

President: Morris Goldman  
V.P. & Pres.-elect: Marie Eldridge  
Past President: Joseph Waksberg  
Sec.-Treas.: Charles Jones  
Representatives-at-large:  
Barbara Bailar  
David Hulett  
Joseph Steinberg  
District 3 Rep. to A S A:  
Beatrice N. Vaccara  
Methodology Section:  
Chair: Jay Herson  
Program: Frederick Scheuren

# Washington Statistical Society

CHAPTER • AMERICAN STATISTICAL ASSOCIATION



Program Committees:  
Agriculture: Fred Vogel  
Computer Technology: Richard Taeuber  
Economics: Jerome Mark  
Phys. & Engrng: Seymour Selig  
Public Hlth & Biost.: Tavia Gordon  
Soc. & Dem.: Daniel Levine  
Arrangements Comm.: Solomon Loew  
Employment Comm.: Marie Eldridge  
Membership Comm.: Harold Nisselson  
Publicity Comm.: Maury Cagle

NEWSLETTER-SEPTEMBER 1975

September 29	- Social Indicators, 1976
October 1	- The Point of Purchase Survey-Its Use In the CPI Revision
October 3	- Ranking and Selection Procedures

## SOCIAL AND DEMOGRAPHIC STATISTICS PROGRAM

Topic: Social Indicators, 1976  
Speaker: Denis F. Johnston, Office of Management and Budget  
Chair: Daniel Levine, Bureau of the Census  
Discussant: Robert Parke, SSRC Center for Social Indicators

Mr. Johnston will discuss four major issues with respect to the 1976 program. He will differentiate the main purposes to be served by social indicators and the data requirements for satisfying these different purposes. He will then present a summary of the proposed content and organization of Social Indicators, 1976, focusing on additions or modifications to the first OMB report, Social Indicators, 1973. Next, he will address the problem of the quality of the data and how measures of data quality can best be presented in a report of this kind. Last, he will consider a number of longer-term development issues with regard to social indicators in the context of cooperative international efforts at the U.N. and OECD.

When and Where: Monday, September 29, 1975, 12:30 to 2:00 PM  
Martin Luther King Library  
9th and G Sts., N.W., Auditorium Room A5

Program Suggestions: The Board of Directors is in the process of planning the program through next June. If you have suggestions for the program, please contact the appropriate program chairman as listed below.

Methodology Section	Frederick Scheuren	382-6987
Agriculture Statistics	Fred Vogel	447-2129
Computer Technology	Richard Taeuber	389-6361
Economics	Jerome Mark	961-3228
Physical Science and Engineering	Seymour Selig	OX2-4314
Public Health and Biostatistics	Tavia Gordon	496-5826
Social and Demographic Statistics	Daniel Levine	763-5167

### METHODOLOGY SECTION PROGRAM

**Topic:** The Point of Purchase Survey—Its Use in the CPI Revision

**Chair:** Morris Hansen, Westat, Inc.

**Speakers:** Peter Bounpane, Bureau of the Census  
Curtis Jacobs, Bureau of Labor Statistics

**Discussant:** Robert Pearl, Consultant

The Bureau of Labor Statistics and the Bureau of the Census cooperated to conduct a series of household surveys in the early 1970's, which are being used for the revision of the Consumer Price Index (CPI). The speakers discuss one of those surveys - the Point of Purchase Survey: its sample design and the use of the survey results in the revision process.

**When and Where:** Wednesday, October 1, 1975, 12:30 PM - 2:00 PM  
Martin Luther King Library  
901 G Street, N.W. (9th and G Sts., NW)  
Auditorium Room A5

