



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR

*** RESCHEDULED DUE TO EARTHQUAKE ***

DECEMBER 14, 1989 THURSDAY Nicholas Jewell
"Statistical Analysis of HIV Infectivity"

JANUARY 11, 1990 THURSDAY Ingram Olkin
"Meta-Analysis: Current Issues in Research Synthesis"

JANUARY 17, 1990 WEDNESDAY Daniel Rubinfeld
"Estimating Litigation Damages"

JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM

SPEAKER: Nicholas P. Jewell
Professor of Biostatistics and Statistics
University of California, Berkeley

TOPIC: "STATISTICAL ANALYSIS OF HIV INFECTIVITY BASED ON PARTNER STUDIES"

Partner studies produce data on the infection status of partners of individuals known or assumed to be infected with the Human Immunodeficiency Virus (HIV) after a known or estimated number of contacts. Previous studies have assumed a constant probability of transmission (infectivity) of the virus at each contact. Recently, interest has focused on the possibility of heterogeneity of infectivity across partnerships. This talk will discuss parametric and nonparametric procedures based on partner data to examine the risk of infection after a given number of contacts. Graphical methods and inference techniques will be presented which allow the investigator to evaluate the constant infectivity model and consider the impact of heterogeneity of infectivity, error in measurement of the number of contacts and regression effects of other covariates. The majority of the methods can be computationally implemented easily with use of software to fit generalized linear models. The concepts and techniques are closely related to ideas from discrete survival analysis. A dataset of heterosexual transmission will be used to illustrate the methods. The material is joint work with Stephen C. Shiboski.

DATE: December 14, 1989 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Shultz Auditorium
Health Resources and Policy Building

Directions: From El Camino in Palo Alto, drive onto Palm Drive heading toward the university. At Campus Drive, turn right. The Human Resources and Policy Building will be on your left on Campus Drive near the multi-story parking structure in which free parking is available. See map on the reverse of this announcement.

There will be an informal dinner after the talk.

COUNSEL OF CHAPTERS REP.
Alvin D. Wiggins
(916) 752-7623

PRESIDENT
Florence Van Geem
(415) 271-5987

PRESIDENT ELECT
Kelvin K. Lee
(415) 852-3253

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Dean H. Fearn
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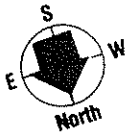
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SECRETARY
Rose Ray
(415) 856-9400

ASQC TASK GROUP REP.
Fred Khorasani
(408) 779-0035

ASQC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 765-9325

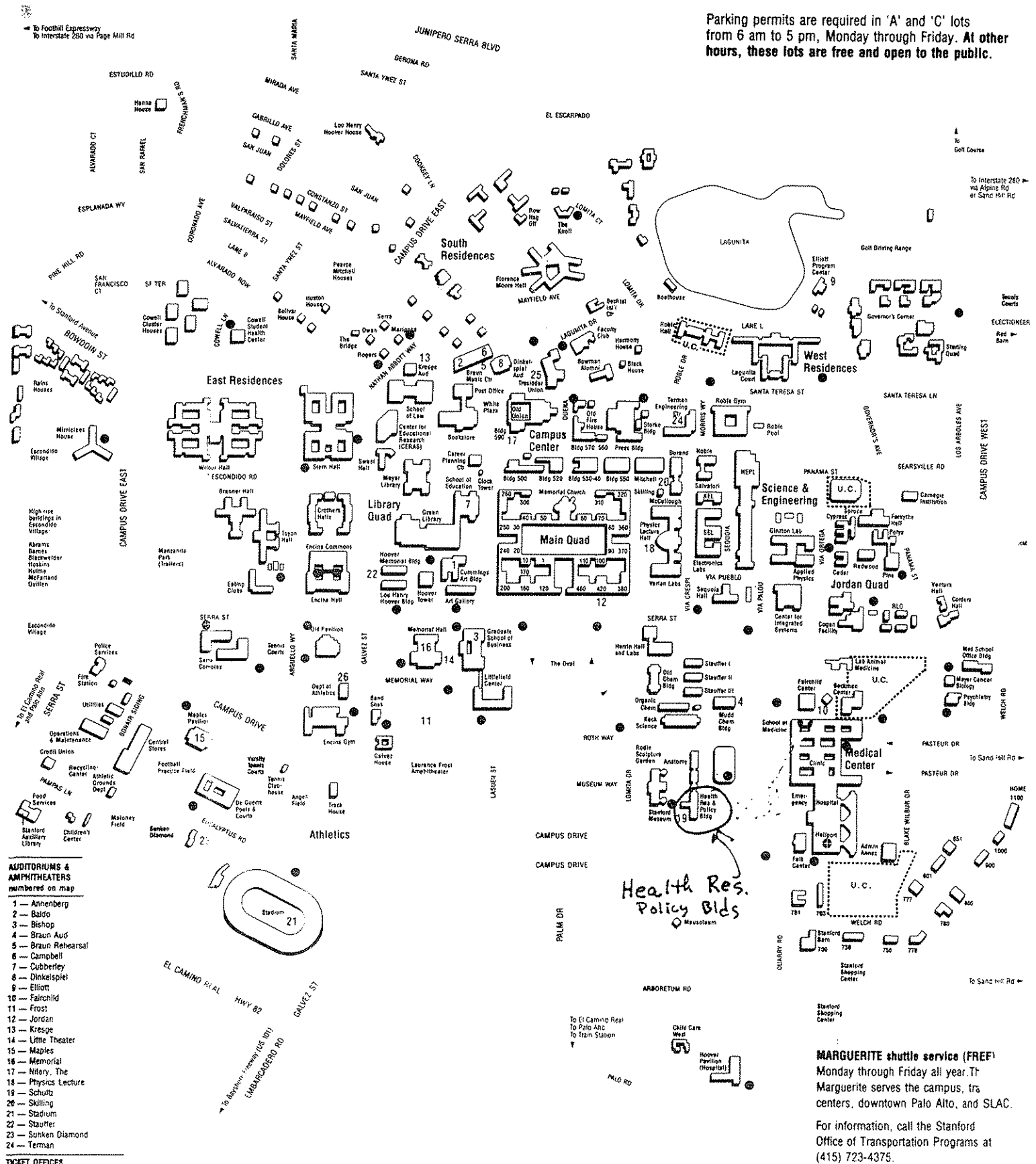


STANFORD UNIVERSITY

METER or TIME LIMIT parking. 6 am to 5 pm, Monday through Friday

DISABLED PERSON parking. 24-hour enforcement, every day. **\$50 minimum fine** for parking in these areas without the proper permit.

Parking permits are required in 'A' and 'C' lots from 6 am to 5 pm, Monday through Friday. At other hours, these lots are free and open to the public.



- AUDITORIUMS & AMPHITHEATERS**
numbered on map
- 1 - Annenberg
 - 2 - Baldo
 - 3 - Bishop
 - 4 - Braun Aud
 - 5 - Braun Rehearsal
 - 6 - Campbell
 - 7 - Cubberley
 - 8 - Dinkelspiel
 - 9 - Elliott
 - 10 - Fairchild
 - 11 - Frost
 - 12 - Jordan
 - 13 - Krespe
 - 14 - Little Theater
 - 15 - Maples
 - 16 - Memorial
 - 17 - Nitery, The
 - 18 - Physics Lecture
 - 19 - Schultz
 - 20 - Skilling
 - 21 - Stadium
 - 22 - Stauffer
 - 23 - Sunken Diamond
 - 24 - Terman
- TICKET OFFICES**
- 25 - President Memorial Union
 - 26 - Department of Athletics

MARGUERITE shuttle service (FREE)
Monday through Friday all year. The Marguerite serves the campus, train centers, downtown Palo Alto, and SLAC.
For information, call the Stanford Office of Transportation Programs at (415) 723-4375.

U.C. area under construction

BIostatistics PROGRAM

SPEAKER: Ingram Olkin
Professor of Statistics
Stanford

TOPIC: "META-ANALYSIS:Current Issues in Research Synthesis"

The concept of aggregating the results of different experiments has a history of at least 50 years in the physical and agricultural sciences. It was the introduction of this concept in the social and health sciences in the late 1970's that set the stage for a stream of papers pooling results from randomized controlled trials in medicine as well as other fields.

In this talk, we review the history of Meta-Analysis, discuss some of the critical controversial issues and pose some technical problems that remain unsolved.

DATE: January 11, 1990 (Thursday)
3:30 - 4:00 Coffee
4:10 - 5:00 Presentation

PLACE: University of California at San Francisco
Nursing 721

GENERAL APPLICATIONS PROGRAM

SPEAKER: Daniel Rubinfeld
School of Law
Boalt Hall
University of California, Berkeley

TOPIC: "Estimating Litigation Damages"

The application of forecasting techniques involving regression or ARIMA models to the court's determination of damages will be discussed. Examples will be based upon a number of recent tort and anti-trust cases.

DATE: January 17, 1990 (Wednesday)
3:30 - 4:00 Coffee
4:10 - 5:00 Presentation

PLACE: Kaiser Oakland
1950 Franklin
Second Floor Cafeteria and Conference Room

STATS:The magazine for Student of Statistics.

The latest issue of this new ASA publication has articles on the space shuttle Challenger, "Statistics and the Death Penalty" as well as profiles of several statistics departments and information on summer internship programs. The publication is aimed at beginning statisticians and students of statistics. The ASA encourages chairpersons of departments of statistics to obtain copies for distribution throughout their recruitment area. Complementary copies of the first issue are available through the national office. (Bulk rate of \$2.00 per copy for orders of 10 or more). American Statistical Association, 1429 Duke Street, Alexandria, VA 22314-3402.

SF Bay Area Chapter Business

ADDRESS CHANGES/DUES:

Changes of address should be sent to the chapter treasurer, Anna Bagniewska at the address listed below.

Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$8 to:

Anna Bagniewska
Syntex Labs
34012 Hillview Avenue L-2500
Palo Alto, CA 94303

=====

EMPLOYMENT OPPORTUNITIES

1. BIOANALYST II, Syntex, Palo Alto

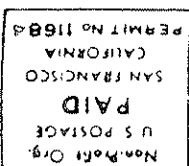
RESPONSIBILITIES: Provide analysis support to biostatisticians using SAS package and other computer software packages such as BMDP. Establish the accuracy of the data prior to analysis. Create SAS files, produce final statistical report tables, data listings, CRF tabulations, and graphs. Verify analysis outputs/results prior to presenting them to the biostatisticians or other clients. Ensure accuracy, and timeliness. Document analysis programs, corrections to the dataset, and archive files following standard operating procedures.

