

Washington Statistical Society

W. S. S. Newsletter—May 1981

W. S. S. Open Board Meeting
Tuesday, May 5, 1981, 12:30-2:00 p.m. in Room 3000 at 400 Maryland Ave., S.W.

W.S.S.-Sponsored:

Topic: Use of Satellite Imagery for Constructing Area Sampling Frames
Speakers: Bill Wigton and Ron Fecso, Economics and Statistics Services, Department of Agriculture; Ron Steele, Contractee
Date and Time: Tuesday, May 12, 12:30-2:00 p.m.
Location: IRS Auditorium, IRS Building, Room 7132, 1111 Constitution Avenue, N.W.

* * * * *

Topic: The Estimation of Cancer Risks from Low Doses of Ionizing Radiation
Speaker: Dr. Charles C. Land, National Cancer Institute
Date and Time: Thursday, May 14, 1981, 3:30-5:00 p.m.
Location: NIH Campus, Room 4, "A" Wing, East Corridor, Building 31

* * * * *

Topic: Recent Developments in the Measurement of In-kind Income
Speakers: John Coder, Population Division, Bureau of the Census; Professor Tim Smeeding, University of Utah and ASA Research Fellow at the Bureau of the Census; Molly Orshansky, Office of Research and Statistics, Social Security Administration; Marilyn Manser, Mathematical Policy Research
Date and Time: Tuesday, May 19, 1981, 12:30-2:00 p.m.
Location: IRS Auditorium, Internal Revenue Building, 1111 Constitution Avenue, N.W.

* * * * *

Topic: A Multiplicity Estimator for Multiple Frame Surveys
Speaker: Robert J. Cassady, National Center for Health Statistics
Date and Time: Thursday, May 21, 1981, 12:30-2:00 p.m.
Location: Department of Labor, North Building, Room 3437, A&B, 200 Constitution Ave., N.W.

* * * * *

Topic: The Recent Development in the Designs of Sequential Clinical Trials
Speaker: Dr. L. J. Wei, National Cancer Institute
Date and Time: Wednesday, May 27, 1981, 3:30-5:00 p.m.
Location: NIH Campus, Room 4, "A" Wing, East Corridor, Building 31

* * * * *

Topic: Workshop on Presentation of Papers
Date and Time: Wednesday, June 10, 1981, 12:30-3:00 p.m.
Location: IRS Auditorium, 1111 Constitution Avenue, N.W., 7th Floor.

* * * * *

Other Sponsors:

Sponsor: Internal Revenue Service, Statistics Division
Topic: Supplemental Report, Statistics of Income—1975, Foreign Income and Taxes Reported on Individual Income Tax Returns
Speaker: David Paris
Date and Time: Friday, May 22, 1981, 1:00-2:00 p.m.
Location: 1201 E Street, N.W., Room 806A, Washington, D.C.

ANNUAL DINNER (Reservation Required)
Speaker: Prof. Samuel W. Greenhouse, GWU **Topic:** 40 Years in Washington in Government
Time & Place: Commissioned Officers' Club, & the University
Wash. Navy Yard, 9th & M, SE, June 11—Cash Bar—6 p.m.; Dinner—7:30 p.m.; Program—8:30 p.m.

DETAILED INFORMATION ON THE MEETINGS

Topic: Use of Satellite Imagery for Constructing Area Sampling Frames
Speakers: Bill Wigton and Ron Fecso, Economics and Statistics Service, Department of Agriculture;
Ron Steele, Contractee
Chair: Rich Allen, Department of Agriculture
Abstract: In recent years, imagery from the LANDSAT Satellite Series has been used for stratification in the construction of Area Frames in the U.S. and several foreign countries for agricultural surveys. Basic procedures and experiences will be discussed. Examples of different sample designs will be presented. In addition, the sampling frames are being digitized and stored in a computer. The digital data base approach yields procedures for easily adjusting sample unit sizes, allows use of various sampling designs and allows easy updating of the frame as conditions change.