### PHYSICAL SCIENCE AND ENGINEERING PROGRAM

**Topic:** Ranking and Selection Procedures

**Speaker:** Robert E. Bechhofer, Chairman, Dept. of Operations Research,  
Cornell University

**Chair:** Seymour Selig, Office of Naval Research

In recent years statisticians have become increasingly concerned with the meaningful formulation and solution of certain multiple-decision problems which arise in experimentation. Thus, for example, when an experimenter conducts tests to compare the performances of several competing categories of items, his ultimate objective often is to select the category (or categories) which is (are) best, goodness being measured in terms of a particular parameter (e.g., the population mean or the population variance) associated with the random variable being observed. To accomplish this, the experimenter requires a statistical decision procedure which will tell him how many observations to take, how to take these observations, and based on these observations, which population(s) to choose; the decision procedure should have the property that the probability of an incorrect solution (or more generally, the risk or expected loss) is controlled at some specified level. In response to the need for such decision procedures, research statisticians have been studying various possible appropriate formulations of these problems, and have developed a body of statistical methodology to cope with them. The procedures have come to be referred to as "Ranking and Selection Procedures." The purpose of this talk is to introduce these procedures, to describe some of them, and the philosophy underlying their use, and to discuss their properties.

**When and Where:** Friday, October 3, 1975, 12:30 PM - 2:00 PM  
George S. Boutwell Auditorium, 7th Floor  
IRS Building, 1111 Constitution Avenue, N.W.  
(There is a cafeteria on the 7th floor close to the Auditorium)

JOB APPLICANTS

Listed below is a brief description of the qualifications of individuals submitting an application seeking employment. Any employer interested in interviewing an applicant 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 employee will be notified of the employer's interest and initiation of any further contact will be left to the employee. All contacts will be confidential. Mrs. Eldridge's address is: Director, Office of Statistics and Analysis, Research and Development, National Highway Traffic Safety Administration, U.S. Department of Transportation, 400 Seventh Street, S.W. Room 5125, Washington, D.C. 20590.

<u>Code Number</u>	<u>Applicant</u>
161-8-75	(1) B.A. Mathematics-1969; (2) Linear models, biostatistics and applied statistics; (3) 1 year professional experience; 1 year teaching experience, 4 year computer experience; (4) Unknown; (5) Government agency or private industry or teaching; Baltimore-Washington area, would consider others.
162-8-75	(1) B.S. Economics & Statistics, M.B.A. Marketing Research & Statistics, Ph.D. (all course work) Sociology; (2) Survey Design & Analysis, Program Planning, Research Administration & Direction, Social & Evaluation Research, Socio-Economic/Demographic Analysis, Social Indicator Development, Statistical Analysis; (3) 17 years experience conducting research in Criminal Justice, Education, Economics, Quality of Life/Social Indicators, Health, Housing, Aging, Drug Abuse, Manpower Planning, Technology Transfer, Federal (civilian) R&D management, Youth Training and Marketing; (4) GS-14/15 or equivalent; (5) Government or non-Government with preference for Washington, D.C. area or New York City area. Will consider other locations.

Code:

- (1) Education
- (2) Fields of Competence
- (3) Years of Experience
- (4) Salary or GS Level Requirement
- (5) Type of Employment and Geographic Area

Code NumberApplicant

163-8-75

- (1) B.S., M.A., Ph.D. (Mathematical Statistics);
- (2) Mathematics, statistics, experimental design, BASIC and FORTRAN programming, Operations Research; (3) 18 years experience in government, industry, and teaching;
- (4) GS-14 or equivalent industry offer;
- (5) Government or industry in the D.C. area.

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19th Fall Technical Conference

The 19th Fall Technical Conference sponsored by the Section on Physical and Engineering Sciences of ASA and The Chemical Division of ASQC will be held October 30 and 31, 1975, in Denver, Colorado. The conference, with its theme Profitable Processing, has scheduled an outstanding array of speakers. A one-day seminar on Evolutionary Operation will precede the conference. Further details may be obtained from: American Society For Quality Control, Northern Colorado Section No. 1309, P.O. Box 373, Loveland, Colorado 80537.

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JOB OPENINGPostal Rate Commission

Position: Statistician, GS9-11

Location: Office of the Acting Special Assistant

Duties: The position requires comprehensive working knowledge at a professional level of statistical theory and techniques including distribution analysis, stratification sampling, survey sampling, and work sampling. Assist senior staff through the performance of statistical analyses investigating the inter-relationships among postal costs, rates, classifications and demand of mail users. Review, analyze, and summarize testimony and briefs presented in formal proceedings with respect to cost and volume projections, market analysis, sampling theories, regression analysis, and economic analysis; and prepare reports regarding same.

