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# Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



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NEWSLETTER - APRIL 1971

MEETINGS SCHEDULED

April 15 - Some Early Results of the 1970 Census Evaluation Program, p. 1
April 15 - Luncheon Meeting--Revenue-Sharing: An Economic Perspective, pp. 1 & 2
April 22 - Automatic Application of Significant Digit Arithmetic, p. 2

## SOME EARLY RESULTS OF THE 1970 CENSUS EVALUATION PROGRAM

**Chairman:** Joseph Waksberg, Bureau of the Census

**Speakers:** Gail Inderfurth, Bureau of the Census  
"Variation in Quality of Field Editing among Enumerators"

David A. Koons, Bureau of the Census  
"Completeness of Birth Registration"

Ralph B. Novoa, Bureau of the Census  
"Testing Census Coverage through Drivers' Licenses"

The evaluation program of the 1970 Census of Population and Housing comprises some 25 projects designed to examine various aspects of the completeness and accuracy of the census. The talks presented in this meeting will report on the techniques and results of three interesting studies that have been completed.

When and Where: 9:30 to 11 AM, Thursday, April 15, Conference Room B, Interdepartmental Auditorium, Constitution Avenue between 12th and 14th Streets, N.W.

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### Luncheon Meeting

#### REVENUE-SHARING: AN ECONOMIC PERSPECTIVE

**Chairman:** Gerson Chanowitz, Department of Justice

**Speaker:** Dr. Murray Wedenbaum, Department of Treasury

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Luncheon Meeting continued

Dr. Wedenbaum will discuss this major economic proposal of the present Administration. He will examine the impact of the revenue-sharing plan and contrast it with some suggested alternatives such as tax credits.

When and Where: Noon to 2 PM, Thursday, April 15, Occidental Restaurant, 1411 Pennsylvania Avenue, N.W. Price of lunch is \$3.60.

Please fill out the reservation form below and mail to reach Maurice Bresnahan by noon April 14. We would appreciate your sending the reservation as soon as possible or notifying Mr. Bresnahan by telephone if you plan to attend. Please call 961-2444 or Government Code 110-2444.

Sponsored by the Washington Statistical Society and the Special Interest Group in Numerical Mathematics (SIGNUM), Washington Chapter--Association for Computing Machinery

AUTOMATIC APPLICATION OF SIGNIFICANT DIGIT ARITHMETIC

Chairman: Bruce J. McDonald, Office of Naval Research and George Washington University

Speakers: Herbert S. Bright and Frank B. Mallory, Computation Planning, Inc.

Discussion of experience gained from a recently operational software system which will automatically trace the numerical significance of calculations as they are performed, in terms of "most probable remaining significant digits." Significance tracing has been successfully accomplished on actual data being processed by FORTRAN source program segments totaling 1000 statements, within larger programs.

When and Where: 3:30 to 4:30 PM, Thursday, April 22, American University Campus, Ward Circle Building (closest building to intersection of Mass. and Nebraska Avenues, N.W.), Room 110.

Parking: Convenient parking is available in large lot on Nebraska Avenue, opposite Campus Buildings. Other parking in any of the campus parking lots.

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FUTURE MEETINGS

Subject: Problems in Clinical Biostatistics

Speaker: Dr. Alvin Feinstein

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Maurice Bresnahan, Bureau of Labor Statistics, Room 2818, GAO Building, Washington, D.C. 20212

Please reserve \_\_\_\_\_ ticket(s) for the Wedenbaum luncheon, April 15.

Name \_\_\_\_\_; Organization \_\_\_\_\_;

Phone \_\_\_\_\_ (Make check payable to Washington Statistical Society)



Future Meetings continued

Subject: Data Needs for National Health Insurance Programs  
Speakers: Saul Waldman and Mildred Aril

This session will have representatives from the House Ways and Means Committee and the Senate Subcommittee on Health to speak on the Kennedy and other bills regarding national health insurance.

Details will appear in the May Newsletter

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ANNOUNCEMENTS

CATHOLIC UNIVERSITY--STATISTICAL LABORATORY

Professor S. K. Zaremba of the Université de Montréal, Canada, will speak on Friday, April 16, 3:30 PM in Caldwell Hall, Room 153, Catholic University Campus. The title of the lecture will be "Detection and Elimination of Trends in Time Series."