REQUIREMENTS: B.S in statistics, computer science or related field with at least 2 years of experience. or M.S. degree in similar field with at least 1 year of experience in SAS programming. The candidate must know routinely used SAS procedures well. Must be able to communicate and interact with biostatisticians and other co-workers. Have interest in statistical applications, software languages, and the use of computer facilities and systems.

SEND RESUME: Roxanne Naes, Staffing Department, L-1108, Syntex Labs, 3401 Hillview Ave., Palo Alto, CA 94304.
Or Call Ling-ling Tsao (415) 855-6532.

MAILED NOV 20, 1989

921 Regal Rd
Berkeley, CA 94708



American Statistical Association
SAN FRANCISCO BAY AREA CHAPTER





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR

NOVEMBER 30, 1989 THURSDAY Walter Hauck
 "Logit Models: Cluster Effects, Population
 Averaging, and Omitted Covariates"

*** RESCHEDULED DUE TO EARTHQUAKE ***

DECEMBER 14, 1989 THURSDAY Nicholas Jewell
 "Statistical Analysis of HIV Infectivity"

BIostatistics PROGRAM

SPEAKER: Walter W. Hauck
 Department of Epidemiology and Statistics

UCSF

TOPIC: "LOGIT MODELS: Cluster Effects, Population Averaging, and Omitted
 Covariates"

When estimating odds ratios there are two phenomena that one must be aware of.

The first of these phenomena is that population-averaged and cluster specific logistic models have parameters with different interpretations. This is in contrast to models for Gaussian outcomes where there is no distinction. In addition, the population-averaged logistic coefficients will tend to be closer to the null than the corresponding cluster-specific coefficients.

The second of these phenomena results when "maverick" covariates are omitted from logistic models. By "maverick" covariates we mean variables that are related either to the outcome or the exposure, but not both, and hence are not confounders in the classical sense. Regardless, omission of mavericks biases logistic coefficients towards the null value.

The theme of this talk is that these are related phenomena; that they are more easily understood by considering them together. The end result, it is hoped, is a better understanding of the interpretation of odds ratios and a basis for deciding on the most appropriate analyses.

DATE: November 30, 1989 (Thursday)
 3:30 - 4:00 Coffee (479 Kerr Hall)
 4:10 - 5:00 Presentation (176 Chemistry)

PLACE: University of California at Davis

Visitors can park in lot VP47 or lot VP25; S2. is quarters is required. There is also parking available in lot 11. Parking in lot 11 is for 2 hours or less only.

See the reverse of this announcement for a map of the Davis Campus. Kerr Hall is Building 83 and Chemistry is building 9.

There will be an informal dinner after the talk.

COUNSEL OF CHAPTERS REP.
 Alvin D. Wiggins
 (816) 752-7623

PRESIDENT
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PRESIDENT ELECT
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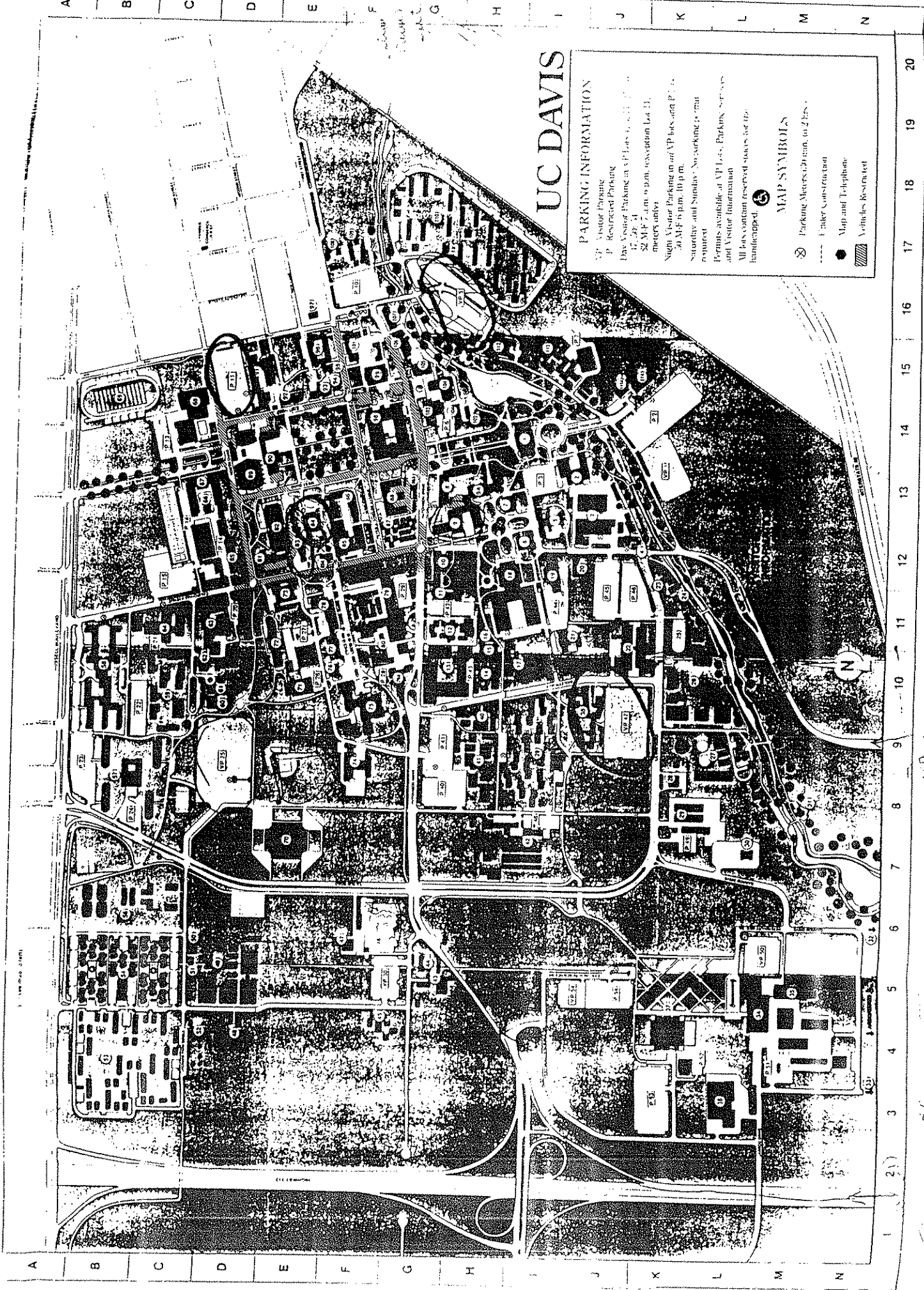
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 Fred Khorasani
 (408) 779-0035

ASQC STATISTICAL TASK GROUP
 Curtis Engelhard
 (408) 765-9325



UC DAVIS

PARKING INFORMATION

- VP - Visitor Parking
- P - Restricted Parking
- Day Visitor Parking in VP Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300.
- Night Visitor Parking in VP Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300.
- Permits available at VP Lots. Parking services and Visitor Information.
- All lots contain reserved spaces for the handicapped.

MAP SYMBOLS

- Parking Meters (20 min. to 2 hrs.)
- Under Construction
- Map and Telephone
- Vehicles Restricted

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

UCD

210

BIostatistics PROGRAM

Nicholas P. Jewell
Professor of Biostatistics and Statistics
University of California, Berkeley

TOPIC: "STATISTICAL ANALYSIS OF HIV INFECTIVITY BASED ON PARTNER STUDIES"

Partner studies produce data on the infection status of partners of individuals known or assumed to be infected with the Human Immunodeficiency Virus (HIV) after a known or estimated number of contacts. Previous studies have assumed a constant probability of transmission (infectivity) of the virus at each contact. Recently, interest has focused on the possibility of heterogeneity of infectivity across partnerships. This talk will discuss parametric and nonparametric procedures based on partner data to examine the risk of infection after a given number of contact.s Graphical methods and inference techniques will be presented which allow the investigator to evaluate the constant infectivity model and consider the impact of heterogeneity of infectivity, error in measurement of the number of contacts and regression effects of other covariates. The majority of the methods can be computationally implemented easily with use of software to fit generalized linear models. The concepts and techniques are closely related to ideas from discrete survival analysis. A dataset of heterosexual transmission will be used to illustrate the methods. The material is joint work with Stephen C. Shiboski.

DATE: December 19, 1989 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Shultz Auditorium
Health Resources & Policy Building

Directions: From El Camino in Palo Alto, drive onto Palm Drive heading toward the university. At Campus Drive, turn right. The Medical Center will be on your right across from the multi-story parking structure in which free parking is available. See map on the reverse of this announcement.

There will be an informal dinner after the talk.

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SF Bay Area Chapter Business

