

# Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION

W.S.S. Newsletter—April 1981

## Calendar

### W.S.S.-Sponsored:

**Topic:** Findings from the National Health Care Expenditures Study  
**Speakers:** Gail R. Wilensky and Daniel C. Walden, National Center for Health Services Research, Department of Health and Human Services  
**Date and Time:** Thursday, April 9, 1981, 12:00 - 1:30 p.m.  
**Location:** Room 10-53, Federal Building 2, Prince Georges Plaza, 3700 East-West Highway, Hyattsville, MD

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**Topic:** Software Reliability Growth Modeling  
**Speaker:** Professor Bev Littlewood, The City University, London, England; Currently visiting The George Washington University  
**Date and Time:** Wednesday, April 15, 1981, 12:30 - 1:30 p.m.  
**Location:** Tompkins Hall of Engineering, Room 308, 725 23rd St., N.W., Between G & H Sts., The George Washington University

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**Topic:** Personal Computers and the Statistician  
**Speakers:** David Morganstein, WESTAT, Inc.; Ernest Forman, The George Washington University  
**Date and Time:** Tuesday, April 21, 1981, 3:30 - 6:00 p.m.  
**Location:** Room B04, Hall of Government, The George Washington University, 710 21st St., N.W., (21st & G Sts.)

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**Topic:** Social Indicators and Social Reporting  
**Speakers:** Denis F. Johnston, Center for Demographic Studies, Bureau of the Census—“*Social Indicators III* and Vol. 453 of *The Annals*”; Roberta Balstad Miller, Center for Coordination of Research on Social Indicators, Social Science Research Council, “Alternative Models of Social Reporting: An International Perspective”; Richard C. Rockwell, Center for Coordination of Research on Social Indicators, Social Science Research Council, “Recommendations of the President’s Commission for a National Agenda for the Eighties: Implications for Social Reporting.”  
**Date and Time:** Thursday, April 23, 1981, 12:30 - 2:00 p.m.  
**Location:** Federal Building (Old Post Office Building), 12th & Pennsylvania Ave., N.W., Room 3000A

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**Topic:** On the Estimation of the Correlation Coefficient from Grouped Data  
**Speaker:** Nancy L. Spruill, Center for Naval Analyses  
**Date and Time:** Tuesday, April 28, 1981, 12:30 - 2:00 p.m.  
**Location:** The George Washington University, Room 307, Building C, 2201 G Street, N.W.

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### Other Sponsors:

**Topic:** Statistics of Income—1977, Sole Proprietorship Returns; and Statistics of Income—1977, Partnership Returns  
**Speakers:** Ray Wolfe and Bill Mudd  
**Sponsor:** Internal Revenue Service, Statistics Division  
**Date and Time:** Monday, April 20, 1981, 1:00 - 2:00 p.m.  
**Location:** 1201 E Street, N.W., Room 806B

DETAILED INFORMATION ON THE MEETINGS

Topic: Findings from the National Health Care Expenditures Study
Speakers: Gail R. Wilensky and Daniel C. Walden, National Center for Health Services Research, Department of Health and Human Services
Abstract: In this session, both findings from substantive and methodological research will be presented. These include a discussion of changes in participation in the Medicaid program and the effect of supplier induced demand on the use of ambulatory physician services. In addition, two reports from Research Triangle Institute, the data collection contractor, will be summarized with respect to findings on the correlation of household reported diagnosis from the household survey with that reported by the physicians in the medical provider survey for the same visit and to findings on the number of visits reported that were not reported in the household survey.

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Topic: Software Reliability Growth Modeling
Co-Sponsor: The George Washington University Operations Research Department, co-sponsored with the Physical Sciences and Engineering Department
Speaker: Professor Bev Littlewood, The City University, London, England; Currently visiting The George Washington University
Chair: Marvin Denicoff, Office of Naval Research
Abstract: What special properties characterize the growth in reliability which takes place during debugging of a computer program? Two simple early software reliability models will be described and a comparison made in their ability to analyze some real software failure data sets. A brief description will be given of some new work which promises to be superior to these older models.

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Topic: Personal Computers and the Statistician
Speakers: David Morganstein, WESTAT, Inc.; Ernest Forman, The George Washington University
Chair: Jim Carpenter, Bureau of Labor Statistics
Abstract: The era of the affordable personal computer is here. Many statisticians are wondering about the opportunities for statistical power and computing. David Morganstein will discuss the general capabilities and limitations of micro computers with emphasis on statistics and survey applications. Ernie Forman will demonstrate multiple and forward regressions, transformation of variables and plotting residuals. Demonstrations will use an Apple II with a large screen Advent monitor and several small monitors so all can see.

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Topic: Social Indicators and Social Reporting
Speakers: Denis F. Johnston, Center for Demographic Studies, Bureau of the Census; Roberta Balstad Miller and Richard C. Rockwell, Center for Coordination of Research on Social Indicators, Social Science Research Council

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Topic: On the Estimation of the Correlation Coefficient from Grouped Data
Speaker: Nancy L. Spruill, Center for Naval Analyses
Chair: Joseph L. Gastwirth, The George Washington University
Discussants: Lynne Stokes, Bureau of the Census; Donald B. Rubin, Datametrics Research

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Topic: Statistics of Income-1977, Sole Proprietorship Returns; and Statistics of Income-1977, Partnership Returns
Sponsor: Internal Revenue Service, Statistics Division
Speakers: Ray Wolfe and Bill Mudd
Abstract: At this seminar on the next in the series of reports, Statistics of Income-1977, Sole Proprietorship Returns and Statistics of Income-1977, Partnership Returns, Ray Wolfe and Bill Mudd of the Statistics Division will present highlights of these statistical reports. Interested persons are invited to attend whether or not they are WSS or ASA members. Further information on this report may be obtained by contacting Ray Wolfe or Bill Mudd on 376-0151. Published copies of the report will be available from the Superintendent of Documents in March of 1981.

