President: Joseph Waksberg
V.P. & Pres.-elect: Morris R. Goldman
Past President: Harold Nisselson
Sec.-Treas.: Charles D. Jones
Representatives-at-large:
Rose Glubin
John 1. Inzana
Walt R. Simmons
District 5 Rep. to A S A:
Benjamin J. Tepping
Methodology Section:
Chairman: Barbara A. Bailar

Program: Jay Herson

## Washington Statistical Society

CHAPTER . AMERICAN STATISTICAL ASSOCIATION



Program Committees:
Computer Technology: Richard Taeuber
Economics: David T. Hulett
Phys. & Engrng: Seymour Selig
Public Hith & Biost.: Tavia Gordon
Soc. & Dem.: Meyer Zitter
Agriculture: William B. Kibler
Arrangements Comm.: Solomon Loew
Employment Comm.: Marie Eldridge
Membership Comm.: Bennie Clemmer
Publicity Comm.: James Davies

#### NEWSLETTER-SEPTEMBER 1974

#### MEETING OF METHODOLOGY SECTION

Topic: ON THE ARITHMETIC MEANS AND VARIANCES OF PRODUCTS AND RATIOS

OF RANDOM VARIABLES

Speaker: Fred Frishman, Internal Revenue Service

Chairperson: Elliot Werner, Bureau of Labor Statistics

In the sciences and other disciplines it is quite common to encounter situations where random variables appear in combinations, such as a product or ratio of two random variables. This paper presents some results on the mean and variance of these combinations in terms of the means and variances of individual random variables.

When and Where: Tueso

Tuesday, September 24, 12:30 - 2:00 p.m., George S. Boutwell Auditorium, 7th Floor, IRS Building, 1111 Constitution Ave., N.W. (There is a cafeteria on the 7th floor close to the auditorium.)

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#### NIH PROBABILITY AND STATISTICS SEMINAR

Topic: NONPARAMETRIC ESTIMATION OF A SURVIVORSHIP FUNCTION WITH DOUBLY

CENSORED DATA

Speaker: Dr. Bruce W. Turnbull, University Lecturer Oxford University

When and Where: Thursday, September 12, 1974, 2:00 to 3:30 p.m.,

NIH, Building 10, Conference Room 11N242.

President: Harold Nisselson
V.P. & Pres.-elect: Joseph Waksberg
Past President: Edward C. Bryant
Sec Treas: John T. Inzana
Representatives-at large:
Joseph Gastwirth
Morris Goldman
Shirley Kallek
District 5 Reps. to A S A.
David L. Kaplan (1972 and 1973)
Benjamin J. Tepping (1974 and 1975)
Methodology Section:
Chairman. Richard Beatty

Program: Barbara Bailar

# Washington Statistical Society CHAPTER . AMERICAN STATISTICAL ASSOCIATION

Program Committees:
Computer Technology: Roy Wampler Economics Jan L Atternian
Phys & Engring James J Finheri
Public Hith & Biost. Tavia Gordon
Soc. & Dem., Robert B. Pearl

Arrangements Comm | James Harte Employment Comm | Marie Eldindge Membership Comm | Bennie A Clemmer Publicity Comm | James Davies

July 9, 1974

#### President's Annual Report, 1973-1974

#### Program Activities

Twenty-four regular meetings were held during the year, to which all of the programs committees contributed, making this the most active program year WSS has ever had. Special mention should be made of the Methodology Section, which organized eight of these meetings (one jointly with the Social and Demographic Statistics Committee). A list of the meetings held, two of which were cosponsored with other professional groups, is attached.