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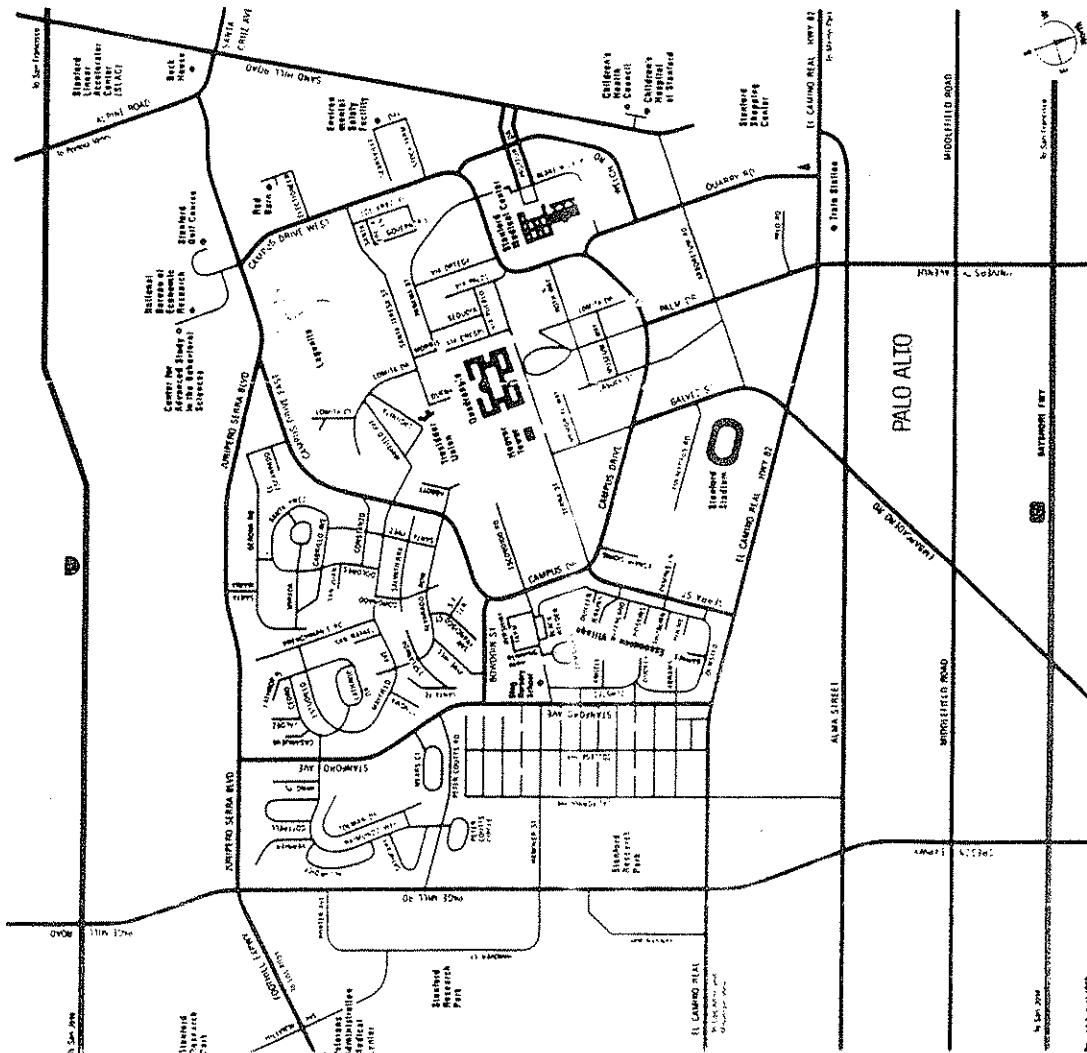


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American Statistical Association

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VICINITY MAP





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

MESSAGE FROM THE PRESIDENT

Dear Colleagues:

September, 1989

I am pleased to be serving as President of the Chapter for 1989-1990. The Chapter currently has close to 500 members and covers a wide geographic area from the North Bay to the South Bay, and as far east as Davis. Our members represent academia, finance, government, research, services and production. It will be my challenge to meet the professional needs of such a diverse membership. This would be close to impossible if not for the other officers of the Chapter. It is my pleasure to introduce them to you:

Kelvin Lee is President Elect and has served the Chapter for 4 years. Kelvin has been employed at the Veterans Administration for the last 11 years. His area of professional expertise is clinical trials. During the year, I will look toward Kelvin for help in developing solutions in order to better serve the members. He also will begin the planning for the 1990-1991 year.

The Chapter has two Vice Presidents whose responsibilities are to plan the monthly meetings. Dean Fearn is V.P. of the General Applications Program and Mike Tarter is V.P. of the Biostatistical Program. Dean is a professor at Hayward whose area of expertise is branching processes. He has been active in various activities of the Chapter for over 10 years. This is his second year as an officer for organizing the General Applications Program. Even though this is his first year as an officer, Mike is a long-time contributor to the local Chapter. He was instrumental in integrating the Biostatistical community with the Chapter in the early '80s. Mike currently is a professor at UC Berkeley working on various grants. Areas of expertise include computer approaches to identifying distributions and computer graphics.

USEL OF CHAPTERS REP.
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Curtis Engelhard
(408) 765-9325

Anna Bagniewska is serving her third year as Treasurer. Besides managing the books, maintaining the membership roster and mailing list, Anna has been very successful in organizing meetings in the Palo Alto area. Anna is a manager at Syntex Labs, coordinating the data reporting and collection functions.

Rose Ray first worked with the Chapter in 1987 and is currently serving her second term as secretary. She is responsible for collecting the information, writing and production of the newsletter. Job openings and relevant announcements should be sent to her. Rose's professional interest is epidemiological techniques related to business applications.

Fred Khorasani and Curt Engelhart represent the local organization of the American Society of Quality Assurance. Since the two organizations share many common subjects of interest, the Chapter asked for representation from this organization. In the past, the Chapter and the ASQC Task Group have jointly sponsored meetings and one-day seminars.

Al Wiggins is the Chapter's representative to the Council of Chapters. The Council is a vehicle for local Chapters to communicate and share their concerns in a broader arena. Al has served the Chapter as an officer for over three years, including President, and is well equipped to serve the interests of this Chapter.

Even with this excellent team, we need your support in making this year successful. We feel that an important objective of any organization is to provide a forum where professionals can meet other local professionals. We want to see you (new faces and old friends) at our meetings and to encourage wider participation of our 500 members. Therefore, it is important to identify topics relevant to our members. If you have ideas for topics, speakers or places for the meetings, we would like to hear from you. If you know of visitors coming to your company or institution and who would make an excellent candidate as a speaker for the monthly meetings, please contact either Dean or Mike.

Our goal this year is to organize meetings responsive to the needs of the members. We look forward to serving you and hope to see many of you at the monthly meetings.



Florence van Geem

CALENDAR

OCTOBER 19, 1989 THURSDAY Nicholas Jewell
"Statistical Analysis of HIV Infectivity"
NOVEMBER 8, 1989 WEDNESDAY Donald Ylvisaker
"Statistics Inside the Lottery"

GENERAL APPLICATIONS PROGRAM

SPEAKER: Nicholas P. Jewell
Professor of Biostatistics and Statistics
University of California, Berkeley

TOPIC: "STATISTICAL ANALYSIS OF HIV INFECTIVITY BASED ON PARTNER STUDIES"

Partner studies produce data on the infection status of partners of individuals known or assumed to be infected with the Human Immunodeficiency Virus (HIV) after a known or estimated number of contacts. Previous studies have assumed a constant probability of transmission (infectivity) of the virus at each contact. Recently, interest has focused on the possibility of heterogeneity of infectivity across partnerships. This talk will discuss parametric and nonparametric procedures based on partner data to examine the risk of infection after a given number of contact.s Graphical methods and inference techniques will be presented which allow the investigator to evaluate the constant infectivity model and consider the impact of heterogeneity of infectivity, error in measurement of the number of contacts and regression effects of other covariates. The majority of the methods can be computationally implemented easily with use of software to fit generalized linear models. The concepts and techniques are closely related to ideas from discrete survival analysis. A dataset of heterosexual transmission will be used to illustrate the methods. The material is joint work with Stephen C. Shiboski.

DATE: October 19, 1989 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Stanford University Medical Center
Room M106

Directions: From El Camino in Palo Alto, drive onto Palm Drive heading toward the university. At Campus Drive, turn right. The Medical Center will be on your right across from the multi-story parking structure in which free parking is available. See map on the reverse of this announcement.

Professor Bill Brown has kindly offered to be the local host. Refreshment will be served at his home following the presentation. Directions will be provided at the meeting. Although there will be no charge for this meeting, the chapter would like to get an idea of the attendance. Please notify Dean Fearn (415) 537-3439 or Mike Tarter (415) 624-4601, by OCTOBER 17.

GENERAL APPLICATIONS PROGRAM

SPEAKER: Donald Ylvsaker
Professor of Statistics
UCLA

TOPIC: "STATISTICS INSIDE THE LOTTERY"

The talk will cover events of interest which have transpired during a four year sting as Contract Statistician for the California and Colorado State Lotteries. In particular, the question of what has been learned over time will be addressed in various context. Topics will likely include physical equipment, inventory plans, computer simulations, randomization and issues of finance, security and marketing. There will be some focus on the lottery industry itself, and on odds and oddities which have surfaced. questions will be especially welcomed.

DATE: November 8, 1989 (Wednesday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Pacific Bell, San Ramon
2600 Camino Ramon
The Daffodil Room ICN95

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EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, SYSTEMS APPLICATIONS, INC., San Rafael

RESPONSIBILITIES: Perform statistical analyses related to air and water pollution. Seek imaginative approaches to probing and presenting data.

REQUIREMENTS: M.S in statistics or related field. In addition to statistical expertise, candidates should possess the oral and written communication skills necessary to present results to clients. Some statistical computing and consulting experience is preferred. Ability to use statistical packages (preferably SAS) is required.

COMPANY: Systems Applications, Inc. is an environmental consulting company providing the U.S. Environmental Protection Agency and other governmental and industrial organizations with consulting services related to air and water pollution.

SEND RESUME: Job # 1-P-90, Systems Applications, Inc.
101 Lucas Valley Road, San Rafael, CA 94903.
Equal Opportunity Employer.



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Berkeley, CA 94708



MAILED 9/25/89

CHAPTER NEWS

Elizabeth King was awarded a citation and plaque for outstanding local chapter member at the August ASA national meetings in Washington D.C. This award was part of the ASA sesquicentennial celebration. The citation read in part:

For more than 20 years of devoted and enthusiastic support of the chapter as follows:

- o Chapter President 1986- 1987
- o Handled local arrangement for National meeting with grace and aplomb.
- o Served as a role model and catalyst for the growth of the chapter and enhancement of the membership.

SF Bay Area Chapter Business

DUES:

At the June 1989 business meeting Article 3 (Dues) of the Chapter's By-Laws was amended as follows:

1. The annual dues of regular and associate members be increased from \$6.00 to \$8.00.
2. The annual dues of student members be increased from \$1.00 to \$2.00.

Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$8 to:

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Palo Alto, CA 94303



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

ANNUAL BUSINESS MEETING AND ELECTION OF OFFICERS

Preceded by:

JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM

SPEAKER: Michael Orkin
Professor of Statistics
California State University at Hayward

TOPIC: "ODDS MAKING AND SPORTS BETTING: BOTH SIDES OF THE FENCE"

Dr. Orkin will discuss betting structures from the gambler's and sports book maker point of views. This will include the pointy spread system, money line bets, futures bets, proportion bets and pari-mutuel betting.

DATE: June 14, 1989 (Wednesday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Syntex Corporation, Palo Alto
3401 Hillview Avenue
Room A2-1, Gallery Building

For more detailed directions, call Kelvin Lee (415) 852-3253.

Dr. John Varaday will be the local host, there will be a special get together after the business meeting in the Gallery area.

