

REPORT ON THE NEW HAVEN MEETING OF THE INSTITUTE

The Tenth Summer Meeting of the Institute of Mathematical Statistics was held at Yale University, New Haven, Connecticut, Tuesday, September 2 through Thursday, September 4, 1947. The meeting was held in conjunction with the summer meetings of the American Mathematical Society and the Mathematical Association of America. The following 150 members of the Institute attended the meeting:

C. B. Allendoerfer, R. L. Anderson, H. E. Arnold, L. A. Aroian, H. M. Bacon, J. L. Barnes, W. D. Baten, R. E. Bechhofer, A. A. Bennett, Joseph Berkson, D. H. Blackwell, C. I. Bliss, Colin Blyth, Jr., A. E. Brandt, G. M. Brown, R. H. Brown, O. P. Bruno, P. T. Bruyere, Mrs. P. T. Bruyere, J. H. Bushey, B. H. Camp, G. C. Campbell, Uttam Chand, K. L. Chung, W. G. Cochran, A. C. Cohen, Jr., E. P. Coleman, T. F. Cope, G. M. Cox, C. C. Craig, E. L. Crow, H. B. Curry, G. B. Dantzig, M. D. Darkow, B. B. Day, Bernard Dimsdale, C. E. Dieulefait, C. W. Dunnett, Churchill Eisenhart, L. R. Elveback, M. W. Eudey, H. P. Evans, William Feller, C. D. Ferris, M. M. Flood, R. M. Foster, H. A. Freeman, J. E. Freund, H. P. Geiringer, M. J. Gottlieb, J. Arthur Greenwood, Evelyn Groosman, F. E. Grubbs, H. T. Guard, P. R. Halmos, Max Halperin, M. H. Hansen, B. I. Hart, Mina Haskind, Wassily Hoeffding, R. H. Hoskins, Harold Hotelling, A. S. Householder, Jaroslav Janko, Irving Kaplansky, Leo Katz, Oscar Kempthorne, E. M. Kennedy, W. L. Kichline, C. J. Kirchen, L. F. Knudsen, H. S. Konijn, C. F. Kossack, Jack Laderman, H. G. Landau, E. L. Lehmann, R. A. Leibler, Walter Leighton, Jr., F. C. Leone, Joseph Lev, Howard Levene, Julius Leiblein, Arthur Linder, S. B. Littauer, E. D. Lowry, H. F. MacNeish, P. J. McCarthy, John Mandel, H. B. Mann, Sophie Marcuse, F. J. Massey, Margaret Merrell, E. B. Mode, M. E. Moore, Frederick Mosteller, D. N. Nanda, P. M. Neurath, M. C. Neurdenburg, G. E. Noether, M. L. Norden, H. W. Norton, P. S. Olmstead, A. L. O'Toole, E. R. Ott, T. E. Oxtoby, Edward Paulson, M. P. Peisakoff, G. B. Price, J. A. Rafferty, L. J. Reed, C. J. Rees, P. R. Rider, John Riordan, H. E. Robbins, Milton da Silva Rodrigues, A. C. Rosander, Ernest Rubin, Herman Rubin, Frank Saidel, M. M. Sandomire, Arthur Sard, Max Sasuly, F. E. Satterthwaite, E. D. Schell, Jack Sherman, Rosedith Sitgreaves, Andrew Sobczyk, Milton Sobel, Herbert Solomon, Mortimer Spiegelman, Arthur Stein, Henry Teicher, R. M. Thrall, Gerhard Tintner, M. N. Torrey, J. W. Tukey, D. F. Votaw, Jr., Abraham Wald, H. M. Walker, J. E. Walsh, R. M. Walter, J. H. Watkins, Dzung-shu Wei, E. S. Weiss, S. S. Wilks, C. P. Winsor, H. O. Wold, Jacob Wolfowitz, C. A. Wright, Bertram Yood.