In addition, there were three special events. WSS was a principal cosponsor of a 3-day symposium "Statistics and the Environment", with the Washington, D.C., Section of the American Society for Quality Control, the Committee on Toxicology-NAS/NRC, and the Washington Academy of Sciences. Other sponsors were the American Statistical Association, Committee on National Statistics-NAS/NRC, Department of Transportation, Environmental Protection Agency, National Bureau of Standards, National Institute for Occupational Safety and Health, National Institute of Environmental Health Sciences, Society of Toxicology and Washington Operations Research Council. A total of 200 persons, including the Symposium participants, attended the meetings. Proceedings of the Symposium will be published as the June 1974 issue of the Journal of the Washington Academy of Sciences, and will be available through the ASA national office. It is expected that the Symposium will become an annual event, perhaps with different subjects from year to year. We are indebted to Joan R. Rosenblatt, Gary Liberson, R. Clifton Bailey, and James J. Filliben, for their work on the Symposium for WSS.

With the National Economist Club, WSS sponsored a luncheon meeting in January 1974 to honor Professor Wassily W. Leontieff on his receipt of the Nobel Award for Economic Science the preceding December. A total of 310 persons attended the luncheon. This meeting, which came within only a few weeks of Professor Leontieff's award, was a special privilege for WSS. Morris Goldman and Jack Alterman arranged for Professor Leontieff's appearance, and James Harte assumed responsibility for both societies for the luncheon arrangements.

At the annual dinner, Professor Frederick Mosteller spoke to the Society on "Social Experimentation: Public Policy and Public Attitudes". Although arrangements for the dinner were unfortunately delayed, a total of 122 persons attended. It was, again, a special privilege for WSS to have Professor Mosteller as a speaker. He was elected to membership in the National Academy of Sciences only a few weeks prior to our dinner. As statisticians we took special pleasure in this honor. Dorothy M. Gilford arranged for Professor Mosteller's participation, and introduced him at the dinner.

Through the cooperation of the Bureau of the Census, WSS was able to make available to requesters copies of the proceedings of the first Methodology Discussion held in June 1973. This may be viewed as an experiment in producing proceedings of technical meetings, which WSS may wish to consider for the future.

A committee was established (Joseph L. Gastwirth, (Chair), R. Glubin, Jay Herson) to explore the initiation of a WSS-sponsored program of short "courses" for members. The work of this committee will continue into the next program year.

#### Organizational Activities

During this year the Board of Directors authorized the establishing of an Agricultural Statistics Program Committee, and the Special Meetings Committee was discontinued.

A committee was established (Margaret E. Martin (Chair), Benjamin J. Tepping, and Theodore D. Woolsey) to recommend a revision of the WSS Constitution and a set of By-laws.

The membership ratified an amendment to the WSS Constitution to provide for an annual audit of the Society's books.

#### Awards

In continuance of past practice the Society awarded a year's membership in the ASA and WSS to outstanding graduate students nominated by the local universities. This year's recipients were:

American University - Karrim Nakkash Catholic University - Ufot Akpan Ibanga George Mason University - Richard S. Westerman George Washington University - Abol Azari Howard University - Lynette J. Steele University of Maryland - William J. Stewart

No nominations were received from Georgetown University or VPI (Reston).

WSS also continued its sponsorship of the "W.J. Youden Memorial Scholarship" at the Washington Technical Institute by authorizing a \$100 contribution.

#### Elections

The Nominating and Elections Committee (Edward C. Bryant (Chair), Beatrice Orleans, and Joseph Steinberg) announced that the following officers were elected for 1974-1975:

Vice President and President-Elect Secretary-Treasurer Representatives-at-Large

Morris Goldman Charles Jones Rose Glubin John Inzana Walt R. Simmons Jay Herson

Methodology Section Program Chairman

A total of 383 ballots were cast. Although a self-mailing ballot form was again used this year, in an attempt to increase the number of members voting, only 28 percent of the membership voted. This is down slightly from previous low levels.

#### 0ther

I wish to express my appreciation to the members of the Board of Directors for their contributions to the success of this year's program -- especially to John Inzana, our Secretary-Treasurer, and James Harte, chairman of the Arrangements Committee -- and to other members of WSS who served in various ways. The Committee on Fellows (Ezra Glaser (Chair), Badrig M. Kurkjian, and Vito Natrella) was successful in obtaining sponsors for five WSS members who were considered particularly worthy of nomination to be Fellows of ASA. The Employment Committee under Marie Eldridge's leadership continued its valuable service.