COUNSEL OF CHAPTERS REP.
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(415) 885-2615

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EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN/EPIDEMIOLOGIST, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: Ph.D in biostatistics or Public Health. Experience with analysis of NCHS and SEER databases. SAS or other statistical analysis packages is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# rr 4.22
Equal Opportunity Employer.

2. STATISTICAL CONSULTANT, BANK OF AMERICA

RESPONSIBILITIES: Identify, conduct and implement credit scoring and behavior scoring projects in the Bankcard department. Interaction with multiple levels of management and with operating departments.

REQUIREMENTS: A Master's degree in statistics or related field and 1-2 years of experience. SAS and banking experience is preferred.

SEND RESUME: Arlene Frazier, Credit Risk Management #3407, Bank of America, 180 Montgomery Street, San Francisco, CA 94104.

3. SR. PROGRAMMER ANALYST, Kaiser Foundation Research, Oakland

RESPONSIBILITIES: Statistical programming for research investigators in medical and epidemiological studies. Develop data entry screens, maintain databases, generate reports of the results of analyses. Assist investigators in writing papers and grant proposals. Under the general guidance of the network administrator, maintain and upgrade as necessary, a Novell LAN, install new versions of network software and application programs, add new workstations and other hardware to the network. Provide consultation, support and training to department staff for LAN and PC applications. Provide consultation and programming support, as requested, to investigators at other Kaiser Permanente facilities.

REQUIREMENTS: B.S. in computer science, mathematics, statistics or life sciences; M.S. or PhD preferred. At least 5 years experience as a statistical programmer in life sciences or social sciences research environment. IBM mainframe experience in OS/MVS, JCL, TSO, SAS, PLI or related language as well as PC experience with MSDOS and dBase III is required. Experience with Novell LAN, SNA gateway, synchronous communication, desktop publishing, PC hardware interfacing, PC/SAS and Turbo-C is preferred.

SEND RESUME: Michelle Brent, KFRI/DOR, 3451 Piedmont, Oakland, CA 94611. Or call (415) 987-3083.

APPLICANT:

POSITION DESIRED: Mathematical Statistician

EXPERIENCE: Ten years (last four as a manager) at the U.S. Census Bureau. Experience in survey design, estimation procedures, technical report writing, oral presentations, methods for data collection, processing, and statistical analysis. Familiar with FORTRAN programming and statistical packages (SPSS, Minitab, SAS and BMDP). Versed in Deming's management philosophy.

EDUCATION: M.A. in Applied Math/Statistics, U.C. Santa Barbara, 1978

CONTACT: Robert Edson (703) 971-0245 after 3pm (Pacific)

SF Bay Area Chapter Business

DUES:

The Executive Committee of the SF Bay Area Chapter of the ASA is recommending that Article 3 (Dues) of the Chapter's By-Laws be amended as follows:

1. The annual dues of regular and associate members be increased from \$6.00 to \$8.00.
2. The annual dues of student members be increased from \$1.00 to \$2.00.

Those present at the June meeting will be asked to vote on these amendments. Passage of the amendments requires a two-thirds majority of members present and voting.

While costs of production of the newsletter (duplicating, preparation, and postage) and for the monthly meetings (e.g. meeting rooms, equipment rental) continue to rise, student dues have been held at \$1.00 since 1983 and non-student dues have been held at \$6.00 since 1980. The additional revenue will allow Chapter officers more latitude in planning and trying out more innovative activities, for example inviting out of state statisticians to present talks, workshops or short courses.

CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

Anna Bagniewska
Syntex Labs
34012 Hillview Avenue L-2500
Palo Alto, CA 94304

ELECTION OF OFFICERS:

The following slate of officers for the 1989-1990 term have been proposed by the nominating committee.

President -Elect	Kelvin Lee, Biostatistician Veterans Administration, Palo Alto
Vice President General Applications	Dean Fearn, Statistics Department California State University at Hayward
Vice President Biostatistics	Mike Tarter, Biostatistics Department University of California, Berkeley
Treasurer	Anna Bagniewska, Biostatistician Syntex Labs, Palo Alto
Secretary	Rose Ray, Statistician Failure Analysis Assoc., Palo Alto

These recommendations will be voted upon at the June Business meeting. The Chapter wished to thank the nominating committee, Al Wiggins and Elizabeth King (and Mike Tarter who resigned from the committee when asked to stand for office.)

As is our custom, the President Elect, Florence Van Geem, Department of Economics and Statistics, Kaiser Foundation Health Plan will succeed Abe Silvers as President.

Al Wiggins, Professor of Statistics, University of California at Davis will continue his two year term as Council of Chapters Representative.

BERKELEY, CA 94708

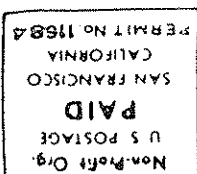
921 REGAL ROAD

DR. ROSE M. RAY 07/87

Mailed 4/24/89

Berkeley CA 94708

921 Regal Rd



American Statistical Association
SAN FRANCISCO BAY AREA CHAPTER





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

GENERAL APPLICATIONS PROGRAM

SPEAKER: Michael Tarter
Professor of Biostatistics
University of California, Berkeley

TOPIC: "IDENTIFICATION OF DISTRIBUTION SUB COMPONENTS: A PERSONAL
COMPUTER APPROACH"

A method will be demonstrated which can be used to decompose a mixture of conditional or marginal distributions. The new approach does not depend upon normality or for that matter the assumption of any particular distributional model. Therefore, we have designed a computational system which can identify the composed component after the component has been separated.

The above procedures will be demonstrated and the theory which underlies both the decomposition and the model identification processes will be described.

DATE: May 17, 1989 (Wednesday)
3:30 - 4:00 Coffee (475 Kerr Hall)
4:00 - 5:00 Presentation (223 Olson Hall)

PLACE: University of California at Davis
223 Olson Hall

MODEL OF CHAPTERS REP.
Alvin D. Wiggins
(816) 752-7623

PRESIDENT
Abraham Silvers
(415) 885-2615

PRESIDENT ELECT
Florence Van Geem
(415) 271-5987

VICE PRESIDENT
GENERAL APPLICATIONS PROGRAMS
Dean H. Fearn
(415) 881-3447

VICE PRESIDENT
BIOSTATISTICAL PROGRAMS
Kelvin K. Lee
(415) 852-3253

TREASURER
Anne Bagiewska
(415) 855-5289

SECRETARY
Rose Ray
(415) 856-9400

ABQC TASK GROUP REP.
Fred Khorasani
(408) 765-9318

ABQC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 765-9325

EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN/EPIDEMIOLOGIST, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: Ph.D in biostatistics or Public Health. Experience with analysis of NCHS and SEER databases. SAS or other statistical analysis packages is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# rr 4.22
Equal Opportunity Employer.

2. STATISTICIAN/APPLIED MATHEMATICIAN, TIBURON SYSTEMS

RESPONSIBILITIES: Development and implementation of mathematical algorithms, mathematical modeling, simulation, and algorithm evaluation.

REQUIREMENTS: Ph.D or Masters in Statistics or Applied Mathematics with strong statistical background. Experience in solving applied problems in the field is desirable. U.S. citizenship is required.

COMPANY: Tiburon Systems is a government contractor specializing in the areas of communications, command, control and intelligence.

SEND RESUME: Personnel Manager, Tiburon Systems, Inc., 2085 Hamilton Avenue, San Jose, CA 95125.

CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

Anna Bagniewska
Syntex Labs
34012 Hillview Avenue L-2500
Palo Alto, CA 94304

BIostatistics PROGRAM

SPEAKER: Kathleen Lamborn
Northern California Cancer Center
Vice President American Statistical Association

TOPIC: "SURVIVAL ANALYSIS OF BRAIN TUMOR DATA"

DATE: May 17, 1989 (Wednesday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: California State University at Hayward
North Science 215

DIRECTIONS: Parking is available in the coin lot (\$.50). There is a shuttle bus from the Hayward BART which runs approximately every 20 minutes.

FUTURE EVENTS:

June 14 (Wednesday) **ANNUAL BUSINESS MEETING** and election of officers, preceded by a talk by Michael Orkin (Cal State, Hayward). Syntex, Palo Alto.

APPLICANT:

POSITION DESIRED: Mathematical Statistician

EXPERIENCE: Ten years (last four as a manager) at the U.S. Census Bureau. Experience in survey design, estimation procedures, technical report writing, oral presentations, methods for data collection, processing, and statistical analysis. Familiar with FORTRAN programming and statistical packages (SPSS, Minitab, SAS and BMDP). Versed in Deming's management philosophy.

EDUCATION: M.A. in Applied Math/Statistics, U.C. Santa Barbara, 1978

CONTACT: Robert Edson (703) 971-0245 after 3pm (Pacific)



SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association
921 Regal Rd.
Berkeley CA 94708



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DR. ROSE M. RAY 07/87
921 REGAL ROAD
BERKELEY, CA 94708



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM
(In conjunction with the Society for Risk Analysis)

SPEAKER: Alice S. Whittemore
Professor of Epidemiology and Biostatistics
Stanford University

TOPIC: "NEW DIRECTIONS IN CANCER RISK ASSESSMENT"

DATE: April 27, 1989 (Thursday)
6:00 - 6:30 Cocktails (Cash Bar in the Gold Lounge)
6:30 - 7:45 Dinner
7:45 Presentation

PLACE: Stanford University Faculty Club
Lagunita Drive on the Stanford Campus

Two entrees will be offered: Chicken Kiev(\$18.25) and Seafood Brochette(\$20.25) including tax and gratuity.

RESERVATIONS: Kelvin Lee, (415) 852-3253 by APRIL 19 with your choice of entrees. To guarantee your reservation make out your check to "ASA, SF Chapter" and mail it to Kelvin Lee at 515 Tiller Lane, Redwood City 94065. Chapter members unable to join us for dinner are welcome to attend the talk, but please let Kelvin know that you are coming. The same number can be used for cancellations, as the chapter is responsible for the cost of the dinner for no shows.

FUTURE EVENTS:

May 31 (Wednesday) BIostatISTICS PROGRAM: Kathleen Lamborn (Northern California Cancer Center) will speak at Cal State Hayward, on Survival Analysis of Brain Tumor Data.

Mid June ANNUAL BUSINESS MEETING and election of officers, preceded by a talk by Michael Orkin (Cal State, Hayward). Time and place to be announced.