* * * * *

Topic: The Estimation of Cancer Risks from Low Doses of Ionizing Radiation
Speaker: Dr. Charles C. Land, National Cancer Institute
Chair and Discussant: Dr. Gill Beebee, N.C.I.
Abstract: The estimation of cancer risk from low dose exposure to ionizing radiation is a formidable and fascinating scientific problem whose eventual solution probably will require a much deeper understanding than we now have of the basic mechanism of carcinogenesis. Direct approaches to the problem based on observation of cancer incidence and mortality in populations exposed to low doses of ionizing radiation offers very little promise of success because the excess risk is small compared to so-called "random" variations in cancer rates that cannot be ascribed to other risk factors. The approaches most likely to be successful in advancing our knowledge are indirect and focused on the development, testing, and refinement of theories of radiation carcinogenesis. Such approaches are necessarily eclectic, drawing on developments from many different scientific disciplines, including epidemiology, experimental radiobiology, radiation physics, genetics, and cell biology. Models for radiation effects that have implications directly applicable to the estimation of cancer risk in man at low doses also have other implications; and to the extent that any implications are testable, we have a means for learning about low dose risks. Experimental analogs to human carcinogenesis (such as experimental carcinogenesis, mutagenesis, somatic changes to chromosomal structure and effects in nitro) play an important role in this process as can epidemiological data on human cancer at higher doses.

* * * * *

Topic: Recent Developments in the Measurement of In-kind Income
Discussant: Professor Ed Budd, Pennsylvania State University
Chair: Milo B. Sunderhauf, Office of Federal Statistical Policy and Standards
Abstract: John Coder, Population Division, Bureau of the Census, will speak on "Recent Census Bureau Experience with the Collection and Processing of Noncash Benefit Data in the March CPS"; Professor Tim Smeeding, University of Utah, will speak on "Valuing Income In-kind Using CPS Data"; Molly Orshansky of the Office of Research and Statistics, Social Security Administration, will speak on "The Distributional Impact of the Addition of In-kind Income to Family Money Income"; and Marilyn Manser, Mathematical Policy Research, will speak on "Approaches to the Measurement of In-kind Income in the Context of the ISDP/SIPP Program."

* * * * *

Topic: The Recent Development in the Designs of Sequential Clinical Trials
Speaker: Dr. L. J. Wei, National Cancer Institute
Chair: Dr. Charles Roberts, The Smithsonian Institution
Abstract: Dr. Wei will discuss the nondeterministic treatment assignment rules which force the trial to be balanced. For example—the permuted block design, the biased coin design, the urn design, the random allocation design, and the adoptive biased coin design. The designs which allow delayed response and tend to put more patients on the better treatments are also included in the discussion.

Topic: A Multiplicity Estimator for Multiple Frame Surveys
Speaker: Robert J. Cassady, National Center for Health Statistics
Chair: Monroe G. Sirken, National Center for Health Statistics
Discussants: Robert M. Groves, Institute for Social Research, The University of Michigan; David Morganstein, WESTAT, Inc.; Steven Duraka, WESTAT, Inc.

Abstract: The principal objective of the paper is to explore the possibility of utilizing a dual frame survey design for the National Health Interview Survey (NHIS). The two frames considered are households and telephones. The random digit dialing procedure proposed by Waksberg is used to sample the telephone frame. Three competing dual frame estimators are compared with respect to optimum allocation of telephone and household interviews, precision and costs for a selected set of NHIS variables.

* * * * *

Topic: Workshop on Presentation of Papers

Abstract: A workshop will be held on Wednesday, June 10, to discuss ways in which anyone planning to present a paper or a poster session at a conference or other meeting could make their presentations of greater interest to their audience. The tips and hints given will aid authors in preparing and giving more effective presentations of their material. The topics to be covered for oral presentations are: (1) Selection of material for presentation—Jim Massey, NCHS; (2) Verbal delivery—Kirk Wolter, Bureau of the Census; (3) Preparation and use of visual aids—Dave Desjardins, Bureau of the Census; (4) Preparation and use of handouts—Beth Kilss, IRS. For poster sessions, the emphasis will be on: (1) Display of material in three-sided booths; and (2) Options for discussing the subject with the audience.