\* \* \* \* W. S. S. ELECTION \* \* \* \*

The election of new officers for the 1981-82 program year will be conducted in conjunction with the May Newsletter. The following persons have agreed to run for offices in the Washington Statistical Society.

**For Vice-President and President-Elect:**

Joe Gastwirth, G.W. University  
Jack Moshman, Moshman Associates, Inc.

**For Secretary:**

Rich Allen, Economics and Statistics Service, USDA

**For Treasurer:**

Bennie Clemmer, Social Security Administration

**For Methodology Section Program Chair:**

Mike Brick, National Center for Education Statistics  
Nancy Kirkendall, Energy Information Administration  
Judith Strenio, WESTAT

**For Representatives-at-Large (Three to be elected):**

Yvonne Bishop, Energy Information Administration  
Dhirendra Ghosh, Howard University  
Don King, King Research  
Basil Korin, American University  
Bette Mahoney, Systems Development Corp.  
David Morganstein, WESTAT

Candidates other than these may be nominated by petition of at least 40 members of WSS, provided that such a petition is received by the Nominations and Elections Committee at least two weeks before balloting. Any petitions must be received by Barbara Bailar, Bureau of the Census, Room 2031-3, Suitland, Maryland 20233, by April 13, 1981.

**W.S.S. OPEN BOARD MEETING**

The Constitution of the Washington Statistical Society specifies that at least one Society meeting each year shall provide time for discussion of Society business by the general membership. This year's open Board meeting will be held Tuesday, May 5, 1981, at 12:30 p.m. in Room 5092 at 400 Maryland Avenue, S.W. All members of the Society are invited to attend the meeting and offer their comments and suggestions.

**EMPLOYMENT COLUMN**

Deadline for inserting notices is the 10th of the month preceding the publication date

Send notices and requests to:  
Evelyn R. Kay  
National Center for Education Statistics  
400 Maryland Avenue, S.W.  
Washington, D.C. 20202 (301) 436-6791

**Job Openings**

BIOMETRIC RESEARCH INSTITUTE, INC., specializes in design and analysis of drug and medical device trials and occupational/environmental health research. We need an energetic, creative BIOMEDICAL RESEARCH PROJECT DIRECTOR. Management of new and current projects. Management and organizational skills, experience in clinical research design and analysis, and an M.S. in Biostatistics or Epidemiology (or equivalent) are required. Candidates must be effective communicators with clients and co-workers. Knowledge of SAS is desired. Send resume and salary requirement to Martha Heisel, Personnel Administrator, Biometric Research Institute, Inc., Suite 505, 1010 Wisconsin Avenue, N.W., Washington, D.C. 20007. BRI is an equal opportunity employer.

Job Openings (Continued)

**Mathematician**  
**GS-1520-13**

MS or PhD in mathematics with extensive knowledge and experience in computer simulation model development, modeling stochastic processes, mathematical treatment of data structures, and the preparation of mathematical documentation. Requires knowledge of numerical analysis, FORTRAN programming, and the use of mathematical and statistical software packages. Send SF-171 to Ms. Patricia A. Reissig, Administrative Support Division, U.S. Army Concepts Analysis Agency, 8120 Woodmont Avenue, Bethesda, MD, 20014, or call 202/295-1630.

**Job Applicants**

Listed below are brief descriptions of the qualifications of two applicants seeking employment. Employers interested in interviewing either of these applicants should notify Mrs. Kay of their interest by CODE NUMBER. The request should be by mail and should include the employer's name, organization, and telephone number. The applicant 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.

**CODE NUMBER: 04-04-81**

**Position:** Mathematical Statistician, GS-14/15 (\$40,000) in Government or Private Industry  
**Experience:** Strong background in survey sampling: survey planning, frame construction, sampling plans, estimation, variance estimation, reliability statements, complete nonresponse adjustment and data collection. Experience also in design of experiments and analysis of data. Background in agriculture and natural resource statistics.  
**Education:** Ph.D. in Statistics

**CODE NUMBER: 04-05-81**

**Position:** Mathematical Statistician, \$30,000  
**Experience:** More than 10 years' experience in the private and public sectors in the areas of transportation, energy, and housing. Both education and work experience have given this applicant expertise in the following methodological techniques: sampling, statistical inference and estimation procedures, questionnaire design, analysis of variance, regression analysis, discriminant analysis, analysis of log-linear data, probit analysis, and logit analysis, and other types of multi-variate analysis techniques and in the use of Non-Parametric Tests. This applicant has also had experience using FORTRAN, APL and SPSS. Also familiar with SAS and BMDP.  
**Education:** M.Sc. in Mathematical Statistics, McGill University  
B.Sc. in Mathematics, McGill University

*(mailed 3/24/81)*



**AMERICAN STATISTICAL ASSOCIATION**

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