's identity) and  $q_{2,1}(n)$  and  $q_{2,2}(n)$  (Rogers-Ramanujan identities) are known. It is