SECRETARY
Alvin D. Wiggins
(916) 752-7623

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(415) 855-5289

SECRETARY
Rose Ray
(415) 856-9400

ASQC TASK GROUP REP.
Fred Khorasani
(408) 765-9318

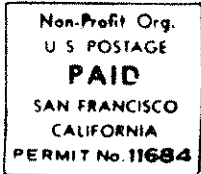
ASQC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 765-9325



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American Statistical Association

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 Berkeley CA 94708

Mailed 4/4/89



APPLICANT:

POSITION DESIRED: Mathematical Statistician

EXPERIENCE: Ten years (last four as a manager) at the U.S. Census Bureau. Experience in survey design, estimation procedures, technical report writing, oral presentations, methods for data collection, processing, and statistical analysis. Familiar with FORTRAN programming and statistical packages (SPSS, Minitab, SAS and BMDP). Versed in Deming's management philosophy.

EDUCATION: M.A. in Applied Math/Statistics, U.C. Santa Barbara, 1978

CONTACT: Robert Edson (703) 971-0245 after 3pm (Pacific)

EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: M.A. or Ph.D in biostatistics or Public Health. Experience with analysis of NCHS and SEER databases. SAS or other statistical analysis packages is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# jp 4.2.
 Equal Opportunity Employer.

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Anna Bagniewska
 Syntex Labs
 34012 Hillview Avenue L-2500
 Palo Alto, CA 94304



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American Statistical Association

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Anna Bagulewaka
 Syntex Labs
 3401 Hillview Avenue L-2500
 Palo Alto, CA 94304

CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

CONTACT: Nancy Berman
 Research & Education Institute
 Harbor-UCLA Medical Center
 1124 West Carson
 Torrance, CA 90059
 (213)212-1874 (213)476-2488
 or
 Roberta Madison
 Dept. of Health Sciences
 CSU, Northridge
 Northridge, CA 91330
 (818)885-4645
 (213)457-6957

REGISTRATION: The registration fee is \$60. (\$30 for full time students). Admission to the program and exhibits area, one set of handouts, refreshments and lunch are provided. Lunch cannot be guaranteed for registrations postmarked after April 30. Parking fees not included.

LOCATION: Annenberg School of Communication, USC
 DATE: Friday May 12, 1989. 8:30 - 4:30

ABSTRACT: Missing data is a pervasive problem in statistics. This workshop will a) survey ad-hoc historical approaches to missing data adjustment, b) describe principles applications to the problem based upon modeling the data and the missing data mechanism and c) discuss real applications, including missing data problems encountered by workshop participants.

Presented by: Professor Donald B. Rubin
 Department of Statistics
 Harvard University
 Professor Rodrick J.A. Little
 Department of Biomathematics
 UCLA

"Handling Missing Data: Techniques and Applications."
 Southern California Chapter of ASA Eighth Annual Workshop in Applied Statistics.

ANNOUNCEMENTS

April 27 Evening dinner meeting in conjunction with the Society for Risk Analysis. Alice Whittemore on "New Directions in Cancer Risk Assessment."
 May 31 Kathleen Lambourne will speak on Survival Analysis.

ANNOUNCEMENT OF FUTURE JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAMS

American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER



JOINT GENERAL APPLICATIONS AND BIOSTATISTICS

SPEAKER: Dr. Abraham Silvers
Senior Project Manager, EPRI
President, S.F. Bay Area Chapter of ASA
Adjunct Professor, Biostatistics and Epidemiology, UCSF

TOPIC: "USER FRIENDLY COMPUTER SOFTWARE TO PERFORM QUANTAL MODEL AND TIME TO TUMOR RISK ASSESSMENT ESTIMATION"

Risk assessment has become a basis for setting environmental standards. For example, Proposition 65 relies on this methodology to assess the extent of toxicity of substances. This talk on risk assessment will present the statistical estimation issues of risk, Assessment and will demonstrate these with software. The software, developed collaboratively with K.S. Crump/ICF Clement, is user friendly for the IBM PC and obtains constrained maximum likelihood estimates for the most used quantal and time to tumor models. Some dose-response trend analysis is provided, and the capabilities to extrapolate results to humans from animal data based upon current thinking.

This meeting is held in conjunction with the UCSF Biostatistics and Epidemiology Seminar.

DATE: March 29, 1989 (Wednesday)
TIME: 3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Room 302, Health Sciences West
UC San Francisco (on Parnassus Ave)

DIRECTIONS: Public parking is available at the Millberry Union lot; enter on Parnassus Ave. From the parking lot cross Parnassus, walk through the Medical Sciences Building and down the corridor into Health Sciences West; the room is on the third floor. Contact Kelvin Lee (415) 852-3253 for further information.

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(916) 752-7623

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(415) 885-2615

President Elect
Florence Van Geem
(415) 271-5987

Vice President
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(415) 881-3447

Vice President
Kevin K. Lee
(415) 852-3253

Treasurer
Anna Bagnawska
(415) 855-5289

Secretary
Rose Ray
(415) 856-9400

ASOC Task Group Rep.
Fred Khorasani
(408) 765-9318

ASOC Statistical Task Group
Curtis Engelhard
(408) 765-9325



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR

FEBRUARY 23, 1989, THURSDAY Joint General Applications and
Biostatistical Program

JOINT GENERAL APPLICATIONS AND BIostatistical PROGRAM

SPEAKER: Robert H. Somers
Research Social Scientist
Pacific Bell

TOPIC: "COMPONENTS OF PARTIAL RANK CORRELATION"

Adding an extension of the usual vector or outer product of vector analysis to least squares algebra permits a) the partial variance and covariance to be expressed in terms of pairwise differences and b) multiple regression to be interpreted as a summary of simple linear analyses of small subsets of p pairs of observations over p independent variables. Employing these results and working with only the signs of the pairwise differences, one may define an ordinal partial regression concept, closely related to Kendall's partial tau, suitable for assessing relative importance, in a regression sense, among a small number of rank orderings.

Applying these concepts to customer satisfaction data distributed over a four variable ordered cross-tabulation, conclusions about relative importance remained intact despite suppression of all but the ordinal measurements. The ordinal partial is best interpreted in terms of its components, one of which is as measure of ordinal pattern matching between categories of the controlled variables. Another summarizes data within those conditional distributions. no combining of categories is required in this analysis.

DATE: February 23, 1989 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Stanford Medical Center
Room M106

Professor Bill Brown has kindly offered to be the local host. Refreshment will be served at his home following the presentation. Directions will be provided at the meeting.

Although there will be no charge for this meeting, the chapter would like to get an idea of the attendance. Please notify Dean Fearn (415) 537-3439 or Kelvin Lee (415) 852-3253.

COUNSEL OF CHAPTERS REP.
Alvin D. Wiggins
(916) 732-7823

PRESIDENT
Abraham Somers
(415) 885-2818

PRESIDENT ELECT
Florence Van Geem
(415) 271-8897

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Fred Khorasani
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ASQC STATISTICAL TASK GROUP
Curtis Engsthard
(408) 785-9325

ELIZABETH LEONARD SCOTT
1917-1988

Professor Elizabeth L. Scott, a long time member of the faculty of the Department of Statistics at Berkeley, died unexpectedly on December 20, 1988.

Elizabeth Scott's academic career started at Berkeley where she received a BA in 1939 and a PhD in 1949. Both degrees were in Astronomy. During World War II she worked in the Statistical Laboratory that Jerzy Neyman had just started at Berkeley. This was real war work, mostly concerned with improving precision of air bombing. By 1948, when she published her first statistical paper, she had already co-authored 13 papers in Astronomy. Jerzy Neyman had led her to Statistics, she led him to Astronomy; the two of them wrote a long series of papers on the spatial distribution of galaxies.

In 1951 Elizabeth Scott was appointed Assistant Professor of Mathematics at U.C. Berkeley, becoming Associate Professor of Statistics in 1957 and Professor of Statistics in 1962.

Elizabeth Scott worked on a variety of statistical studies. One such study, joint with Neyman, was of weather modification (cloud seeding). That started in 1952. She was still working on a booklet on the subject at the time of her hospitalization. Also with Neyman, she published a series of papers on stochastic models for carcinogenesis. And, as part of a study on ozone depletion, Betty (as she was usually called) became an expert on skin cancer. She visited the U.C. San Francisco melanoma clinic every week.

In the early seventies Betty worked to promote the status of women in academia. She published several papers in which she compared salaries of faculty women with those of faculty men and found a substantial difference at equal qualifications nationally and locally. She was a role model for many aspiring young female scientists and took an active interest in their careers even after her retirement this past spring.

Betty was notable for her boundless energy. She was on several committees of the National Academy of Sciences and travelled often to Washington, D.C. She was also busy locally, taking care of complaints about Evans Hall (that is our building; Betty had a prominent role in its design and its maintenance. We used to joke that she owned it.)

Betty was a superb teacher who cared very deeply about her students. She single-handedly ran our Masters program for about 15 years, and in the last 7 years alone, she supervised the theses of 11 PhD students. She will be remembered as feisty by deans and warm and generous by the students and staff of the department. It was a personal commitment on her part to provide cakes for students and faculty working in Evans on Saturday afternoons.

Elizabeth Scott was internationally known. She had been president of the Institute of Mathematical Statistics, vice-president of the American Statistical Association and president of the Bernoulli Society. (She was a main force behind the organization of the First International meeting of the Bernoulli Society in Tashkent). She received many honors, including election as Honorary Fellow of the Royal Statistical Society. But to us, she will always be the one who cared deeply about the Department and the Laboratory.

The University of California Statistics Department will hold a memorial service for Betty on Friday, February 17 at the Alumni House (Berkeley Campus) at 3:30 p.m.

Donations can be made to the Elizabeth L. Scott Memorial Fund c/o Department of Statistics, University of California, Berkeley, CA 94720. It is the policy of the University of California, Berkeley and the University of California Berkeley Foundation that a portion of the gifts and the interest therefrom (2%) may be used to defray the costs of the administering the fund.

The Southern California Chapter of the American Statistical Association
announces the Eighth Annual
WORKSHOP IN APPLIED STATISTICS
On Friday, May 12, 1989, 8:30-4:30
at the Annenberg School of Communication
University of Southern California

HANDLING MISSING DATA: TECHNIQUES AND APPLICATIONS

presented by

Professor Donald B. Rubin
Department of Statistics
Harvard University

Professor Roderick J. Little
Department of Biomathematics
University of California, L.A.

