

## NEWS AND NOTICES

*Readers are invited to submit to the Treasurer of the Institute items of interest*

### Personal Items

Dr. M. Atiqullah, formerly Director of the Institute of Statistical Research and Training, University of Dacca, is now Professor of Statistics at the University of Karachi.

John J. Gart was recently appointed head of the Mathematical Statistics and Applied Mathematics Section in the Biometry Branch of the National Cancer Institute.

Marcel F. Neuts has been promoted to Professor of Mathematics and Statistics at Purdue University as of July 1, 1968.

Gottfried E. Noether has resigned his position at Boston University in order to accept appointment as Professor of Statistics and Head of the Department of Statistics and Head of the Department of Statistics, The University of Connecticut

Vernon E. Palmour, formerly with The Center For Naval Analyses, has joined the staff of Westat Research, Inc. in Bethesda, Maryland as a Senior Research Analyst.

Prem S. Puri has been promoted to Associate Professor of Mathematics and Statistics at Purdue University.

J. K. Wani has been promoted to the rank of Associate Professor in the Department of Mathematics, Saint Mary's University, Halifax, Canada. The promotion will take effect at the beginning of the academic year 1968-69.

M. T. Wasan has been promoted to Professor in the Department of Mathematics, Queen's University, Kingston, Ontario.

### New Members

**Adenstedt, Rolf K.**, Ph.D., (Brown University); Assistant Professor, Division of Applied Mathematics, Brown University.

**Alessi, George H.**, M.S., (Florida State University); Graduate Student, Department of Statistics, Florida State University.

**Anderson, Gary D.**, M.S., (University of Washington); Graduate Student, Department of Biostatistics, University of Washington.

**Bleymüller, Josef**, Ph.D., (Universität Münster); Direktor des Instituts für Ökonometrie und Wirtschaftsstatistik, Universität Münster.

**Bremner, John Michael**, M.S., (University of Wales); Research Student, Department of Statistics, University of Kent at Caterbury.

**Briggs, Vera D.**, M.A., (University of Massachusetts); Graduate Student, Department of Mathematics, University of California, Riverside.

**Brown, Donald E.**, B.S., (Syracuse University); Graduate Student, Syracuse University.

- Chang, Tseng Chi**, M.S., (Purdue University); Graduate Student, Purdue University.
- Clopper, Samuel E., Jr.**; Student, Buckell University.
- Davidson, Roger R.**, Ph.D., (Florida State University); Assistant Professor, Department of Mathematics, University of Victoria, British Columbia.
- Dion, Jean-Pierre**, B.S., (Université de Montreal); Graduate Student, Department de Mathematiques, Université de Montreal.
- Fears, Thomas R.**, M.A., (University of Illinois); Graduate Student, Statistical Laboratory, Iowa State University.
- Feustel, Edward Alvin**, Ph.D., (Princeton University); Assistant Professor, Department of Electrical Engineering, Rice University.
- Flora, Jairus D., Jr.**, M.S., (Florida State University); Graduate Student, Department of Statistics, Florida State University.
- Gabrielsen, Arne**, Exam. Oecon., (University of Oslo); Research Assistant, University of Oslo.
- Goldman, Joel**, M.S., (Cornell University); Graduate Student, Cornell University.
- Goode, Jamie J.**, Ph.D., (University of North Carolina); Associate Professor, Department of Mathematics, Georgia Institute of Technology.
- Gross, Shulamith, T.**, Ph.D., (University of California, Berkeley); Instructor, Department of Statistics, Harvard University.
- Hajian, Gerald**, M.S., (Rutgers-The State University); Graduate Student, Columbia University.
- Hamedani, Garagoz G.**, B.S., (University of Tehran); Graduate Student, Department of Statistics, Michigan State University.
- Harris, James G.**, M.S., (University of California); Graduate Student, Syracuse University.
- Hermans, Jo**, M.S., (University of Amsterdam); Statistician, Institute for the Application of Mathematics, University of Amsterdam.
- Huff, Barthel W.**, M.A., (Sacramento State College); Graduate Student, Department of Mathematics, University of California, Riverside.
- Huxham, Samuel H.**, B.Sc., (University of New South Wales); Research Scholar, School of Mathematics, University of New South Wales.
- Hwan, Marilyn May**, A.B., (University of California, Berkeley); Mathematician, Stanford Linear Accelerator Center.
- Jacobsen, Martin**, Cand. Stat., (Copenhagen University); Institute of Mathematical Statistics, University of Copenhagen.
- Jensen, Louis**, M.S., (Iowa State University); Graduate Student, Statistical Laboratory, Iowa State University.
- Kane, Norman M.**, B.E.E., (City College of New York); Systems Analyst, Planning Research Corporation, Washington, D. C.
- Karlinsey, Kurtlee James, Jr.**, M.S., (Brigham Young University); Graduate Student, Department of Electrical Engineering, University of Utah.
- Kassof, Mark H.**, B.S., (Colorado State University); Graduate Student, Department of Mathematics and Statistics, Colorado State University.