* * * * *

Topic: Supplemental Report, Statistics of Income—1975, Foreign Income and Taxes Reported on Individual Income Tax Returns

Sponsor: Internal Revenue Service, Statistics Division

Abstract: The Internal Revenue Service, Statistics Division, is sponsoring a seminar on the Supplemental Report, Statistics of Income—1975, Foreign Income and Taxes Reported on Individual Income Tax Returns. David Paris of the Statistics Division will speak about the methodology and findings of this statistical report. Included in this presentation will be a discussion about U.S. tax law treatment of Americans working overseas in 1975. Also included in the presentation will be a short discussion about recent tax law changes affecting Americans employed abroad. Interested persons are invited to attend whether or not they are WSS or ASA members. Extracts from this report may be obtained by contacting David Paris on 376-0177.

ANNUAL DINNER MEETING

Speaker: Prof. Samuel W. Greenhouse, Department of Statistics, George Washington University
Topic: 40 Years in Washington in Government and the University
Date and Time: Thursday, June 11, 1981, Cocktails (Cash Bar): 6:00-8:00 p.m.; Buffet Dinner: 7:30 p.m.; Program (Guest Speaker's Speech and Presentation of Julius Shiskin Award): 8:30 p.m.
Location: Commissioned Officer's Club, Washington Navy Yard Gates at 9th & M Streets, S.E., Building 101, Wash., D.C.
Cost: \$11.00 per person (including tips, etc.)
Buffet Menu: Roast Beef, Fried Chicken, Baked Lasagne, Salad, Vegetable, etc.

Please make checks payable to the Washington Statistical Society and mail to: Charles Roberts (work tel.: 357-1678) before
June 4, 1981 at:
4501 Cheltenham Drive, Bethesda, MD 20014

Print Name(s) for Name Tag(s) _____

Address: _____

Telephone: _____ Number of Persons: _____

W. S. S. OPEN BOARD MEETING

The Constitution of the Washington Statistical Society calls for the announcement each year of at least one "open" meeting of the Board of Directors. This is intended as an opportunity for any member of the Society to express his or her opinions, suggestions and comments on the past, present and future operation of W.S.S. Particularly timely this year would be follow-up comments to the WSS Membership Survey which was summarized in the March 1981 WSS Newsletter. The meeting will be held in Room 3000 of 400 Maryland Avenue, SW, at 12:30 p.m. Regular Board business will be conducted from approximately 12:30 - 1:00. The meeting is expected to be completed by 2:00 p.m. All members of the society are invited to attend.

EMPLOYMENT COLUMN

Job Openings

The Bureau of Industrial Economics has a SES vacancy (Announcement No. OS/II-81-60) for the Director, Office of Consumer Goods and Service Industries, ES-1101, located in Washington, D.C. Technical qualifications include the ability to plan, develop, and coordinate studies in related industries; general knowledge of industrial economics, statistics, theory, and policy; and demonstrated writing experience. Closing date: April 29. For more information, contact Eileen Lee on 377-3385.

Statistician
Biostatistician

The Office of Toxic Substances, Environmental Protection Agency, is seeking part-time statisticians for various assignments. These positions are open either to graduate students who are able to earn credit for the work or to retired statisticians (older than 55). Send SF-171 or resume to Joe Carra, 2262 Wheystone St., Vienna, Va., 22180, or call (202) 426-2454.

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 Applicant

Listed below is a brief description of the qualifications of an applicant seeking employment. Employers interested in interviewing this applicant 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 05-06-81

Survey researcher desires challenging position in government, an association, or a company (GS-15 or equivalent). Presently manager of an agency central information management and survey research department. Extensive experience in all facets of survey research including study conceptualization and design, questionnaire design, scientific sampling, interview methods, quality control, computer processing, and multivariate analysis.

(mailed 4/24/81)



AMERICAN STATISTICAL ASSOCIATION

806 Fifteenth Street, N. W., Washington, D. C. 20005

NON-PROFIT ORG.
U. S. POSTAGE
PAID
FALLS CHURCH, VA.
PERMIT NO. 186