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NEWSLETTER—FEBRUARY 1979 (Mailed January 26)

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| February 7: | Social Indicators of Equality for Minorities and Women |
| February 14: | Statistical Sampling Methodology in a Case-Control Study on the Relationship Between Saccharin and Bladder Cancer |
| February 15: | Evaluation of Employment and Training Programs |
| February 16: | An Efficient Procedure for Selecting Among Five Reliability Models |
| February 28: | Network Surveys |

SOCIAL AND DEMOGRAPHIC STATISTICS

Topic: Social Indicators of Equality for Minorities and Women

Speakers: Dr. Robert Hill, Director of the Department of Research, National Urban League
Dr. Denis Johnston, Social Indicator Program, U. S. Bureau of the Census; chief author, *Social Indicators 1976*
Robert Parke, Director of Center for Coordination of Research on Social Indicators, Social Science Research Council
Dr. Carmi Schooler, Research Psychologist, Laboratory of Socio-environmental Studies, National Institute of Mental Health

Chair: Dr. Havens Tipps, U. S. Commission on Civil Rights

Discussants: Ms. Linda Zimble, U. S. Commission on Civil Rights; Dr. Havens Tipps, U. S. Commission on Civil Rights

This program will offer a presentation and critical review of *Social Indicators of Equality for Minorities and Women*, a report prepared by Havens Tipps and Linda Zimble for the U. S. Commission on Civil Rights. The report contains comparative data on men and women in seven minority groups and the majority group on a variety of measures concerning education, employment and occupations, income and poverty, and housing. It also contains recommendations on aspects of the Federal statistical system that hinder development of adequate social indicators for minorities and women.

Copies of the report can be obtained without charge by calling the Publications Office at 254-6600, or from the program organizer at 254-6855.

Time: Wednesday, February 7, 1979, 12:30-2:00 p.m.

Place: Main Floor Auditorium, Hubert H. Humphrey Building, 200 Independence Avenue, S.W.
(Metro Blue Line, Federal Center SW stop)

PUBLIC HEALTH AND BIOSTATISTICS

- Topic:** Statistical Sampling methodology in a case-control study on the relationship between saccharin and bladder cancer
- Speakers:** Dr. Tom Mason, Environmental Epidemiology Branch, National Cancer Institute—The use of Medicare records as a sampling frame for selection of controls
Dr. Joseph Waksberg, WESTAT—Experience in the use of random-digit dialing
- Chair:** Dr. Max Myers, Biometry Branch, National Cancer Institute

A large multi-center case-control study of the impact of saccharin on the occurrence of bladder cancer is now being conducted by the National Cancer Institute through sponsorship by the Food and Drug Administration. The time frame for the conduct of the study is short. Therefore, early interviewing of cases and controls is critical. A combination of methods is being used to select a sample of population controls. The rationale and problems in the use of these methods will be presented and some sampling results will be discussed.

- Time:** Wednesday, February 14, 1979; 12:30-2:00 p.m.
Place: National Institutes of Health, Building 31, Conference Room 10 (C Wing—6th Floor)
NOTE: There is a large visitors' parking lot adjacent to Wisconsin Avenue near the northern-most Wisconsin entrance to NIH.

INTERPROGRAMMATIC

- Topic:** Evaluation of Employment and Training Programs
- Speaker:** William Huyeth, Administrator, Employment and Training Administration, Department of Labor
- Chair:** Paul Ahmed, Office of International Health, HEW
- Discussant:** Mark Battle, Howard University
- When:** Thursday, February 15, 1979; 10-12 p.m.
Where: Room S-4215, Department of Labor, 3rd and Constitution
(Metro Red Line—Judiciary Square Stop—4th Street Exit)

PHYSICAL SCIENCES AND ENGINEERING

- Topic:** An Efficient Procedure for Selecting Among Five Reliability Models
- Speaker:** Jacqueline Kent, U. S. Nuclear Regulatory Commission
- Chair:** Seymour M. Selig, Office of Naval Research

Efficient techniques are needed for the selection of the parametric family of distributions which best describes a given set of experimental observations. The technique given here uses scale invariant statistics that minimize the sum of the probabilities of misclassification and is extended beyond pairwise selections to selecting from a set of families of competing distributions. The set of families considered are the Uniform, Exponential, Gamma, Weibull, and Lognormal distributions, both for the cases of shape parameters known and unknown. Results of computer simulations are given for pairwise and multiple family selection procedures, showing the misclassification error rates achieved for selected sample sizes. Illustrations based on actual data are presented, along with a user program for convenient implementation of this procedure.

- When:** Friday, February 16, 1979; 12:30-2:00 p.m.
Where: GAO Building, Room 4454, A & B, 441 G Street, N.W., Washington, D. C.

METHODOLOGY SECTION

- Topic:** Network Surveys
- Speaker:** Monroe G. Sirken, National Center for Health Statistics
- Chair:** William G. Madow, Consultant, Washington, D.C.
- Discussant:** Dharendra Ghosh, Howard University

Network surveys imply two kinds of survey design factors: (1) counting rules that do not restrict the number of times a population element is eligible to be enumerated, and (2) counting rule weights that are based on information collected in the network survey. The counting rule weights are needed by the network estimator to adjust for the multiplicity of times that population elements enumerated in the survey are enumerable. The statistical theory and applications will be presented.

- When:** Wednesday, February 28, 1979; 12:30-2:00 p.m.
- Where:** Department of Labor, Conference Room N-5437, A & B. Third and Constitution Avenue (Metro Red Line—Judiciary Square Stop—4th Street Exit)

REMINDER

In last month's Newsletter, we requested that you pay your local chapter dues promptly in order to assure continued receipt of the Newsletter. We have learned that *some* of the ASA annual dues notices recently mailed to members in this area did not include an option for payment of dues to WSS. The national office of ASA informed us that a second mailing requesting separate payment of WSS dues would be mailed to those individuals. Again, we request that you pay your WSS dues as soon as possible. If you have any questions about the notices mailed by ASA, we suggest you call the national office (393-3253). Thank you for your cooperation.

JOB OPENINGS

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| <p>Statistical Programmer</p> | <p>Do you know FORTRAN well? Have you used SPSS? Use an interactive system to support criminologists, economists, attorneys, and operations researchers in studies of the criminal justice system at INSLAW. If you are interested in this full-time position, send resume to Johnna Robinson at Institute for Law and Social Research, 1125--15th Street, N.W., Suite 625, Washington, D. C. 20005. Or call 202/872-9380. EOE.</p> |
| <p>Statistician GS-1530-7
Dept. of Justice</p> | <p>Temporary part-time position open—not to exceed 700 hours. Good opportunity for graduate or undergraduate student in mathematics or statistics. Hours adjustable according to student's work load. Must be able to translate computer data into tabular form for job task analysis. Contact Mr. Reno Rosete at Immigration and Naturalization Service, Department of Justice. 202/376-8382.</p> |
| <p>Mathematical Statistician
GS-1529-13
Dept. of Agriculture</p> | <p>Seeking a person strong in experimental design and application of statistical theory. CSC eligibility or 1 year at GS-12 required. Send SF 171 February 2 through March 15 to Announcement WSS-11, U. S. Department of Agriculture, Food Safety and Quality Service, Room 3438-South, Washington, D. C. 20250, or call 202/447-6617.</p> |
| <p>Mathematical Statistician
GS-1529-15
Internal Revenue Service</p> | <p>Incumbent serves as Chief, Mathematical Statistics Branch under the general direction of the Director, Statistics Division. Principal duties and responsibilities include initiating, coordinating, and reviewing the mathematical statistical work of the Division. This work includes design, implementation, and evaluation of the sample for the Statistics of Income Program; sampling work for the Taxpayer Compliance Measurement Program; quantitative systems analysis; all aspects of the sampling portion of the Service's research and operational programs and aiding, on request, other agencies with their sampling problems. Incumbent must possess a comprehensive knowledge of current mathematical statistical theories and techniques. Send SF 171 to Internal Revenue Service, Statistics Division, 1111 Constitution Avenue, N.W., Washington, D. C. 20224, Attn: Room 407, Gayle Smith. 202/376-0159.</p> |

**Statistician GS-1530-14
Office of Personnel
Management**

The incumbent serves as Chief, Special Employment Programs Support Section in the Workforce Analysis and Statistics Division of the Office of Personnel Management. Applicants should have experience in managing major statistical projects dealing with top level management officials and have experience in work force studies on related areas as in general demographic statistics applications. Special employment programs supported includes affirma-

tive employment programs, EEO, Veterans, Aged, Handicapped and Youth programs. Send SF 171 to Wanda Jordan, Office of Personnel Management, Room 5453, 1900 E Street, N.W., Washington, D. C. 20415. Or call 202/254-8026.

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 2-5-79

Education: BS Statistics, MA Economics, 3 years on PhD program economics.

Fields of Competence: Project management—social science research, survey research, market research, evaluation research. Marketing—securing new business, proposal preparation management. Data collection methodology, sampling, data base design, and statistical analysis.

Experience: 16 years experience in research, managing projects for Government and consulting firms. Program areas: aging, social services, welfare, health, transportation, tax administration, postal service, mental retardation, and telecommunications.

Salary: GS-14/15 equivalent

Type of Employment: Public or private in Washington/Baltimore metro areas.

Deadline for inserting notices is the 12th 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 202/245-8340

SOCIAL EVENTS FOR 1979 ASA MEETING

The Social Events Subcommittee of the Local Arrangements Committee for the 1979 ASA meetings to be held in Washington next August is planning a large number of events. We need more volunteers. Are any of you interested in, or do you have a wife, husband, or friend who is interested in leading an art tour, a tour of Alexandria, Hillwood House, or other special events? If so, contact Barbara Bailar (763-7028).



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