- Kelker, Douglas H.**, M.A., (University of Oregon); Assistant Professor, Department of Statistics and Probability, Michigan State University.
- Kitayama, Naoki**, M.S., (Tokyo University); Economic Affairs Officer, Statistics Division, Economic Commission for Asia and the Far East (United Nations), Bangkok.
- Klass, Winston C.**, M.S., (University of Toronto); Graduate Student, Department of Mathematics, University of Toronto.
- Kowalski, Charles J.**, M.S., (Michigan State University); Graduate Student, Department of Biostatistics, University of Michigan.
- Krishnan, P.**, M.S., (University of Kerala); Graduate Student, International Population Program, Cornell University.
- Kurtz, Thomas G.**, Ph.D., (Stanford University); Visiting Lecturer, Department of Mathematics, University of Wisconsin.
- Moore, Albert Harrison**, M.S., (New York University); Associate Professor of Mathematics, Air Force Institute of Technology, School of Engineering, Wright-Patterson Air Force Base.
- Narasimham, Tata**, M.S., (Indian Statistical Institute); Senior Scientific Officer, The Ahmedabad Textile Industry's Research Association.
- Negi, Gajai Singh**, M.S., (Agra University); Research Officer-in-Charge of the Statistical Branch of the Forest Research Institute, Ministry of Food and Agriculture, Dehra Dun.
- Nevius, S. Edward**, B.A., (University of Kansas); Graduate Student, Department of Statistics, Kansas State University.
- Nivat, Paule Bettan**, Agregation des Sciences Mathematiques, (Université de Paris); Assistant Professor, University of Rennes.
- O'Reilly, Neville Ernest**, B.Sc., (University of Natal, South Africa); Graduate Student, Columbia University.
- Park, Chong Jin**, Ph.D., (University of Wisconsin); Assistant Professor, Department of Mathematics, University of Nebraska.
- Passi, Ranjit M.**, M.A., (Panjab University); Graduate Student, Department of Mathematics and Statistics, Colorado State University.
- Pirie, Walter R.**, M.A., (University of Toronto); Graduate Student, Department of Statistics, Florida State University.
- Ratcliff, Douglas**, B.Sc., (University of Adelaide); Graduate Student, Flinders University of South Australia.
- Ricardi, Mayo O.**, Ph.D., (U.N.B.A.); Chief Advisers Economic Staff, Sociedad Rural Argentina, Buenos Aires.
- Schweder, Tore**, Cand. Mag., (University of Oslo); Vitenshapelig Assistent, University of Oslo.
- Serfozo, Richard F.**, M.A., (University of Washington); Graduate Student, Northwestern University.
- Shaughnessy, Peter W.**, M.A., (The Catholic University of America); Graduate Student, The Catholic University of America.
- Sklansky, Jack**, D.Sc.Eng., (Columbia University); Associate Professor, University of California, Irvine.

- Slowikowski, William F.**, M.S., (Florida State University); Associate Engineer, Illinois Institute of Technology Research Institute, Annapolis.
- Smid, Lucas J.**, Ph.D.; Professor, University of Groningen.
- Swinsky, Gregor W.**, M.S., (Marquette University); Graduate Student, The Catholic University of America.
- Topsoe, Flemming**, M.S., (University of Arhus); Amanuensis, Mathematical Institute, University of Copenhagen.
- Weissner, Edward W.**, M.A., (University of Wisconsin); Graduate Student, Department of Statistics, University of North Carolina.

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### MATHEMATICAL TABLES OF THE IMS

The Committee on Mathematical Tables of the Institute of Mathematical Statistics has been considering the problems of publication of tables useful for statisticians for many years. After several unsuccessful attempts to get government funding for a series, commercial publishers were asked for their interest in such a project. Two publishers submitted proposed contracts, and one will be selected shortly. The contract will be with the Institute of Mathematical Statistics and specifies that the authors will prepare copy ready for camera. Nothing will be set in print by the publisher.

Authors having tables which they wish to submit to the series should send two copies to

Dr. H. Leon Harter, Co-editor  
Aerospace Research Laboratories  
Wright-Patterson Air Force Base  
Ohio 45433

One additional copy should be sent to

Dr. D. B. Owen, Co-editor  
Department of Statistics  
Southern Methodist University  
Dallas, Texas 75222

Additional copies may also be required.

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### REPORT ON THE 1968 EASTERN REGIONAL MEETING OF THE INSTITUTE OF MATHEMATICAL STATISTICS

The one-hundred-eighteenth meeting of the Institute of the Mathematical Statistics was held at the Virginia Polytechnic Institute, Blacksburg, Virginia, on April 8-10, 1968 in conjunction with meetings of the Biometric Society, Eastern North American Region, and the American Statistical Society, Section on Physical and Engineering Sciences, and the Biometrics Section.

One hundred eleven members of the institute attended the meetings.

**PROGRAM**

Monday, April 8, 1968

**9:00 a.m.—11:00 a.m.—Invited Papers I**

Chairman: J. SNELL, Dartmouth College

1. *On So-called Complete Convergence of Partial Sums of Random Variables*, W. L. SMITH, University of North Carolina.
2. *Recent Results in Martingale Theory*, R. GUNDY, Rutgers—The State University.
3. *Characterization of Some Probability Distributions*, V. SESHADRI, McGill University.

