

## REPORT ON THE MADISON MEETING OF THE INSTITUTE

The Eleventh Summer Meeting of the Institute of Mathematical Statistics was held at the University of Wisconsin, Madison, Wisconsin, Tuesday, September 7 through Friday, September 10, 1948. The meeting was held in conjunction with the summer meetings of the American Mathematical Society, the Mathematical Association of America and the Econometric Society. The following eighty members of the Institute attended the meeting:

C. B. Allendoerfer, V. L. Anderson, K. J. Arnold, H. M. Bacon, A. S. Barr, Walter Bartky, H. P. Beard, A. A. Bennett, T. A. Bickerstaff, J. H. Bushey, Maria Castellani, Uttam Chand, Herman Chernoff, C. C. Craig, J. H. Curtiss, G. B. Dantzig, D. B. De Lury, J. L. Doob, A. M. Dutton, P. S. Dwyer, Mrs. Daisy Edwards, Churchill Eisenhart, H. P. Evans, C. H. Fischer, J. E. Freund, H. M. Gehman, H. H. Germond, M. A. Girshick, Casper Goffman, P. R. Halmos, W. G. Hart, E. H. C. Hildebrandt, Wassily Hoeffding, D. G. Horvitz, Harold Hotelling, A. S. Householder, M. H. Ingraham, Leo Katz, Oscar Kempthorne, J. F. Kenney, W. M. Kincaid, T. C. Koopmans, H. D. Larsen, Walter Leighton, H. B. Mann, A. M. Mark, Jacob Marschak, A. W. Marshall, Kenneth May, M. R. Mickey, Jr., Dorothy J. Morrow, C. J. Nesbitt, M. J. Netzorg, John von Neumann, Jerzy Neyman, G. B. Price, C. J. Rees, J. S. Rhodes, P. R. Rider, F. D. Rigby, Herman Rubin, Arthur Sard, Henry Scheffé, E. D. Schell, I. E. Segal, G. R. Seth, W. B. Simpson, Andrew Sobczyk, E. W. Stacy, C. M. Stein, A. G. Swanson, Zenon Szatrowski, R. M. Thrall, A. W. Tucker, J. W. Tukey, W. A. Wallis, J. E. Walsh, J. E. Wilkins, Jr., S. S. Wilks, M. A. Woodbury.

The Tuesday morning session was devoted to contributed papers. Professor K. J. Arnold of the University of Wisconsin presided. The attendance was approximately forty. The following papers were presented:

1. *On Distribution-free Confidence Intervals*. Preliminary Report.  
Dr. Wassily Hoeffding, Institute of Statistics, University of North Carolina.
2. *On Certain Statistics for Samples of 3 from a Normal Population*.  
Mr. Julius Lieblein, Statistical Engineering Laboratory, National Bureau of Standards. Presented by Dr. Churchill Eisenhart.
3. *On Multinomial Distributions with Limited Freedom: A Stochastic Genesis of Pareto's and Pearson's Curves*.  
Professor Maria Castellani, University of Kansas City.
4. *Fitting Generalized Truncated Normal Distributions*.  
Professor Harold Hotelling, Institute of Statistics, University of North Carolina.
5. *On the Distribution of the Two Closest Observations Among a Set of Three Independent Observations*.  
Professor G. R. Seth, Statistical Laboratory, Iowa State College.
6. *The Derivation of Certain Recurrence Formulae and their Application to the Extension of Existing Published Incomplete Beta Function Tables*.  
Dr. T. A. Bancroft, Alabama Polytechnic Institute. (Presented by title.)

On Tuesday afternoon a session for contributed papers was held jointly with the American Mathematical Society. Professor P. S. Dwyer of the University of Michigan presided. The attendance was approximately eighty. The following papers were presented: