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# Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION

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## NEWSLETTER - MAY 1974

May 8 - Annual Dinner  
May 16 - Modern Techniques of Statistical Time Series Analysis

### ANNUAL DINNER

Professor Frederick Mosteller  
Harvard University

"Social Experimentation: Public Policy and Public Attitudes"

Our society will probably need and demand far more social experiments in the future than it has had in the past. Genuine control field studies, not merely innovations whose results are observed, will be required. Dr. Mosteller will review some of our experience with controlled field studies in the social and medical fields. These results suggest some attitudes and policies our society may wish to cultivate.

When and Where: Wednesday, May 8, New Presidential Arms, 1320 G Street, N.W., 2nd Floor. 6 p.m. (Coctails), 7:30 p.m. (Dinner). Price of dinner is \$7.00, includes tax and tip. Cash bar. The dinner is open to members and nonmembers. For the usual local fee, attendees should find convenient parking near the New Presidential Arms.

Please complete the reservation form below and mail to reach Jim Harte by May 6. We would appreciate your sending the reservation as soon as possible or notifying Mr. Harte by telephone if you plan to attend. Please call 964-8575 or government code 184-8575.

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James Harte, Statistics Division PR:S:SP, Internal Revenue Service, Room 305, 12th & E Streets, N.W., Washington, D.C. 20224.

Please reserve \_\_\_\_\_ tickets for the Annual Dinner, May 8.  
Name \_\_\_\_\_; Agency \_\_\_\_\_; Phone \_\_\_\_\_

(Make check payable to Washington Statistical Society)

PHYSICAL SCIENCE AND ENGINEERING PROGRAM

Topic: Modern Techniques of Statistical Time Series Analysis

Speaker: Howard J. Hoffman, National Institute of Child Health and Human Development, National Institutes of Health

Chairman: James J. Filliben, Statistical Engineering Laboratory, National Bureau of Standards

Modern techniques of time series analysis which have application to real-life stochastic data have been made possible by the recent introduction of the Fast Fourier Transform. The time series techniques based on this algorithm include 1) modified periodogram estimation, 2) rapid calculation of the autocorrelation function, and 3) new approaches to band-pass filtering and complex demodulation calculations. The advantages of these techniques in carrying out the analysis of properly acquired time series data will be discussed and illustrated on actual data.

When and Where: Thursday, May 16, 11:00 a.m., National Bureau of Standards, Green Auditorium, Administration Building, Gaithersburg, Maryland.

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Proceedings of Methodology Discussion on Estimating Sampling Errors.

The Washington Statistical Society can now make available on request copies of the proceedings of a Methodology Discussion held June 22, 1973 on "Estimating Sampling Errors in Some Specific Restricted Sample Designs, and other Related Topics." Problems were presented by Beulah Mathis, Internal Revenue Service and Dwight B. Broek, National Center for Health Statistics. Panelists were W. Edwards Deming, Consultant and Ralph S. Woodruff, Bureau of the Census. The moderator was Edward C. Bryant, Westat, Inc.

Reproduction and distribution is being made through the courtesy of the Bureau of the Census. Written requests should be addressed to Marie D. Seal, Bureau of the Census, Statistical Research Division, Suitland, Maryland 20233.

Agricultural Statistics Committee. The Board of Directors at its last meeting voted to establish a program committee for Agricultural Statistics. William E. Kibler of the Statistical Reporting Service in Agriculture has agreed to serve as Chairman. The committee will become active at the start of the new program year, beginning July 1.

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Revision of the WSS Constitution. A committee of the WSS has been established to recommend a revision of the Chapter's Constitution and also recommend a set of By-laws, following the revision of the ASA Constitution and By-laws. Margaret Martin has agreed to chair the committee. Ben Tepping and Theodore Woolsey will serve as additional members. Society members are encouraged to send suggestions and comments to Margaret E. Martin, Committee on National Statistics, NAS-NRC, 2101 Connecticut Avenue, N.W., Washington, D.C. 20418.

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Caucus for Women in Statistics. The Caucus for Women in Statistics invites all members of the WSS, both men and women, who are interested in professional conditions that give everyone a fair chance in terms of ability to do a job to join the Caucus. If you would like to join the Caucus, please send \$2.00 to Miss Regina Loewenstein, 165 West End Avenue, New York, New York 10023. You will then be entitled to receive the Caucus newsletter and participate in the activities of the Caucus.

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Statistician vis-a-vis the Press. A graduate student research team under the direction of Dr. Jack E. Orwant of American University is studying the problems of communicating statistical information to the public through the press.

The project has recently gotten underway, and the researchers need tips, opinions, contacts, and encouragement. Call Dr. Orwant at 686-2436, or write him in care of Department of Communication, American University, Mass. & Nebr. N.W., Washington, D.C. 20016.

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WORC Annual Banquet Features Dr. Saul Gass. The annual banquet for WORC members and friends will be conducted on Wednesday, May 22, 1974 at the Empress Restaurant, 1018 Vermont Avenue, N.W., Washington, D.C. Following cocktails at 7:00 p.m. and dinner at 7:30 p.m., Dr. Saul I. Gass of Mathematica, Inc., will discuss "What You Always Wanted to Know About the Use of Models in Government--and Why You Should be Afraid to Ask." The meeting is open to the public, but reservations will be required. Call Dr. Larry Weiner, 767-2003, or Jack Walker, 296-5000, prior to noon on May 20, 1974. Parking is available at Vermont Avenue and L Street near the restaurant. The cost will be \$15.00 per couple or \$7.50 for individual WORC members, or \$8.50 per person for nonmembers.