ABSTRACT: Missing data is a pervasive problem in statistics. This workshop will a) survey ad-hoc historical approaches to missing data adjustment, b) describe principled approaches to the problem based on modeling the data and the missing-data mechanism, and c) discuss real applications, including missing data problems encountered by the workshop participants.

REGISTRATION INFORMATION: The registration fee is \$60 (\$30 for full time students). Admission to the program and exhibits area, one set of handouts, refreshments, and lunch are provided. The fee does not cover the cost of parking. Lunch cannot be guaranteed for registrations postmarked after 4/30.

REFUND INFORMATION; Refund requests should be addressed to Nancy Berman (address below). A \$10 service charge will be assessed for request received before April 30. Refund requests received after that date will not be honored.

FURTHER INFORMATION: Contact either

Nancy Berman or
Medical Center RB1-220
1124 West Carson
Torrance, Ca 90509
(213) 212 1874 (213) 476 2488

Roberta Madison
Department of Health Sciences (HLTH)
California State University
Northridge, CA 91330
(818) 885 4645 (213) 457 4627

REGISTRATION FORM: 8TH Annual Workshop in Statistics on May 12, 1989

Name: _____ Telephone () _____

Professional Affiliation: _____

Mailing Address: _____

Registration Type: Regular (\$60) Student (\$30)

Vegetarian Lunch () Receipt for Registration Fee Requested ()

Make your check or money order payable to "Workshop in Applied Statistics".
Return it and this form to: Professor Roberta E. Madison, Department of
Health Sciences (HLTH), California State University, Northridge, CA 91330

Chapter Order Form for ASA150 Items

Item	Unit Price	x	Quantity	=	Total Price
Koozies	\$ 1.40	x		=	(a)
Pens	\$ 1.50	x		=	(b)
Mugs	\$ 4.00	x		=	(c)
					=====
Total Order					_____
(a + b + c)					

Please enclose check payable to American Statistical Association, for amount of total order with this form and send to:

Mr. Todd Palmquist
 American Statistical Association
 1429 Duke St.
 Alexandria, VA 22314
 ATTN: ASA150 - Council of Chapters

You will be billed separately for shipping!

Chapter Name: _____

Ship to: _____

Name _____

Address _____

Address _____

City _____ State _____ Zip _____

EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, Systems Applications Inc., San Rafael

RESPONSIBILITIES: Analysis of air and water pollution data. Analyses require originality and ingenuity; thus imaginative approaches to probing and presenting data are sought. Conscientiousness concerning the accuracy, appropriateness, and timeliness of results is essential.

REQUIREMENTS: Ph.D in statistics. Oral and written communication skills necessary to present results to clients. Some statistical consulting experience is preferred, especially in the physical sciences. Ability to use statistical packages (SAS preferred) is required.

COMPANY: Systems Applications, Inc. is an environmental consulting firm in Marin county, providing consulting services related to air and water pollution to the U.S. EPA and other governmental and industrial organizations.

SEND RESUME: Job #4-P-89BA, Systems Applications Inc. 101 Lucas Valley Road, San Rafael CA 94903. Include salary requirements. AA/EEO

2. STATISTICIAN, ICI Americas Inc., Richmond

RESPONSIBILITIES: Consult with and assist chemists with experimental design, statistical data analysis and in interpreting results.

REQUIREMENTS: Advanced degree in statistics. Statistical consulting experience desirable. Knowledge of experimental design (preferably industrial screening designs, fractional factorials, response surfaces, mixture designs) AOV regression. SAS experience. Experience with other statistical methods or design/analysis of software is a plus. Excellent written and verbal communication skills.

COMPANY: ICI Americas, Inc. is a diversified chemical/pharmaceutical company and a world leader in the agricultural chemicals business. This position is in the Agricultural Products Western Research Center in Richmond, CA.

SEND RESUME: Ms. K. D. MacLaren, ICI Americas, Inc. 1200 South 47th Street, Box 4023, Richmond CA 94804-0023. Please include salary history. AA/EEO

3. RESEARCH ANALYST, CHEVRON CORP. MEDICAL STAFF, S.F.

RESPONSIBILITIES: Management and analysis of data from occupational cohort studies, ad hoc epidemiological investigations, health evaluation, and Chevron's morbidity and mortality surveillance systems..

REQUIREMENTS: Masters degree in Public Health or related field and experience in data analysis are required. Ability to use SAS and database management software are desirable.

SEND RESUME: Dr. Kenneth Satin, Medical Department, Room 1359, Chevron Corporation, 225 Bush Street, San Francisco CA 94104.. above.

NOTICES:

AMERICAN SOCIETY FOR QUALITY CONTROL - CALL FOR PAPERS.

The American Society for Quality Control (ASQC) Region 7 Statistics division is currently planning a "Statistical Applications in Quality Assurance and Reliability" conference one JUNE 2 and 3, 1989. This conference will be sponsored by the Southern California ASA and the University of California at Riverside statistics department.

Papers should illustrate the use of statistics in diverse applications and disciplines such as quality of design and productivity, process control, quality audit and reliability and the impact of these disciplines on quality costs such as scrap and rework rates and Total quality Management (TQM) and planning.

Submit title , abstract and a short biography by **March 1, 1989** to Rodney Green, Program Chairman, c/o Kennedy Company, Division of Shugart, 1600 Shamrock Ave, Monrovia CA 91016. (818)357-8831 x513.

ASA SESQUICENTENNIAL SOUVENIRS - Order Now.

Three items are available:

KOOZIES (Insulated beverage can holders) Light blue with a dark blue ASA150 seal. \$1.40 plus shipping.

PENS (by Schaefer, large barrel, ball point) dark blue with silver ASA150 imprint. \$1.50 plus shipping.

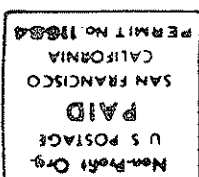
MUGS (Ironstone), tentatively grey with rose imprint of ASA150 seal. \$4.00 plus shipping.

Use the attached order form.

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AMERICAN STATISTICAL ASSOCIATION
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American Statistical Association

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CALENDAR OF TALKS

JANUARY 11, 1989	Wednesday	David C Trindale, Advanced Micro Devices
JANUARY 17, 1989	Tuesday	J. Richard Landis, Penn. State U.
JANUARY 19, 1989	Thursday	Mark DiCamillo, Field Research

BIostatISTICS PROGRAM

SPEAKER: J. Richard Landis
Center for Biostatistics and Epidemiology, Penn. State U.

Dr. Landis was on the faculty of the Biostatistics Department at the University of Michigan(Ann Arbor) for 13 years before moving to his present position this autumn. He has done research and published extensively in the area of categorical data analysis.

TOPIC: "SOME STATISTICAL ISSUES IN THE BLOOD PRESSURE/BLOOD LEAD CONTROVERSY"

DATE: January 17, 1989 (Tuesday)
6:00 Cocktails (Cash Bar)
6:30 Dinner
7:30 Presentation

PLACE: Sofia Restaurant
2121 El Camino Real, San Mateo
Sofia is at the corner of El Camino and 21st Street, two blocks South of highway 92.

PRICE: \$13.00 for dinner (Soup/Salad, Entree, Dessert, Coffee)

RESERVATIONS: Call Kelvin Lee (415) 852-3253 by January 12 with your choice of entree (veal parmigiana, chicken cacciatore, or fish du jour). Chapter members should feel no obligation to join us for dinner; if there is a schedule conflict, feel free to come at 7:30 just for the talk, but let Kelvin know. Same telephone number can be used for reservation cancellations.

GENERAL APPLICATION PROGRAM

SPEAKER: Mark Di Camillo
Managing Director, Field Institute

TOPIC: "PRE ELECTION POLL, METHODOLOGY OF TELEPHONE SURVEYS"

DATE: January 19, 1989 (Thursday)
11:30 Coffee
12:00 Lunch and Presentation

PLACE: PLACE: Bank of America
180 Montgomery, 8th floor Conference Room C
San Francisco

Arlene Frazier will take reservations for a box lunch from the local delicatessen. Cost \$5.50. Phone (415) 622-8422.

Mike Tarter
Liz Kay

Liz Kay

Karen Jones re whole chapter
Liz Kay

COUNSEL OF CHAPTERS REP.
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(916) 752-7623

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TREASURER
Anna Bagniewski
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SECRETARY
Rose Ray
(415) 856-9400

ASQC TASK GROUP REP.
Fred Khorasani
(408) 765-9318

ASQC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 765-9325

Barbara Korn
Billy Owen

APPLICANT:

POSITION DESIRED: Mathematical Statistician

EXPERIENCE: Ten years (last four as a manager) at the U.S. Census Bureau. Experience in survey design, estimation procedures, technical report writing, oral presentations, methods for data collection, processing, and statistical analysis. Familiar with FORTRAN programming and statistical packages (SPSS, Minitab, SAS and BMDP). Versed in Deming's management philosophy.

EDUCATION: M.A. in Applied Math/Statistics, U.C. Santa Barbara, 1978

CONTACT: Robert Edson (703) 971-0245 after 3pm (Pacific)

EMPLOYMENT OPPORTUNITIES

STATISTICIAN, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: M.A. or Ph.D in statistics or related field. Experience with analysis of large volume databases. SAS or other statistical analysis packages is essential. Engineering background is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# RR 9.23.
Equal Opportunity Employer.

CHAPTER NEWS: Three chapter members were elected ASA Fellows in 1988.

JULIET POPPER SCHAFFER, Senior Lecturer, Department of Statistics, U.C. Berkeley; for significant contributions to the theory and methods of multiple comparisons, for excellence in teaching and consulting, for dedicated editing of applied statistics journals, and for service to the ASA.

ROBERT H. SHUMWAY, Professor, Division of Statistics, U.C. Davis; for significant contributions to the theory of time series and signal detection; for outstanding statistical applications in oil and water sciences, seismology, and health sciences; and for consulting and teaching skills.

ABRAHAM SILVERS, Senior Project Manager, Electric Power Research Institute, and Adjunct Professor of Epidemiology (Biostatistics), U.C. San Francisco; for major contributions to risk assessment and compartmental analyses, for consultive expertise in clinical trials and in heart and cancer research, and for outstanding leadership as a statistical administrator.



