

6. "On a Generalization of Balanced Incomplete Block Designs," J. N. SRIVASTAVA AND S. N. ROY, University of North Carolina.
7. "Partially Balanced Arrays," I. M. CHAKRAVARTI, University of North Carolina and Indian Statistical Institute (Introduced by David B. Duncan).
8. "Multi-Stage Bayesian Lot-by-Lot Sampling Inspection," HERBERT B. EISENBERG, System Development Corporation (Introduced by Herbert T. David).

### SATURDAY, APRIL 23, 1960

#### 9:00-10:00 a.m.—Contributed Papers IV

Chairman: D. B. DUNCAN, University of North Carolina.

1. "Maximum Likelihood Characterization of the Normal Distribution," HENRY TEICHER, Purdue University.
2. "Invariant Bayes Rules (Preliminary Report), MORRIS SKIBINSKY AND KENZO SEO, Purdue University.
3. "A Central Limit Theorem for Systems of Regressions," EDWARD J. HANNAN, University of North Carolina (Introduced by David B. Duncan).
4. "Some Results on Error Correcting Non-Binary Codes," D. K. RAY-CHAUDHURI, Case Institute of Technology.

#### 10:00-11:00 a.m.—Invited Address

Chairman: SEBASTIAN LITTAUER, Columbia University.

1. "Sampling Inspection, Prior Distributions and Cost," A. HALD, University of Copenhagen and Princeton University.

#### 11:00-1:00 p.m.—Selected Topics II

Chairman: J. WOLFOWITZ, Cornell University.

1. "Estimation of the Correlation of Non-Stationary Random Functions," J. KAMPÉ DE FERIET, University of Lille and Harvard University.
2. "Statistical Sufficiency and the Foundations of Thermodynamics," B. MANDELBROT, IBM Research Center.
3. "Markov Renewal Processes of Zero Order," RONALD PYKE, Columbia University.

#### Contributed Papers Presented by Title

1. "Transition Probabilities for Telephone Traffic," V. E. BENEŠ, Bell Telephone Laboratories and Dartmouth College.
2. "A Representation of the Bivariate Cauchy Distribution," THOMAS S. FERGUSON, U.C.L.A. and Princeton University.
3. "On Two Methods of Unbiased Ratio and Regression Estimation," W. H. WILLIAMS, McMaster University, Ontario.
4. "A Generalization of a Theorem of Balakrishnan," N. DONALD YLVIKAKER, Columbia University.
5. "An Inequality for Balanced Incomplete Block Designs," W. F. MIKHAIL, University of North Carolina.

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#### PUBLICATIONS RECEIVED

*Annuario Estadístico de España*, Edición Manual, Presidencia del Gobierno, Instituto Nacional de Estadística, Ferraz 41, Madrid, Spain, 1960, 1001 pp.