(Over)

JOB OPENINGS

U.S. Postal Service

The Office of Statistical Programs & Standards has several position openings in the field of Statistics and Operations Research. Annual salary range is \$14,000-\$26,000 and is competitive with civil service positions. Individuals would be part of a group coping with challenging problems. Applicants should have at least a master's degree and a background in some combination of the following: sampling theory and methodology, operations research, system development and simulation, distribution theory, applied statistics, and computer programming and operations. Send resume to:

U.S. Postal Service Headquarters  
Office of Statistical Programs and Standards  
ATTN: Dr. Jatinder N.D. Gupta, Manager  
Statistical Systems Requirements Division  
Room 4124  
475 L'Enfant Plaza West, S.W.  
Washington, D.C. 20260

The Office of Rates and Classification is recruiting for a Manager of Cost Analysis to develop, analyze and interpret costs for the preparation of rate proposals. The position requires substantial first-line cost study experience preferably in a public utility or transportation organizations or in a regulatory Government agency. In addition, the job demands a working knowledge of economics, statistics, and/or accounting at the graduate level. Salary up to \$32,000, depending on qualifications and experience. Submit detailed resume and salary history in confidence to:

Mrs. Marie G. Schrepel  
Executive Recruiter  
Recruitment Division  
Room 9722  
U.S. Postal Service  
475 L'Enfant Plaza West, S.W.  
Washington, D.C. 20260

District of Columbia Government

Director, Division of Crime Analysis. Position is a GS-14 (\$24,247-\$31,519) and is located in the Office of Criminal Justice Plans and Analysis, within the Executive Office of the Mayor. This office is responsible for 1) developing a comprehensive criminal justice

information program; 2) assisting operating agencies in building a computerized statistical information system; 3) developing a criminal justice statistical reporting program; 4) developing an applied research and evaluation program, including surveys and analyses.

Incumbent must have requisite training and experience in information systems and computer technology, criminal justice data, and research methodology and analytical statistics.

The position is in that part of the D.C. civil service system which is identical with that of the Federal Government. Salary, in-grades, retirement and all fringe benefits are the same. Persons with Federal tenure can move freely between District and Federal agencies, and service in the District is part of the person's total Federal career service. Send resume or Form SF 171 to:

Benjamin H. Renshaw, Director  
Office of Criminal Justice Plans and Analysis  
Government of the District of Columbia  
Munsey Building -- Suite 200  
1329 E Street, N.W.  
Washington, D.C. 20004

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JOB APPLICANTS

Listed below are brief descriptions of the qualifications of individuals submitting an application seeking employment. Any employer interested in interviewing the applicant should notify Marie D. Eldridge of their interest by Code Number. The notification should be by mail and should include the employer's name, organization and telephone number. The employee will be notified of the employer's interest and initiation of any further contact will be left to the applicant. All contacts will be confidential. Mrs. Eldridge's address is: Acting Director, Office of Accident Investigation and Data Analysis, Research Institute, National Highway Traffic Safety Administration, U.S. Department of Transportation, Room 5125, Washington, D.C. 20590.

Code Number

Applicant

129-2-4	(1) A.B. Math. (honors), Diploma Aerospace, Ph.D. Ed. 1973; (2) Discriminant analysis, systems analysis, analysis of variance, regression analysis, statistical and mathematical analysis, math. modeling; (3) Systems analysis, PERT networking, math. teaching and lecturing in statistics and aerospace have covered a span of over 21 years; (4) GS-13; (5) Government, Washington metropolitan area.
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(Over)

<u>Code Number</u>	<u>Applicant</u>
135-4-4	(1) B.A. (International Rel. & Econ.), M.A. (Economics & Statistics); Completed courses toward Ph.D. in Economics; (2) Financial and quantitative economics, statistical and econometric methods, micro-macroeconomics; (3) Four years Economist (econometrics), mineral resources; 8 years Statistician in financial markets and industry evaluation; and 3 years as Financial Analyst; (4) GS-13 or equivalent; (5) Washington metropolitan area.
136-4-4	(1) B.A. (Economics), M.A. (Economics), M.S. (Statistics), Ph.D. (Statistics) expected 1974; (2) Design and analysis of sample surveys, regression analysis, decision analysis, etc.; (3) One year; (4) Open; (5) Private industry, teaching; No preference to location.
137-4-4	(1) B.S. (Math.), M.S. (Applied Math.), working on Ph.D. dissertation (Mathematical Statistics); (2) Biostatistics, statistical programming; (3) One and one-half years biostatistics and clinical trials, 3 1/2 years systems engineering, computer models; (4) GS-12; (5) Government or private industry Washington metropolitan area.

CODE: (1) Education  
(2) Fields of Competence  
(3) Years of Experience  
(4) Salary or GS level requirement  
(5) Type of employment and geographic area