Statistics Task Group of ASQC

(Santa Clara Valley Section)

Analysis of Reliability Data with Failures from a Defective Subpopulation

David C. Trindade, Ph.D.
Director, Applied Statistics
Advanced Micro Devices

Most reliability analysis is based on the assumption that all units under stress will eventually fail for a specific mechanism. However, in practical applications, we often encounter defective subpopulations: a fraction of the units under stress contain flaws that lead to failure. Once the faulty units in the defective subpopulation fail, the surviving components experience no further fails for that mechanism. In this talk, Dr. Trindade will discuss appropriate procedures to defect and analyze such lifetest data. He will also describe the use of burn-in to screen out even those mechanisms classified as having an increasing failure rate (wearout). An actual case history involving mobile ionic contamination integrated circuits will be presented.

Wednesday, 7:00 P.M.

January 11, 1989

Intel Corporation Auditorium (Building SC9)
2250 Mission College Blvd, Santa Clara

From Highway 101 in Santa Clara, take Montague Expressway east to the first stop light. Turn left onto Mission College Boulevard. At the first stop light, turn left into the Intel parking lot.

For further information call Curt Engelhard at (408)765-9325

Some Interesting Statistics:

Ninety-two point four percent of juvenile delinquents have eaten tomatoes.

Eighty-seven point one percent of the adult criminals in penitentiaries throughout the United States have eaten tomatoes.

Informers reliably confirm that of all known American Communists, ninety-two point three percent have eaten tomatoes.

Eighty-four percent of all people killed in automobile accidents during the year 1980 had eaten tomatoes.

Those who object to singling out specific groups for statistical proofs require measurements within a total. Of those people born before the year 1850, regardless of race, color, creed or caste, and known to have eaten tomatoes, there has been one hundred percent mortality!

In spite of their dread addiction, a few tomato eaters born between 1850 to 1900 still manage to survive, but the clinical picture is poor—their bones are brittle, their movements feeble, their skin seamed and wrinkled, their eyesight failing, hair falling, and frequently they have lost all their teeth.

Those born between 1900 and 1925 number somewhat more survivors, but the overt signs of the addiction's dread effects differ not in kind but only in degree of deterioration. Prognostication is not hopeful.

Don't let this happen to you!

Exhaustive experiments show that when tomatoes are withheld from an addict, invariably his cravings will cause him to turn to substitutes—such as oranges, or steak and potatoes. If both tomatoes and all substitutes are persistently withheld, death invariably results within a short time.

The skeptic of apocryphal statistics, or the stubborn nonconformist who will not accept the clearly proved conclusions of others, may conduct his own experiment.

Obtain two dozen tomatoes (they may actually be purchased within a block of some high schools, or discovered growing in a respected neighbor's back yard)—crush them to a pulp in exactly the state they would have if introduced into the stomach, pour the vile juice and pulp into a bowl, and place a goldfish therein.

Within minutes the goldfish will be dead!

Those who argue that what affects a goldfish might not apply to a human being may, at their own choice, wish to conduct a direct experiment by fully immersing a live human head into the mixture for a full five minutes.

The results are almost always conclusive.

WARNING: It has been determined that statistics, if left unqualified or misdirected, can be hazardous to your advertising message. Consult your local ad agency. If problem persists, seek a second opinion.

A message in the interest of accuracy in advertising from
THOMAS J RAHM, Advertising and Public Relations.

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THE

D R E A D T O M A T O

AAAS Annual Meeting
15-20 January 1989
San Francisco Hilton

The annual meeting of the American Association for the Advancement of Science will be held concurrently with the joint annual meeting of the American Association of Physics Teachers and the American Physical Society.

The American Statistical Association is an affiliated society of the AAAS and, together with the AAAS Section on Statistics, is sponsoring or cosponsoring more than a dozen symposia and technical sessions of interest to statisticians.

PRELIMINARY PROGRAM INFORMATION (Title. Organizer(s) - Speakers. Day/time)

- Statistical Description and Modeling of Spatial Variability: Theory and Applications (3 sessions): Paul Switzer, Stanford - A. Owen, Y. Vardi, M. Stein, D. Myers; S. Geng, E. Englund, G. Flatman, G. Uehara, K. G. Cassman, L. Gelber; M. F. Goodchild, J. Dangermond, S. J. Walsh, J. E. Estes. Sun/am,pm; Mon/am
- Modelling the AIDS Epidemic. Agnes M. Herzberg, Imperial College & P. A. Lachenbruch, UCLA - L. Billard, R. Elashoff, M. Gail, S. W. Lagakos. Wed/pm
- Clinical Trials of AIDS Drugs and Vaccines: Issues of Science, Ethics, and Confidentiality. Deborah Runkle, AAAS & Marvin Zelen, Harvard - S. Nightingale, W. Curran, R. Gelber, L. Corey, D. Hoth. Thu/pm
- The Evolving National Program for the Assessment of the Quality of Medical Care. Henry Krakauer & R. Clifton Bailey, Health Care Financing Admin. - H. Krakauer, K. Lohr, P. Batalden, A. Donabedian, J. Sisk. Wed/am .
- Has Risk Assessment Become Too Conservative? Adam M. Finkel, Resources for the Future - W. Farland, R. L. Sielken, Jr., John C. Bailar III, K. S. Crump. Sun/pm
- Risk Assessment and Environmental Policy: New Directions (2 sessions). Thomas E. McKone, Lawrence Livermore. K. Sexton, R. Coppock, J. C. Davies, D. Hattis, D. W. North; W. R. Ott, L. B. Ellwin, C. Harris, L. Zeise. Mon/am,pm
- The 1987 National Surveys of Hazardous Waste Management Facilities. John L. Warren, Research Triangle Institute - J. L. Warren, J. W. Craig, S. Caldwell, P. Smith, D. Allen. Wed/am
- New Data on the American Family. Joseph E. Potter, Harvard & James A. Sweet, University of Wisconsin. Wed/pm
- Quality and its Impact on Competitiveness. H. James Harrington, ASQC & Walter L. Hurd, International Academy for Quality. Tue/pm
- Statistics in Product and Process Design from Eli Whitney to the Present. William A. Golomski, W. A. Golomski & Assoc. - L. Oh, W. T. Fuller, A. A. Aswad, M. Flynn, W. A. Golomski. Wed/am

Values, Policy Controversies and the 1990 Census (2 sessions). Patrick Burns,
Federation for American Immigration Reform & Rachele Hollander, NSF. Tue/am,pm

Developments in the Use of Federal Government Economic Statistics for Scientific
Research. Karen R. Polenske, MIT - F. Williams, F. Goto, D. Rice, F. T. Juster,
K. R. Polenske, S. Robinson. Thu/am

Some Results on the Application of Cognitive Laboratory Research Techniques to
Survey Methodology. Cathryn S. Dippo, Bureau of Labor Statistics - P.
Campanelli, M. Palmisano, J. Lessler, C. Tucker, M. Sirken. Sun/am

Sociologists and Statisticians: A Sesquicentennial Partnership. William A.
Golomski, W. A. Golomski & Assoc. - L. A. Goodman, J. Tanur, I. Berg, C. R.
Block. Wed/pm

Cross-National Measurements of Public Understanding of Science and Technology.
Jon D. Miller, Northern Illinois Univ. Tue/pm

Sharing Scientific Data: A Cross-Disciplinary Examination of Accomplishments,
Problems and Prospects. Joan E. Sieber, California State Univ., Hayward - M.
David, R. Jenne, D. White, D. Blanchard, V. J. Evans, A. Weiss, V. Weil. Wed/pm

INFORMATION - Registration information is available from

AAAS Meetings Office
1333 H Street NW
Washington, DC 20005

ASA Committee of Representatives to AAAS

Nancy Flournoy, chair
R. Clifton Bailey, vice-chair

AAAS Section on Statistics

Judith M. Tanur, chair
Joan R. Rosenblatt, secretary



CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

Anna Bagniewska
Syntex Labs
3401 Hillview Avenue L-2500
Palo Alto, CA 94304

AAAS ANNUAL MEETING JAN 15-20 in San Francisco

The AAAS annual meeting will be January 15-20, 1989 at the San Francisco Hilton. There are several sessions of special interest to statisticians. A preliminary program and registration information is enclosed in this month's newsletter.

READ ABOUT THE KILLER TOMATOES

Arlene Frazier forwards the enclosed statistics on tomatoes. Hope you enjoy this article.

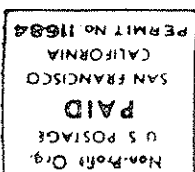
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CALENDAR OF FUTURE TALKS

General Applications Programs:

DECEMBER 1, 1988 THURSDAY Prof. Robert Shumway, UC Davis
JANUARY 19, 1989 THURSDAY Mark DiCamillo, Field Research

JOINT GENERAL APPLICATIONS AND BIostatISTICS

SPEAKER: Professor Robert Shumway
UC Davis

TOPIC: "ESTIMATING MEANS IN CENSORED SAMPLES UNDER TRANSFORMATION"

Reporting procedures for potentially toxic pollutants are complicated by the fact that concentrations are measured using small samples that include a number of observations lying below some detection limit. Furthermore there are often a small number of high concentrations observed in combination with a substantial number of low concentrations. The above configuration produces small non-normally distributed samples with censoring.

This talk proposes a procedure for computing improved estimators for the means of censored samples that can be transformed to normality. The method estimates the optimal power transformation in the Box-Cox family by searching the censored data likelihood. Maximum likelihood estimators for the mean of the transformed scale are calculated via the EM algorithm. Maximum likelihood estimators in the original scale are computed as functions of the estimated mean and variance in the transformed population. Confidence intervals are computed using the delta method and the nonparametric percentile and bias-corrected percentile versions of Efron's bootstrap.

A simulation study over sampling configurations expected with environmental data indicates that the delta method combined with a reliable value for the power transformation produces intervals with better coverage properties than are yielded by the bootstrap.

DATE: December 1, 1988 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Room 400
Golden Gate University
536 Mission Street
San Francisco, CA

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(415) 856-9400

ASQC TASK GROUP REP.
Fred Khorasani
(408) 765-9318

ASQC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 765-9325

APPLICANT:

POSITION DESIRED: Mathematical Statistician

EXPERIENCE: Ten years (last four as a manager) at the U.S. Census Bureau. Experience in survey design, estimation procedures, technical report writing, oral presentations, methods for data collection, processing, and statistical analysis. Familiar with FORTRAN programming and statistical packages (SPSS, Minitab, SAS and BMDP). Versed in Deming's management philosophy.