Requirements:

To be qualified for the stated grade level (s), candidates must have a combination of experience and education totalling 6-7 years.

Education: Candidates should have a bachelor's degree with courses in statistics totalling 15 hours and 9 additional hours in courses in which the content was involved with statistical method, or completion of all requirements for a graduate degree in statistics. Also, graduate courses in statistics and related technical disciplines may be totalled together with related undergrad course to satisfy the educational requirement. Lacking a degree a candidate should show successful completion of the type courses mentioned above so that a combination of appropriate experience and education will total 4 years of education and experience and give the candidate a technical knowledge comparable to that which would have been acquired through a 4-year college course.

Work Experience: In addition to the education requirements, a candidate to be qualified for this position must have at least 1-3 years of specialized experience (education may be substituted). Experience should include evidence of professional statistical work such as sampling, collecting, computing and analyzing statistical data; applying known statistical techniques to data such as measurement of central tendency, dispersion, sampling error, simple and multiple correlation, analysis of variance and tests of significance.

How to Apply: Submit PRC Form 16 to Administrative Office, Attn.: Mr. Pittack, Washington, D.C. 20268. Applicants who will be eligible for promotion to the grade(s) indicated within 90 days from the date of this notice may submit an application and be considered for reassignment. Promotion will be contingent upon the successful completion of 52 weeks in one's grade at the time of reassignment.

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John T. Inzana  
Walt R. Simmons  
*District 3 Rep. to A S A:*  
Beatrice N. Vaccara  
*Methodology Section:*  
*Chair:* Barbara A. Ballar  
*Program:* Jay Herson

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*Membership Comm.:* Bennie Clemmer  
*Publicity Comm.:* James Davies

## President's Annual Report, 1974-1975

### Program Activities

In this, the 49th year of the Washington Statistical Society, 32 program sessions were held, to which all of the Program Committees contributed, making this the most active program year the WSS has ever had. Four of the programs were jointly sponsored by two Program Committees and four of the programs were jointly sponsored by the WSS and other organizations. There was one luncheon meeting but no evening meetings.

Three programs covered areas of interest to all Program Committees generally, and were sponsored by the Board of Directors. These were the luncheon meeting reviewing the election results (November), the local public meeting on 1980 Census Needs co-sponsored with a number of other local organizations (March), and the panel discussion on the effect of privacy and confidentiality legislation on federal statistical programs (May).

At the annual dinner, Albert Rees, Director of the Council on Wage and Price Stability, spoke to the Society on "Use of Statistics in Wage-Price Monitoring."

### Organizational Activities

The Committee on Revision of the WSS Constitution and By-laws (Margaret Martin, Chair, Benjamin Tepping and Theodore Woolsey) submitted a recommended new constitution and by-laws. With some minor revisions by the Board of Directors, the revised constitution was sent to the membership and approved by a vote of 345 to 7.

The Board of Directors agreed that the WSS will act as host for the 1979 Annual Meeting of the American Statistical Association, which will be held at the Washington Hilton Hotel on August 13-16. A Local Arrangements Committee will be appointed later to assist in the planning and operation of this meeting.

Shown below are some comparative statistics on our membership and activities.

	<u>70-71</u>	<u>71-72</u>	<u>72-73</u>	<u>73-74</u>	<u>74-75</u>
WSS membership	1,344	1,362	1,354	1,350	1,460
Methodology Sec.	278	274	265	262	278
Number of meetings	18	11	15	27	32
Joint	(5)	(2)	(1)	(4)	(8)
Annual dinner attendance	--	136	142	122	78
Ballots cast for next Program year;					
General	320	399	434	383	483
Methodology Sec.	104	141	139	114	150

### Awards

Continuing past practice, the Society awarded a year's membership in the ASA and WSS to outstanding graduate students nominated by local universities. The purpose of this award is to provide recognition to outstanding students and to direct their attention early in their careers to the principal professional organization in the statistical field. This year's recipients were:

American University	Kenneth Glasser
Catholic University	Sung Ki Min
George Mason University	Mary Patricia Channon
Georgetown University	Lorraine Dorothy Ference
George Washington University	Adam Chu
Howard University	Ezekiel O. Ayotunde
University of Maryland	Edward K. Baker

No nomination was received from VPI (Reston).

