

## THE JUNE MEETING IN PULLMAN

The four hundred seventy-first meeting of the American Mathematical Society was held at the State College of Washington, Pullman, Washington, on Saturday, June 16, 1951, following the meeting on Friday of the Pacific Northwest Section of the Mathematical Association of America.

Approximately 65 persons attended the meetings including the following 43 members of the Society:

H. A. Antosiewicz, T. M. Apostol, R. W. Ball, C. R. Ballantine, J. P. Ballantine, R. A. Beaumont, J. S. Biggerstaff, Z. W. Birnbaum, J. L. Bottsford, J. L. Brenner, L. G. Butler, Harold Chatland, P. A. Clement, K. L. Cooke, C. M. Cramlet, D. B. Dekker, W. F. Donoghue, A. L. Duquette, Trevor Evans, R. E. Fullerton, K. S. Ghent, J. W. Green, F. L. Griffin, M. E. Haller, A. E. Halteman, I. M. Hostetter, R. D. James, J. M. Kingston, M. S. Knebelman, R. B. Leipnik, J. J. Livers, A. T. Lonseth, R. E. Lowney, L. H. McFarlan, H. B. Mann, A. F. Moursund, D. C. Murdoch, Ivan Niven, L. J. Paige, M. F. Ruchte, J. R. Vatnsdal, R. M. Winger, Fumio Yagi.

The meeting opened Saturday morning with a session for contributed papers, Professor M. S. Knebelman presiding. Following this was the invited address, *The asymptotic density of sequences*, by Professor Ivan Niven, of the University of Oregon. Professor R. D. James presided at the invited address.

On Friday evening there was a joint dinner for the Society and Association, followed by a social hour in the Library. On Saturday afternoon, those attending were entertained for tea at the home of Professor Knebelman.

Following the invited address, a resolution was passed to request the Council of the Society to schedule a meeting in Eugene, Oregon in June, 1952, in conjunction with the June meeting there of the Pacific Northwest Section of the Mathematical Association of America, and in connection with celebration of the seventy-fifth anniversary of the founding of the University of Oregon.

Abstracts of papers presented at the meeting follow. Papers whose titles are followed by *t* were presented by title. Mr. McGregor's paper was presented by Professor R. D. James. Mr. Kiefer was introduced by Professor Jacob Wolfowitz, Mr. Liao by Professor E. H. Spanier.

### ALGEBRA AND THEORY OF NUMBERS

399*t*. T. A. Botts: *Representation of algebras by filters*.

A very simple construction by abstract filters, equivalent to a construction of Dunford's [Nelson Dunford and M. H. Stone, *On the representation theorem for Boolean algebras*, *Revista de Ciencias* (Lima) vol. 43 (1941) pp. 447-453] by well-ordering,