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WASHINGTON OPERATIONS RESEARCH COUNCIL (WORC)

Robert L. Chartrand, Library of Congress, will speak on "Systems Aspects of the Legislative Reorganization Act." The meeting will be held Wednesday, April 14, 8 PM, at Evans Farm Inn, 1696 Chain Bridge Road, McLean, Virginia.

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JOHNS HOPKINS UNIVERSITY

At 4 PM on Monday, Tuesday, Wednesday, and Thursday, April 12, 13, 14, and 15, in Room 3, Shaffer Hall at the Johns Hopkins University, Dr. George B. Dantzig Professor of Operations Research at Stanford University, will deliver the first of what are expected to be a continuing series of Johns Hopkins Press lectures on operations research to be presented by distinguished scholars in the field.

Dr. Dantzig's lectures will be devoted to mathematical programming with emphasis on large scale system development. All the lectures are open to the public. The lectures will eventually be published as a monograph by The Johns Hopkins Press.

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AMERICAN SOCIETY FOR QUALITY CONTROL (ASQC)--WASHINGTON CHAPTER

"Elements of Queing Theory and Practical Applications" is the subject of the April luncheon meeting of ASQC to be held April 13, 12:15 PM, at Evans Farm Inn, 1696 Chain Bridge Road, McLean, Virginia. Price of lunch is \$3.30. Notify Ben Nelsen by telephone if you wish to attend. Please call 694-7761.

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38TH SESSION INTERNATIONAL STATISTICAL INSTITUTE, WASHINGTON, D.C.

The 38th Session of the International Statistical Institute will be held in Washington, D.C. on August 10-20, 1971. Several receptions will be held for the participants and there will be a social program for the families of the participants.

We should like to enlist the aid of the members of the Washington Statistical Society for the evening of Friday, August 13. On that evening we have invited delegates and their families to visit the families of statisticians in the Washington area. The

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Announcements continued

type of entertainment offered to the visitors may vary. Some may prefer to have dinners at their homes; some may elect to have a larger group at a cocktail party; or some may prefer a more informal setting such as a picnic. The choice is yours. If you are willing to entertain delegates from abroad and their families, please fill out the attached form and send it to Mrs. Barbara Bailar, Room 3554, FOB 3, U.S. Bureau of Census, Suitland, Maryland 20233.

Since it will take a considerable amount of time to make these arrangements, please fill in the form below as soon as possible. Should you have any questions about the evening, please call Mrs. Bailar on 440-7061 or Government Code 157-7061.

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JOB OPENINGS

National Traffic Safety Administration, Mathematical Analysis Division seeks a Mathematical Statistician or Operations Research Analyst Ph.D. or equivalent with experience in data analysis, GS-13 or 14 level. Please contact Mr. Donald Mela, National Highway Traffic Safety Administration - NASSIF Building, 7th and D Streets, S.W., Washington, D.C. 20591. Telephone number 426-1504 or Government Code 118-61504.

The D.C. Government, Office of Youth Opportunity Services, is seeking two analytical statisticians, GS-11 and 12. The positions involve analyses of a variety of continuing statistical data relating to youth in such fields as health, welfare, recreation, employment, education, etc., in order to improve and broaden community youth programs.

D.C. Government employment is identical with the Federal service. Salaries, fringe benefits and all conditions of employment are the same. A person with Federal service can transfer back and forth freely as with any Federal agency, and service with D.C. is part of his total Federal Civil Service Record. Please contact Melvin Chambers, 5th Floor, 1319 F Street, N.W., 629-2712.

Notices for inclusion in future issues should be sent to Mrs. Marie D. Eldridge, Director, Office of Statistical Programs and Standards, Finance and Administration Department, U.S. Postal Service, Room 2407, 12th and Pennsylvania Ave., N.W., Washington, D.C. 20260. Forms outlining the items to be included in the WSS Newsletter are available from Mrs. Eldridge. NO PHONE ANNOUNCEMENTS, PLEASE!

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I should like to entertain delegates to the ISI and their families on Friday evening, August 13.

