

2. *Quasi-ranges of Samples from an Exponential Distribution*, P. R. RIDER, Wright Air Development Center.
3. *Asymptotic Rate of Discrimination for Markov Processes*, L. H. KOOPMANS, Sandia Corporation.
4. *Distribution of a Quadratic Form in Three Variables*, A. G. LAURENT, Wayne State University.
5. *On Exponentially-Mapped-Past Statistical Variables* (Preliminary Report), J. OTTERMAN, The University of Michigan, introduced by the Chairman.
6. *Simultaneous Comparison of the Optimun and Sign Tests of a Normal Mean*, R. R. BAHADUR, Indian Statistical Institute, Calcutta (By title).
7. *Some Estimates of the Binomial Distribution Function*, R. R. BAHADUR, Indian Statistical Institute (By title).
8. *Distribution-free and Non Parametric Tolerance Regions: The Exponential Case* (Preliminary Report), L. A. GOODMAN, The University of Chicago, AND A. MADANSKY, The Rand Corporation, (By title).
9. *Bayesian Lot-by-Lot Sampling Inspection*, H. B. EISENBERG, Iowa State College (By title).
10. *Combining Inter-Block and Intra-Block Information in Balanced Incomplete Block Designs*, F. A. GRAYBILL AND D. L. WEEKS, Oklahoma State University (By title).
11. *Minimal Sufficient Statistics in Incomplete Block Designs, Model II*, D. L. WEEKS AND F. A. GRAYBILL, Oklahoma State University (By title).
12. *Some Theorems Concerning Eisenhart's Model II*, F. A. GRAYBILL AND R. HULTQUIST, Oklahoma State University (By title).

2:00-3:20 p.m. Invited Papers on Markov Processes and Random Sequences

Chairman: PAUL MINTON, Southern Methodist University.

1. *Some Problems on the Consolidation of States of a Markov Process*, MURRAY ROSENBLATT, Indiana University.
2. *The Serial and Gap Tests for Random Sequences*, EVE BOFINGER AND V. J. BOFINGER, Institute of Statistics, North Carolina State College.

SATURDAY, APRIL 4, 1959

9:00-10:30 a.m. Invited Papers on Statistical Procedures which depend on High Speed Computers. Joint meeting with A.C.M.

Chairman: FRED C. LEONE, Case Institute of Technology.

1. *The Reciprocal Impact Between Statistics and Computers*, JACK MOSHMAN, Corporation for Economic and Industrial Research.
2. *Non-linear Estimation Procedures and Sampling Designs Procedures*, MERVIN MULLER, Princeton University, and IBM.

J. SILBER
Associate Secretary

PUBLICATIONS RECEIVED

- ARROW, K. I., HURWICZ, LEONID, AND UZAWA, HIROFUMI, *Studies in Linear and Non-linear Programming*; Stanford University Press, Stanford, California; December, 1958, \$7.50, 229 pp.
- COGAN, E. J., KEMENY, J. G., NORMAN, R. Z., SNELL, J. L., THOMPSON, G. L., *Modern Mathematical Methods and Models, Volume II* (A Book of Experimental Test Materials),

- under the direction of the Committee on the Undergraduate Program, Mathematical Association of America, 1958, 313 pp.
- FISZ, MAREK, *Wahrscheinlichkeitsrechnung und Mathematische Statistik*, Veb Deutscher Verlag der Wissenschaften, Berlin, 1958, 528 pp. (translation from the Second Polish Edition).
- GUMBEL, EMIL J., *Statistics of Extremes*; Columbia University Press, 2960 Broadway, New York 27; October, 1958, \$15.00, 375 pp.
- MARCHANT, R., "La Compensation des Mesures Surabondantes," *Institut Géographique Militaire*, 2 Allée du Cloître, Bruxelles, 1956, 149 pp.
- United Nations, *Yearbook of International Trade Statistics 1957, Volume I*, prepared by the Statistical Office of the United Nations, Department of Economic and Social Affairs, New York (distributed by Columbia University Press, 2960 Broadway, New York 27), 1958, \$6.00, 622 pp.