

REPORT ON THE NEW YORK MEETING OF THE INSTITUTE

The thirty-eighth meeting of the Institute of Mathematical Statistics was held at Columbia University, New York City on Friday afternoon and Saturday, April 8-9, 1949. The meeting was attended by 93 persons including the following 80 members of the Institute:

A. Abruzzi, T. W. Anderson, Leo A. Aroian, Robert Bechhofer, A. A. Bennett, Joseph Berkson, Allan Birnbaum, C. I. Bliss, Paul Boschan, P. G. Carlson, Uttam Chand, Yunien Chen, E. P. Coleman, T. F. Cope, Jerome Cornfield, L. M. Court, M. I. Cropsen, J. H. Curtiss, Cuthbert Daniel, F. R. Del Priore, W. E. Deming, J. A. Dudman, David Durand, C. W. Dunnett, A. Dvoretzky, P. S. Dwyer, Churchill Eisenhart, H. L. Edgett, Harry Eisenpress, Lillian R. Elveback, D. A. S. Fraser, Murray Geisler, L. A. Goodman, J. I. Griffin, C. C. Grove, E. J. Gumbel, Miriam S. Harold, Mina Haskind, L. H. Herbach, Harold Hotelling, Cuthbert Hurd, Arthur Kaufman, Roger D. Keeney, Paul Koditschek, Carl F. Kossack, Howard Levene, Jack Laderman, I. D. Lorge, C. L. Marks, Paul Meier, Frederick Mosteller, E. B. Mundie, C. M. Mottley, I. U. Mulk, Paul Neurath, G. E. Noether, Doris Newman, M. L. Norden, E. W. Pike, J. K. Perrin, H. M. Rosenblatt, Frank Saidel, William Salkind, F. E. Satterthwaite, Richard Savage, Henry Scheffé, H. L. Seal, Jack Sherman, Rosedith Sitgreaves, J. H. Smith, J. J. Sodano, Herbert Solomon, Mary N. Torrey, J. W. Tukey, S. S. Wilks, D. F. Votaw, Helen M. Walker, Lionel Weiss, Jack Wolfowitz and W. W. Wryht.

The Friday afternoon session consisted of a Symposium on *Applications of Multivariate Analysis*, Professor S. S. Wilks of Princeton University presiding. The following two invited papers were given:

1. *Tests of Differences in Composite Growth Measurements in Pig Feeding Trials*, J. Wishart, Cambridge University and University of North Carolina.
2. *Fields of Application of Multivariate Analysis*, Harold Hotelling, University of North Carolina.

The prepared discussion was presented by Professor S. N. Roy, Presidency College, Calcutta, and Columbia University, followed by discussion from the floor.

The Saturday morning session was opened by a business meeting, Dr. Churchill Eisenhart, National Bureau of Standards, presiding. Among other items of business the Constitution of the Institute was amended to provide for Institutional Membership, and the by-laws amended to specify the status and privileges of Institutional Members. The revised Constitution and By-Laws appear elsewhere in this issue.

The second part of the session, Dr. W. Edwards Deming presiding, was devoted to an invited address: *Non-Linear Regression Laws and "Internal Least Squares,"* by Dr. H. O. Hartley, University College, London and Princeton University.

At the Saturday afternoon session, Professor Henry Scheffé, Columbia Uni-

versity, presiding, the following contributed papers were presented, ten in person, three by title:

1. *Adjustment of an Inverse Matrix Corresponding to a Change in One Element of a Given Matrix.*
Jack Sherman and Winifred J. Morrison, The Texas Company Research Laboratories, Beacon, N. Y.
2. *The Distribution of the Number of Exceedances.*
E. J. Gumbel, New York, N. Y., and H. von Schelling, Naval Research Laboratory, New London, Connecticut.
3. *Note on the Power Function of a Quality Control Chart.*
Leo A. Aroian, Hunter College.
4. *Tests between Two Means or Regression Coefficients When Observations Are of Unequal Precision.*
Uttam Chand, University of North Carolina.
5. *Functional Expansions.*
Eugene W. Pike, Boston, Massachusetts.
6. *The Geometric Range for Distributions of Cauchy's Type.*
E. J. Gumbel, New York, N. Y., and R. D. Keeney, Metropolitan Life Insurance Company, New York, N. Y.
7. *On Sums of Random Integers Reduced Modulo m .*
A. Dvoretzky, Hebrew University, Jerusalem, and Institute for Advanced Study, and J. Wolfowitz, Columbia University.
8. *The Corpuscle Problem: Estimating the Surface-Volume Ratio of a Corpuscle of Arbitrary Shape.*
Jerome Cornfield, National Institute of Health, and Harold W. Chalkey, National Cancer Institute, Bethesda, Maryland.
9. *Generalized Hit Probabilities with a Gaussian Target.*
D. A. S. Fraser, Princeton University.
10. *A New Continuous Sampling Inspection Plan Based on an Analysis of Costs.*
F. E. Satterthwaite, General Electric Company, Bridgeport, Connecticut.
11. *On Levels of Significance of the F and Beta Distributions.* (By title)
Leo A. Aroian, Hunter College.
12. *Certain Statistics for Samples of 3 from a Rectangular Distribution.* (By title)
Julius Lieblein, Statistical Engineering Laboratory, National Bureau of Standards.
13. *The Choice of Lot Inspection Plans on the Basis of Cost.* (By title)
F. E. Satterthwaite and Burton Grad, General Electric Company, Bridgeport, Connecticut.

On Friday evening a dinner was held at the Men's Faculty Club.

S. B. LITTAUER
Assistant Secretary