

## REPORT OF THE PRINCETON MEETING OF THE INSTITUTE

The twenty-third meeting of the Institute of Mathematical Statistics was held in Princeton, New Jersey on Friday, November 1, 1946, in connection with the year-long Celebration of the Bicentennial of Princeton University. The meeting was devoted entirely to *Analysis of Variance*. The meeting was attended by 118 persons including the following 96 members of the Institute:

Adam Abruzzi, Forman S. Acton, R. L. Anderson, T. W. Anderson, Jr., M. S. Bartlett, Robert Bechofer, Gilbert W. Beebe, J. H. Bigelow, Archie Blake, C. I. Bliss, A. E. Brandt, Burton H. Camp, George C. Campbell, A. George Carlton, Kai Lai Chung, W. G. Cochran, Gertrude Cox, Harold Cramér, S. Lee Crump, J. H. Curtiss, Joseph F. Daly, Besse B. Day, D. B. DeLury, V. V. Divatia, J. Dutka, Churchill Eisenhart, B. Epstein, H. L. Fanshaw, Nicholas Fattu, Will Feller, Merrill M. Flood, Bernard Friedman, Hilda Geiringer, H. H. Goldstine, Joseph A. Greenwood, E. J. Gumbel, Margaret Gurney, L. Gutmann, T. E. Harris, Millard Hastay, Irwin S. Hoffer, C. J. Kirchen, B. F. Kimball, Lila F. Knudsen, H. S. Konijn, Jack Laderman, J. D. Maddrill, Sophie Marcuse, H. C. Mathisen, J. W. Mauchly, Margaret Merrell, Elmer B. Mode, Margaret E. Moore, J. E. Morton, Judith Moss, F. Mosteller, Charles M. Mottley, Ray B. Murphy, P. M. Neurath, Hugo Nilson, Gottfried E. Noether, Monroe L. Norden, H. W. Norton, C. O. Oakley, P. S. Olmstead, J. G. Osborne, Ellis R. Ott, C. J. Rees, W. A. Reynolds, A. C. Rosander, David Rosenblatt, Ernest Rubin, P. U. Rulon, Frank Saidel, Marian M. Sandomire, Walter A. Shewhart, James G. Smith, Milton Sobel, Herbert Solomon, Mortiner Spiegelmon, Charles M. Stein, G. R. Stibitz, John R. Tomlinson, Marion M. Torrey, John W. Tukey, D. F. Votaw, Jr., F. M. Wadley, Alton J. Wadman, A. Wald, Robert M. Walter, Lionel Weiss, Frank Wilcoxon, S. S. Wilks, C. P. Winsor, J. Wolfowitz, and W. J. Youden.

At the morning session the following program was presented with Professor S. S. Wilks of Princeton University as chairman:

- Topic: *Mathematical Approaches to the Analysis of Variance*
- Papers: *Two Probability Models for the Analysis of Variance*  
Professor A. Wald, Columbia University  
*Applications of Analysis of Variance*  
Professor M. S. Bartlett, Cambridge University and The University of North Carolina
- Discussion: Professor S. L. Crump, Iowa State College  
Dr. J. F. Daly, Bureau of the Census  
Professor J. W. Tukey, Princeton University  
Professor C. P. Winsor, Johns Hopkins University  
Professor J. Wolfowitz, Columbia University

The program for the afternoon session, under the chairmanship of Professor Will Feller of Cornell University, was as follows:

- Topic: *Multivariate Problems in the Analysis of Variance*
- Papers: *Analysis of Covariance*  
Professor W. G. Cochran, The University of North Carolina  
*Vector Methods*  
Professor J. W. Tukey, Princeton University

Discussion: Professor T. W. Anderson, Columbia University  
Professor C. I. Bliss, Yale University  
Professor Harold Cramér, The University of Stockholm and Princeton  
University  
Professor D. B. DeLury, Virginia Polytechnic Institute  
Professor P. L. Hsu, The University of North Carolina

The evening session consisted of round table discussion on *Unsolved Problems of the Analysis of Variance*, with Professor Gertrude M. Cox as chairman.

Members of the Institute and others who attended the meeting were guests of the Institute for Advanced Study at tea in Fuld Hall from 4 to 6 P.M. Those attending the evening session were guests of Princeton members of the Institute for refreshments in Fine Hall from 10 to 11 P.M.

P. S. DWYER,  
*Secretary.*