**9:00 a.m.—10:20 a.m.—Contributed Papers I**

Chairman: K. DANIEL, University of Maryland

1. *Exact Confidence Intervals for the Scale Parameter of the Exponential Distribution Based on Optimally Chosen Order Statistics (Preliminary Report)*, K. KAMINSKY, Rutgers—The State University.
2. *The Non-Central Distribution of Range and Studentized Range in Normal Samples*, P. LACHENBRUCH and H. A. DAVID, University of North Carolina.
3. *Asymptotic Expansions of the Power Functions of the Likelihood Ratio Tests for Multivariate Linear Hypothesis and Independence*, N. SUGIURA, Hiroshima University.
4. *A Bivariate Weibull Distribution*, L. TATKONDA, Louisiana State University.
5. *Berry-Type Bounds on Test Size*, R. BOHRER, Research Triangle Institute.

**1:00 p.m.—2:50 p.m.—Invited Papers II**

Chairman: J. WILKINSON, Rensselaer Polytechnic Institute

1. *Methods for Reduction of Dimensionality in Multivariate Data*, R. GNANADESIKAN and M. B. WILK, Bell Telephone Laboratories.
2. *Obtaining Confidence Intervals Directly from the Likelihood Function*, D. HUDSON, Bell Telephone Laboratories.
3. *Multiple Comparisons of Multi-Response Growth Curves*, P. R. KRISHNAIAH, Aerospace Research Laboratories.

**1:00 p.m.—2:20 p.m.—Contributed Papers II**

Chairman: W. A. THOMPSON, JR., Florida State University

1. *A Contribution to a Detection Problem (Preliminary Report)*, K. DANIEL, University of Maryland.
2. *Some Infinitely Divisible Discrete Distributions (Preliminary Report)*, S. KATTI and W. WARDE, Florida State University.
3. *Surveillance of a Poisson Production Process Under Monotone Failure Rate Average Breakdown (Preliminary Report)*, J. PATEL, Louisiana State University, New Orleans.
4. *A Characterization of the  $\epsilon$ ,  $\delta$ -Topology in Random Normed Spaces*, B. PROCHASKA, Clemson University.
5. *On the Distribution of the Maximum of a Semi-Markov Process*, L. STONE, Daniel H. Wagner, Associates.

**3:00 p.m.—5:00 p.m.—Invited Papers III**

Chairman: J. GILBERT, Harvard University

1. *The Use of Iverson's Language APL for Statistical Computing*, F. ANSCOMBE, Yale University.

2. *COSMOS: Console Oriented Statistical Matrix Operator System*, M. SCHATZOF, IBM and Yale University.
3. *Error Analysis with Few Assumptions*, J. HARTIGAN, Princeton University.

Tuesday, April 9, 1968

9:00 a.m.—11:00 a.m.—Biometric Society Special Lecture

Chairman: C. KRAMER, Virginia Polytechnic Institute

*Some Examples of Statistical and Scientific Inference*, I. J. GOOD, Virginia Polytechnic Institute.

Discussants: F. ANSCOMBE, Yale University

I. BROSS, Roswell Park Memorial Institute

1:00 p.m.—2:50 p.m.—Invited Papers IV

Chairman: J. NADLER, Bell Telephone Laboratories

1. *On Optimal Stopping Rules for  $X_n/n$ , the I.I.D. Case*, Y. S. CHOW and A. DVORETZKY, Purdue University and Hebrew University.
2. *Some Bayesian Results for a Two-Stage Sampling Problem*, A. SCHLEIFER, JR., Harvard University.
3. *On Sequential Fixed-Width Confidence Intervals for the Mean*, N. STARR and M. WOODROOFE, Carnegie-Mellon University.

3:00 p.m.—5:00 p.m.—Invited Papers V

Chairman: B. HARSHBARGER, Virginia Polytechnic Institute

1. *Time Series Modelling*, E. PARZEN, Stanford University.
2. *On the Reduction of Congestion*, B. CONOLLY, Virginia Polytechnic Institute.
3. *Branching Processes in Random Environments*, W. WILKINSON, Duke University.

Wednesday, April 10, 1968

9:00 a.m.—11:00 a.m.—Invited Papers VI

Chairman: D. HILDEBRAND, University of Pennsylvania

1. *Non-standard Order-Statistics*, C. MALLOWS, Bell Telephone Laboratories.
2. *Bayesian Inference for Finite Populations*, W. ERICSON, University of Michigan.
3. *Incomplete Block Designs Based on Hermitian Varieties*, I. M. CHAKRAVARTI, University of North Carolina.

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### PUBLICATIONS RECEIVED

- BAKER, C. C. T. (1967). *Introduction to Trigonometry*. Philosophical Library, Inc., New York. xi + 166 pp. \$6.00.
- BEVAN, J. M. (1968). *Introduction to Statistics*. Philosophical Library, Inc., New York. vii + 220 pp. \$6.00.
- BLACKWELL, W. A. (1968). *Mathematical Modeling of Physical Networks*. Macmillan Company, New York. xvi + 481 pp. \$12.95.