

THE RESEARCH CONFERENCE ON THE THEORY OF NUMBERS IN PASADENA

A *Research Conference on the Theory of Numbers* was held at the California Institute of Technology from June 22 to June 24, 1955 in conjunction with the thirty-sixth Annual Meeting of the Pacific Division of the American Association for the Advancement of Science. It was supported by a grant from the National Science Foundation to the California Institute of Technology. The members of the organizing committee were Sarvadaman Chowla, University of Colorado, Hans Rademacher, University of Pennsylvania, J. B. Rosser, Cornell University, J. T. Tate, Harvard University, Morgan Ward, California Institute of Technology, A. L. Whiteman (chairman), University of Southern California. Professor H. F. Bohnenblust of the California Institute of Technology was the local director of arrangements. The Conference was open to all interested mathematicians, and the total attendance was approximately seventy-five.

Through the courtesy of Caltech and the A.A.A.S. hotel accommodations, lounges, recreational and dining facilities were made available to the Conference participants. A banquet was held at Taix French Restaurant on Thursday evening, June 23. On Friday afternoon a group photograph of those attending the meeting was taken in front of Throop Hall.

The program of the Conference consisted of twenty-four invited addresses. Fifteen of the speakers received subsidization from the National Science Foundation. There were six sessions presided over respectively by Professors J. B. Rosser, Morgan Ward, Sarvadaman Chowla, Emil Artin, Richard Brauer, and D. H. Lehmer.

Bound sets of abstracts of most of the papers on the program were circulated to all participants at the beginning of the Conference. It was felt that the value of the Conference was thereby greatly enhanced. The papers were presented in the following order with Dr. Joseph Lehner's paper being read by title.

Ernst G. Straus: *The arithmetic of analytic functions.*

Olga Taussky Todd: *Matrix methods in algebraic number theory.*

Morgan Ward: *Divisibility sequences.*

Emma Lehmer: *On the location of Gauss' sums.*

Albert Leon Whiteman: *A sum connected with the partition function.*

Tom M. Apostol: *The approximate functional equation of Hecke's Dirichlet series.*