### Elections


The Nominating and Elections Committee (Harold Nisselson, Chair, Samuel Greenhouse and Thomas Jabine) announced that the following officers were elected for 1975-1976:

Vice President and President-Elect	Marie D. Eldridge
Secretary-Treasurer	Charles D. Jones
Representatives-at-Large	Barbara A. Bailar
	David T. Hulett
	Joseph Steinberg
Methodology Section Program Chairman	Frederick Scheuren

A total of 483 ballots was cast. Although this is the highest number of votes in recent years, it is still only 33 percent of the membership.

Other

I wish to express my appreciation to the members of the Board of Directors for their contribution to the success of this Year's program, especially to Charles Jones, our Secretary-Treasurer, and Sol Loew, Chair of the Arrangements Committee. I am also grateful to other members of the WSS who served in various ways, particularly our Committee on Revision of the WSS Constitution (Margaret Martin, Chair, Benjamin Tepping, and Theodore Woolsey); our Committee on Nomination of Fellows (Vito Natrella, Chair, Badrig Kurkjian, Joseph Gastwirth and Monroe Sirken); and our Nominations Committee (Harold Nisselson, Chair, Thomas Jabine, and Samuel Greenhouse).

  
Joseph Waksberg  
President, 1974-1975



STATEMENT OF INCOME AND EXPENDITURES FOR YEAR  
ENDING JUNE 30, 1975

On hand June 30, 1974 \$2,357.15

Receipts

1. Dues June 1974 thru April 1975	\$2,836.00	
2. Interest on Savings, Home Federal S&L	104.84	
3. Net Income from Scammon Luncheon Mtg.	6.38	
4. Net Income from Annual Dinner	<u>19.50</u>	<u>2,966.72</u>
		<u>5,323.87</u>

Expenses

1. Direct Newsletter costs	1,591.95	
a. Graham Letter Service	1,137.35	
b. Bulk Mail Postage	169.71	
c. Bulk Mail Permit	30.00	
d. Permit Envelopes	183.75	
e. ASA Addressing Charge	71.14	
2. Frame for Presidential Appreciation Certificate	5.92	
3. Graduate Student Scholarships	77.00	
4. Postage for Election Ballots Received	57.96	
5. Society Letterheads and Envelopes	98.54	
6. 1974 Election Ballots	56.47	
7. Miscellaneous: Stamps, Bank Service Charges	<u>44.58</u>	<u>1,932.42</u>

On hand June 30, 1975

Home Federal S&L	2,628.68	
Union Trust Checking Account	<u>762.77</u>	<u>3,391.45</u>

Accounts Payable

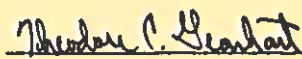
Graham Letter Service (March-June 1975 Newsletter Service, 1975 ballots printing, Letterheads, Postage)	1,414.37
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Net Society Reserves June 30, 1975 1,977.08

The Society also has a joint savings account with the American Society for Quality Control at Home Federal S&L. As of June 30, 1974 the balance in the account was \$105.43. The only activity in the account during the current fiscal year was the collection of \$4.23 in interest. The balance in the account as of June 30, 1975 is \$109.66.

  
Charles Jones, Secretary-Treasurer

I have examined the Secretary-Treasurer's report of the Washington Statistical Society for the year ending June 30, 1975. The examination was made in accordance with general accepted auditing standards, and accordingly included such test of the accounting records considered necessary in the circumstances. In my opinion the report presents fairly the cash receipts and disbursements of the Washington Statistical Society for the year ended June 30, 1975.

  
Theodore C. Gearhart  
Chairman, Auditing Committee