Name \_\_\_\_\_  
 Place of Employment \_\_\_\_\_  
 Statistical Speciality \_\_\_\_\_  
 Foreign Countries Visited \_\_\_\_\_  
 Foreign Languages Spoken \_\_\_\_\_  
 Preferred Nationality of Guests \_\_\_\_\_  
 Number of Guests \_\_\_\_\_



JOB APPLICANTS

Listed below is a brief description of the qualifications of individuals submitting an application seeking employment. Any employer interested in interviewing the applicants should notify Mrs. 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 applicants will be notified of the employer's interest and initiation of any further contact will be left to the applicants. All contacts will be confidential. Mrs. Eldridge's address is: Director, Office of Statistical Programs and Standards, Finance and Administration Department, U.S. Postal Service, Room 2047, 12th and Pennsylvania Ave., N.W., Washington, D.C. 20260.

Code Number

Applicant

79-4-1

(1) B.A. (Education and Statistics); (2) Statistical reports; (3) One; (4) GS-5 or 7; (5) Government or private industry in the Washington Metropolitan Area.

80-4-1

(1) B.A. in Sociology; Minor - History, Anthropology; (2) Statistics, survey methods, sampling, editing, drawing up tables. Particular interest in demography; (3) 8 months as Research Analyst, using statistics and survey methods; (4) GS-7 or 9; about \$8000-\$8500 a year; (5) Government or private industry in Washington Metropolitan Area only.

Symbols:

- (1) Educational Background
- (2) Fields of Competence
- (3) Years of Experience
- (4) Salary Requirement or GS Level
- (5) Interest in employment (Government or private industry) in Washington, D.C. Metropolitan Area or Baltimore-Washington Area.

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If you wish to become a member of the Methodology Section please sign your name here, tear off and return to ASA office, 806 15th Street, N.W., Suite 640, Washington, D.C. 20005.



Short Biography of Candidates

Edward C. Bryant. Since 1961, Founder and President, Westat Research, Inc. Visiting Professor of Mathematics, Arizona State U., 61-63. ASA (Fellow), ASQC, AAAS, Biometrics Soc., IMS, TIMS. Publications on sampling, information retrieval, analysis. In WSS, Chairman of Methodology Section 1967-1969, Rep.-at-large and Chairman of Awards Committee, 1970.

John T. Inzana. In Office of Occupational Safety and Health Statistics, BLS since 1967; earlier, Director of Statistical Department, Indiana Division of Labor. ASA. In WSS, Chairman, Membership Committee since 1969, also Newsletter Editor since 1970.

Thomas B. Jabine. Chief, Statistical Research Division, Census Bureau since 1969. In Census Bureau (on and off) since 1949. Statistical Advisor to Brazil, 1955-59, to Thailand, 1963. ASA (Fellow), IASI (constituent member), AAPOR. In ASA, Liaison member with IASI since 1969.

Harry H. Ku. Mathematical statistician, Statistical Engineering Laboratory, NBS. In NBS since 1959. ASA (Fellow), IMS, RSS, AAAS (Fellow), ASTM. In ASA, Associate Editor, American Statistician.

Jerome A. Mark. Assistant Commissioner for Productivity and Technology, BLS since 1966. In BLS since 1951. ASA (Fellow), AEA, IRRA. Labor Department Distinguished Service Award. In WSS, Agency representative since 1964.

Bruce J. McDonald. Director, Statistics and Probability Research Program, ONR since 1968; also Professorial Lecturer, George Washington University. Earlier, Assistant Director of Computing Center and Member of Graduate Faculty of Statistics, Florida State University. ASA, IMS, MAA, AMS, SIAM, ACM, AAUP, IASPS, APS (Southeastern Sec.). In WSS, Chairman of Physical and Engineering Statistics Committee since 1967. Publications on multiple comparisons, signal analysis, simulation, acceptance sampling.

Dorothy S. Projector. Director, Division of Economic and Long Range Studies, Office of Research and Statistics, SSA since 1970. In SSA since 1968. Earlier in BLS and FRB. Member, Income and Wealth Conference. ASA, AEA. In ASA, Secretary-Treasurer of Business and Economics Sec. 1971.

Elijah L. White. Director, Division of Health Interview Statistics, NCHS since 1966; in NCHS since 1957. ASA, Am. Soc. Assoc., APHA. In ASA, Vice Chairman, Social Statistics Sec. 1967 and 1968. Also Section Program Chairman, 1968.

Allan H. Young. Assistant Chief, National Economics Division, OBE since 1969; in OBE since 1966; earlier, statistician, Census Bureau. ASA, AEA.