

## REPORT ON THE RUTGERS MEETING OF THE INSTITUTE

The Eighth Summer Meeting of the Institute of Mathematical Statistics was held at the New Jersey College for Women, Rutgers University, New Brunswick, New Jersey on Sunday, September 16, 1945, where the Summer Meeting of the American Mathematical Society was also being held. The following 115 members of the Institute attended the meeting:

C. B. Allendoerfer, R. L. Anderson, T. W. Anderson, H. E. Arnold, I. L. Battin, Archie Blake, C. I. Bliss, P. Boschan, A. H. Bowker, A. E. Brandt, G. W. Brown, R. H. Brown, T. H. Brown, T. A. Budne, R. S. Burington, B. H. Camp, A. G. Carlton, P. C. Clifford, E. P. Coleman, T. F. Cope, G. M. Cox, H. B. Curry, J. H. Curtiss, J. F. Daly, J. H. Davidson, B. B. Day, W. E. Deming, H. F. Dodge, Jacques Dutka, P. S. Dwyer, Churchill Eisenhart, Wade Ellis, Mary Elveback, Benjamin Epstein, C. D. Ferris, C. H. Fischer, M. M. Flood, R. M. Foster, Milton Friedman, J. P. Gill, M. A. Girshick, Casper Goffman, A. A. Goodman, Dorothy K. Gottfried, T. N. E. Greville, F. E. Grubbs, K. W. Halbert, Marshall Hall, P. R. Halmos, Miriam S. Harold, Millard Hastay, Bernard Hecht, William Hodgkinson, I. S. Hoffer, Harold Hotelling, A. S. Householder, W. Hurwicz, Irving Kaplansky, C. J. Kirchen, Jack Laderman, Rafael Laguardia, H. G. Landau, Howard Levene, Harriet Levine, S. B. Littauer, A. T. Lonseth, P. J. McCarthy, W. G. Madow, J. W. Mauchly, E. B. Mode, D. J. Morrow, J. E. Morton, Judith Moss, P. M. Neurath, M. L. Norden, H. W. Norton, C. O. Oakley, P. S. Olmstead, Edward Paulson, John Riordan, H. E. Robbins, H. G. Romig, William Salkind, M. M. Sandomire, Arthur Sard, F. E. Satterthwaite, L. J. Savage, Henry Scheffé, Bernice Scherl, Edward Schrock, I. E. Segal, C. E. Shannon, L. W. Shaw, Herbert Solomon, Mortimer Spiegelman, J. R. Steen, Arthur Stein, F. F. Stephan, A. P. Stergion, L. V. Toralballa, Mary N. Torrey, A. W. Tucker, L. R. Tucker, J. W. Tukey, Helen M. Walker, W. A. Wallis, R. M. Walter, B. T. Weber, Joseph Weinstein, A. E. R. Westman, Frank Wilcoxon, S. S. Wilks, Jacob Wolfowitz, C. P. Winsor, Ruth Zwerling.

The first session, on Sunday morning, was devoted to a symposium on *Sequential Analysis*. Professor W. Allen Wallis, of Stanford University and Columbia Statistical Research Group, acted as chairman for this session. The following invited addresses were given.

1. *Theory of Sequential Analysis*.

Professor A. Wald, Columbia University and Columbia Statistical Research Group.

2. *Construction of Multiple Sampling Inspection Plans for Attributes from Sequential Principles*.

Mr. Milton Friedman, National Bureau of Economic Research and Columbia Statistical Research Group.

3. *Applications of Sequential Analysis to the Ranking of Two Populations with Respect to a Single Parameter*.

Mr. M. A. Girshick, Bureau of Agricultural Economics and Columbia Statistical Research Group.

The morning session was concluded after lively discussion on the symposium topic.

Dr. W. Edwards Deming, of the Bureau of the Budget and President of the Institute, presided at the afternoon session. The following papers were presented:

1. *On The Variance of a Random Set in  $n$  Dimensions.*  
Dr. Herbert E. Robbins, Post Graduate School, Annapolis.
2. *The Non-Central Wishart Distribution and its Application to Problems In Multivariate Statistics.*  
Dr. T. W. Anderson, Jr., Princeton University.
3. *The Effect on a Distribution Function of Small Changes in the Population Function.*  
Professor Burton H. Camp, Wesleyan University.
4. *On Composite Distributions.*  
Dr. Casper Goffman and Dr. Benjamin Epstein, Westinghouse Electric Corp.
5. *Population, Expected Values and Sample.*  
Professor Emil J. Gumbel, New School for Social Research.
6. *On the Selection of a Sample in Repeated Steps.*  
Dr. W. G. Madow, Bureau of the Census.
7. *On Optimum Estimates for Stratified Samples.*  
Mr. Morris H. Hansen and Mr. William N. Hurwitz, Bureau of the Census. Presented by Margaret Gurney.
8. *Pearsonian Correlation Coefficients Associated With Least Squares Theory* (Presented by Title).  
Professor P. S. Dwyer, University of Michigan.

The afternoon session concluded with the report of the Committee on the Teaching of Statistics which was presented by Professor Harold Hotelling of Columbia University.

P. S. DWYER,  
*Secretary*