The Tuesday afternoon session was devoted to a symposium on 2×2 tables with Professor Lowell J. Reed of Johns Hopkins University serving as chairman. Addresses were given on *Tests of Significance* by Dr. Churchill Eisenhart, National Bureau of Standards; *Estimation* by Dr. Charles P. Winsor, Johns Hopkins University and *Non-Standard Cases* by Dr. Joseph Berkson, Mayo Clinic. Discussants were Mr. William F. Taylor, Dr. Frederick Mosteller, Professor David H. Blackwell and Professor John W. Tukey. The attendance was approximately 130.

The first Wednesday morning session was devoted to contributed papers. Professor John W. Tukey of Princeton University presided. The attendance was approximately 85. The following three papers were presented:

1. *Estimation of Parameters in Truncated Pearson Frequency Distributions.*
Professor A. C. Cohen, University of Georgia.

2. *Distribution of a Root of a Determinantal Equation.*
Mr. D. N. Nanda, University of North Carolina.
3. *The Power of Certain Non-Parametric Tests of Independence.*
Dr. Wassily Hoeffding, University of North Carolina.

The second Wednesday morning session was held with Professor Will Feller, President of the Institute, presiding. Professor R. A. Fisher, University of Cambridge, gave the address under the title *The Fitting of Gene Frequencies to Data for Genotypes*. The attendance was approximately 160.

The membership business meeting of the Institute was held at 9:15, Thursday morning, in 102 Chittenden Hall with President Feller presiding. The attendance was approximately 55. It was voted to make certain changes in the By-Laws and in particular to raise the due to \$7.00 per year. (An exception is made for those living outside the Western Hemisphere.) Morris Hansen, Chairman of the Committee on Planning and Development, initiated a lively discussion with reference to desirable changes in the Constitution.

On Thursday morning at 10:30, with President Feller presiding, Professor A. Wald of Columbia University presented the Henry Lewis Rietz Lecture on *Sequential Estimation and Multi-Decisions*. The attendance was approximately 150.

A joint session with the American Mathematical Society was held early Thursday afternoon at which Professor S. S. Wilks of Princeton University gave a lecture on *Sampling Theory of Order Statistics*. Professor Harold Hotelling of the University of North Carolina was the presiding officer. The attendance was approximately 300.

This session was followed by another joint session with the American Mathematical Society which was devoted to contributed papers. Professor John W. Tukey presided at this session and the attendance was approximately 115. The following seven papers were presented:

1. *Some Significance Tests for the Mean Using the Sample Range and Midrange.*
Mr. John Walsh, Princeton University.
 2. *Testing Compound Symmetry in a Normal Multivariate Distribution.*
Dr. David F. Votaw, Jr., Princeton University.
 3. *Effects of Non-Normality at High Significance Levels.* Professor Harold Hotelling, University of North Carolina.
 4. *On the Problem of Similar Regions.*
Dr. Erich L. Lehmann, University of California, Berkeley and Professor Henry Scheffe, University of California at Los Angeles.
 5. *The Fourth Degree Exponential Function.*
Dr. Leo A. Aroian and Professor Marguerite Darkow, Hunter College.
 6. *On the Maximum Partial Sums of Sequences of Independent Distributions.*
Dr. K. L. Chung, Princeton University.
 7. *Some Results on the Distribution of Quadratic Forms from Gaussian Stochastic Processes.*
Mr. Herman Rubin, Cowles Commission.
- The following four papers were presented by title:
8. *A General Weak Limit Theorem for Independent Distributions.*
Professor P. L. Hsu, University of North Carolina.

9. *Some Significance Tests for the Median which are Valid under Very General Conditions* (Preliminary Report).
Mr. John E. Walsh, Princeton University.
10. *Loss of Information in t -tests with Unbalanced Samples* (Preliminary Report).
Mr. John E. Walsh, Princeton University.
11. *Some Theorems on the Bernoullian Multiplicative Process*.
Mr. T. E. Harris, Princeton University.

Abstracts of all these papers appear elsewhere in this issue of the *Annals*.

A beer party in honor of the foreign statisticians attending the meeting was held in the dining room of Saybrook College on Wednesday evening. A joint dinner with the American Mathematical Society and the Mathematical Association of America was held on Thursday evening.

C. C. CRAIG,
Acting Secretary.