Hawldrisselson

Harold Nisselson President, 1973-1974

Attachment

#### WSS MEETINGS, 1973-1974

<u>Date</u>	Subject	
9/24/73	The Federal Budget and National Priorities	Economics
10/3/73	Time Series Techniques and Forecasting	Joint Phys. & EngrngWORC
10/24/73	Standards for Statistical Reports	Methodology
10/24/73	U.S. Balance of Payments Developments and Outlook	Economics
11/7/73	Multiple Regression in the Analysis of Counts and Proportions	Pub. Hlth. & Biost.
11/12/73	Probability as a Basis for Action	Methodology
11/28/73	New Directions in Small Area Population and Income Estimation	Soc. & Dem.
11/29/73	The New BLS Commissioner Looks at Some New BLS Programs	Economics
12/5/73	Quality of the Content of the 1970 Census	Joint Methodology- Soc. & Dem.
12/7/73	The Credibility of Federal Statistics: The U.S. Bureau of the Census A Case Study	Soc. & Dem.
12/12/73	Some Useful Computerized Techniques for the Statistical Analysis of Data	Joint Phys. & EngrngComputer Tech.
1/9/74	On the Measurement of Earning Differentials Between the Sexes	Methodology
1/15/74	The Future of the National Center for Health Statistics	Pub. Hlth. & Biost.
2/6/74	Sample Selection and Estimation When Extensive Prior Information is Available	Methodology
2/15/74	An Overview of the Third National Cancer Survey	Pub. Hlth. & Biost.
2/20/74	Bureau of Labor Statistics Economic and Manpower Projections to 1985	Economics

# WSS MEETINGS, 1973-1974 (continued)

<u>Date</u>	Subject	
3/15/74	OEO Longitudinal Manpower Evaluation Studies	Soc. & Dem.
3/18/74	The Retail Sampling Plan of the FDA	Pub. Hith. & Biost.
3/27/74	Techniques in Automated Tabular Composition	Computer Technology
3/29/74	Sampling Aspects of the General Wage Index	Methodology
4/5/74	The Use of Multiple Risk Functions in Retrospective Studies	Methodology
4/18/74	Quality Statistical Software, A Panel Discussion	Joint Computer Technology - Wash. Chap. of ACM
4/25/74	Goodness-of-Fit	Methodology
5/16/74	Modern Techniques of Statistical Time Series Analysis	Phys. & Engrng.

### STATEMENT OF INCOME AND EXPENDITURES FOR YEAR ENDING JUNE 30, 1974

On hand 6/30/73	\$2,350.82
Receipts	
1. Dues, 7/1/73-5/31/74 \$2,744.00 2. Leontief Luncheon 98.76	2,842.76 \$5,193.58
Expenses	
1. Direct Newsletter Costs a. Grahan Letter Service 1,716.76 b. Bulk mail postage 250.24 c. Bulk mail permit 30.00 d. Permit envelopes 137.15 e. ASA addressing charge 88.37	\$2,322.52
<ol> <li>Frame and engrossing of         Presidential appreciation certificate</li> <li>Graduate student scholarships</li> <li>Postage for election ballots received</li> <li>Mailing "Statistics and the Environment" brochure</li> <li>Audio equipment rental for "Techniques in Automated Tabular Composition"</li> <li>Annual Dinner</li> <li>Miscellaneous: letterhead, envelopes, xerox, stamps, service charges</li> </ol>	5.12 66.00 45.96 59.29 45.15 277.99
On hand 6/30/74	\$2,836.43
Home Federal S&L \$2,310.84 Union Trust Checking 46.31	\$2,357.15

JOHN T. INZANA Secretary-Treasurer