

## REPORT ON THE NEW YORK MEETING OF THE INSTITUTE

The thirty-third meeting of the Institute of Mathematical Statistics was held at Columbia University, New York City, New York on Wednesday afternoon and Thursday, April 14 and 15, 1948. The meeting was attended by 158 persons, including the following 78 members of the Institute:

M. Afzal, L. A. Aroian, R. M. Auer, W. D. Baten, R. E. Bechhofer, J. H. Bushey, J. M. Cameron, B. H. Camp, G. C. Campbell, S. D. Canter, Manuel Cynamon, Tore Dalenius, J. F. Daly, J. L. Doob, C. W. Dunnett, Aryeh Dvoretzky, Churchill Eisenhart, Benjamin Epstein, M. W. Eudey, D. A. Fraser, M. A. Geisler, Mary Goins, H. H. Goode, E. J. Gumbel, M. H. Hansen, Mina Haskind, L. H. Herback, S. M. Ikhtiar-ul-Mulk, Seymour Jablon, L. F. Knudsen, Jack Laderman, Howard Levene, S. B. Littauer, F. M. Lord, Irving Lorge, Eugene Lukacs, W. G. Madow, Sophie Marcuse, Robert Mirsky, E. B. Mode, D. J. Morrow, Frederick Mosteller, D. N. Nanda, P. M. Neurath, G. E. Noether, M. L. Norden, Ingram Olkin, P. S. Olmstead, A. L. O'Toole, Katharine Pease, E. J. Pitman, W. A. Reynolds, J. S. Rhodes, H. E. Robbins, H. G. Romig, Ernest Rubin, Herman Rubin, P. J. Rulon, Frank Saidel, G. R. Seth, M. A. Schlorek, S. S. Shrikhande, Rose-dith Sitgreaves, Milton Sobel, Emma Spaney, F. F. Stephan, B. R. Suydam, Henry Teicher, J. W. Tukey, A. Wald, H. M. Walker, J. E. Walsh, S. S. Wilks, Dzung-shu Wei, Lionel Weiss, Jacob Wolfowitz, C. A. Wright, Mohammad Yusuf.

The Wednesday afternoon session, Professor S. B. Littauer of Columbia University presiding, was devoted to the following two invited addresses:

1. *Incomplete Block Designs*  
Professor R. C. Bose, Calcutta University and the University of North Carolina
2. *Non-Parametric Inference*  
Professor J. G. Pitman, University of Tasmania and Columbia University

The Thursday morning session, Professor Hobart Bushey of Hunter College presiding, consisted of a Symposium on *Scales of Measurement* at which two invited papers:

1. *The Development of Psychological Scaling Techniques*  
Professor Harold Gulliksen, Princeton University
2. *A Generalized Model for Scales*  
Professor Paul Lazarsfeld, Columbia University

were followed by prepared discussion by Professors Phillip Rulon of Harvard University and John Tukey of Princeton University.

The Thursday afternoon session, Dr. Harry G. Romig of Bell Telephone Laboratories presiding, was devoted to the following contributed papers:

1. *Optimum Character of the Sequential Probability Ratio Test*  
Professors Abraham Wald and Jacob Wolfowitz, Columbia University
2. *Multi-parameter Sequential Estimation*  
Mr. G. R. Seth, Columbia University

3. *The Distribution of a Definite Quadratic Form*  
Professor Herbert Robbins, University of North Carolina
4. *The Moments and Cumulants of the Product of 2, 3, or 4 Dependent Variables (Preliminary Report)*  
Professor Leo A. Aroian, Hunter College
5. *Generalization to  $N$  Dimensions of Inequalities of the Tchebycheff Type*  
Professor Burton H. Camp, Wesleyan University
6. *On the Power Function of a Sign Test Formed by Using Subsamples*  
Dr. John E. Walsh, Project Rand
7. *The Distribution of  $T^2$ , a Multivariate Generalization of the  $F$ -test.*  
Miss Dorothy J. Morrow, University of North Carolina.
8. *Approximate Confidence Points (Preliminary Report)*  
Professor John Tukey, Princeton University

At all of the sessions there was active discussion from the floor.

On Wednesday evening members and guests had dinner at the Men's Faculty Club.

S. B. LITTAUER  
*Assistant Secretary*