EDUCATION: M.A. in Applied Math/Statistics, U.C. Santa Barbara, 1978

CONTACT: Robert Edson (703) 971-0245 after 3pm (Pacific)

EMPLOYMENT OPPORTUNITIES

1. **STATISTICIAN**, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: M.A. or Ph.D in statistics or related field. Experience with analysis of large volume databases. SAS or other statistical analysis packages is essential. Engineering background is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# RR 9.23.
Equal Opportunity Employer.

2. **SR STATISTICIAN**, Systems Applications Inc.

RESPONSIBILITIES: Perform exploratory and confirmatory data analyses in support of the U.S. Environmental protection Agency. Analyses require originality and ingenuity; there is much opportunity for professional growth. May participate in marketing activities.

REQUIREMENTS: PhD in statistics or equivalent with at least one year of statistical consulting experience. Ability to program in FORTRAN, SAS, Minitab, BMDP, or other statistical packages. Must have be able to present results clearly to clients.

SEND RESUME: JOB #4-P 89, Systems Applications Inc., 101 Lucas Valley Road, San Rafael, CA 94903. Please indicate salary expectations and referral source.

EMPLOYMENT OPPORTUNITIES (CONTINUED):

3. STATISTICIAN, UCSF, Dept of Epidemiology & Internal. Health

RESPONSIBILITIES: Conduct statistical analysis national health surveys using multivariate and weighted analyses with prewritten statistical programs. Adapt or modify computer programs for use in analyzing survey data. Create, document and maintain computer data files. Advise senior staff on data processing options.

REQUIREMENTS: MA or equivalent in Biostatistics. Strong SAS or SPSSX. Experience with survey research and complex sample survey design desirable. Interest and capability to conduct analyses of a large national data set employing a complex sampling design is required.

SEND RESUME: John Neuhaus or Maradee Davis, Dept. of Epidemiology and Intl. Health, UCSF, San Francisco, CA 94143-0560.
Phone (415) 476-2528.

4. BIOANALYST, Syntex, Palo Alto

RESPONSIBILITIES: Analyze data from clinical trials. Understand and interpret statistical analyses, generate summary tables and graphs for presentation.

REQUIREMENTS: MA in Statistics or Biostatistics. Three years experience in data analysis and computer programming. SAS programming and strong microcomputer skills.

SEND RESUME: Carol A. Francisco, 3401 Hillview Avenue, Palo Alto, CA 94304.
Phone (415) 354-7141.

CHAPTER NEWS: Barbara Kamm has been elected District Governor, District 7 for the ASA Council of Chapters. Barbara previously served as the SF Bay chapter representative to the Council of Chapters; she will serve a two year term, 1989-1990, as Council Governor.

CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

Anna Bagniewska
Syntex Labs
3402 Hillview Avenue A4-200
Palo Alto, CA 94303

ANNOUNCEMENTS:

Stanford Students Invite You to Lunch: Participate in STATS.

The students at the Statistics Department of Stanford University have a new program "Statisticians Together to Augment Training at Stanford" of STATS. The program consists of a series of informal luncheons with several students meeting a corporate statistician. The purpose of STATS is to supplement the theoretical training that the students receive with a practical sense of how statistics are used in the real world. We basically just want to know what it is that statisticians do for different corporations. We are looking for non academic statisticians to take part in the program. You will be able to choose the time, date, location and number of students ~~that~~ you would like to meet.

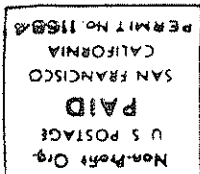
CONTACT: Vance Berger, Director STATS, Dept. of Statistics, Sequoia Hall, Stanford, CA 94305. Phone (415)723-2213. or vance@playfair.stanford.edu.

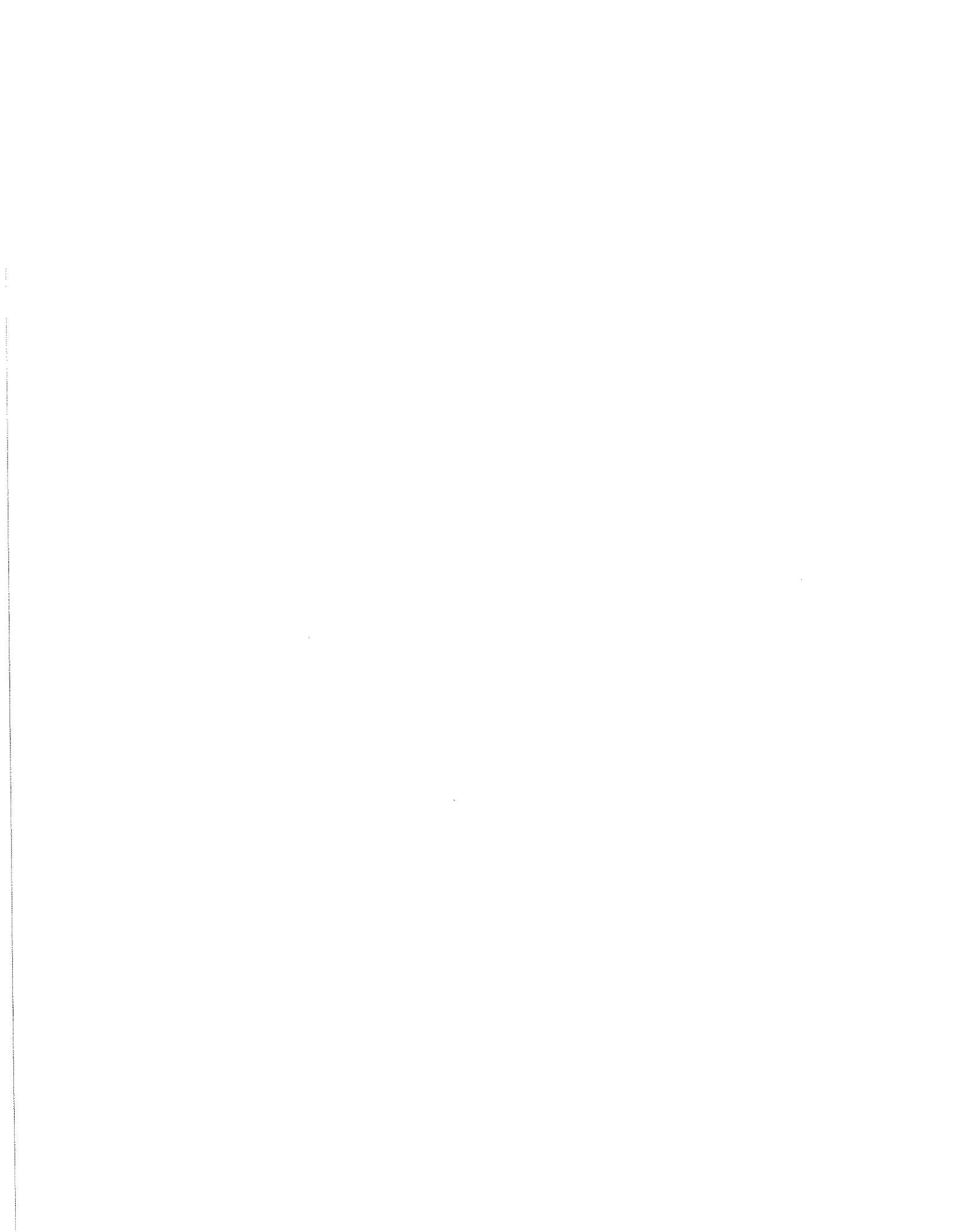
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CALENDAR

General Applications

NOVEMBER 3, 1988	THURSDAY	Dr. Paul Tukey, BELLCOR
DECEMBER 1, 1988	THURSDAY	Prof. Robert Shumway, UC Davis
JANUARY 19, 1989	THURSDAY	Mark DiCamillo, Field Research

JOINT GENERAL APPLICATIONS PROGRAM

SPEAKER: Paul Tukey
BELLCOR

TOPIC: "MULTIVARIATE & DYNAMIC GRAPHICS FOR DATA ANALYSIS"

Dr. Tukey will be discussing computer programs which can be used to dynamically display data in multiple dimensions. Strategies for the use of these programs to understand and describe complex multivariate data will be given.

There will be a demonstration of this technology.

DATE: November 3, 1988 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: 1011 Evans Hall
University of California
Berkeley, California

Professor Mike Tarter has kindly offered to be the local host. Refreshment will be served at his home following the presentation. Directions will be provided at the meeting.

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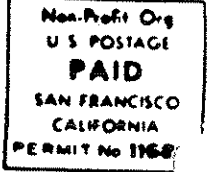
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ASOC STATISTICAL TASK GROUP
Curtis Engelhard
(408) 785-9325



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American Statistical Association

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EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: M.A. or Ph.D. in statistics or related field. Experience with analysis of large volume databases. SAS or other statistical analysis packages is essential. Engineering background is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering systems and product failures.

SOUND RECORD: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD8 RR 9.23. Equal Opportunity Employer.

2. ASSISTANT CHIEF, V.A. Med Center, Palo Alto (\$47,479-\$60,683)

RESPONSIBILITIES: Assist in the training and supervision of a biostatistical and data processing staff. Plan and conduct final analysis of multi-center clinical trials.

REQUIREMENTS: PhD in statistics, biostatistics or related field; 3 years experience.

SOUND RECORD: Kenneth E. James, Ph.D., Chief, Cooperative Studies Program Coordinating Center (151K), V.A. Medical Center, 3801 Miranda Avenue, Palo Alto, CA 94304.

2. SR. BIostatistician, V.A. Med Center, Palo Alto (\$47,479-\$60,683)

RESPONSIBILITIES: Consult with medical investigators in the design, conduct and analysis of multi-center clinical trials. Statistical/methodological research related to clinical trials.

REQUIREMENTS: Ph.D. in statistics, biostatistics or related field.

SOUND RECORD: see 2. above.

NOTICES: SPEAKERS WANTED

Would you like to make an hour long presentation on any statistical topic? Would you like to suggest someone to give a presentation at a local meeting? Do you have information about visiting statisticians who could be contacted to give an invited talk?

CONTACT: Reilyn Lee, Vice President Biostatistical Programs, in Palo Alto at (415) 852-3253, or Dean Fearn, Vice President General Applications Programs in Hayward at (415) 537-3439.



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR

OCTOBER 20, 1988, THURSDAY Joint General Applications and Biostatistical Program

JOINT GENERAL APPLICATIONS AND BIostatistical PROGRAM

SPEAKER: Peter A. Lachenbruch
Professor of Biostatistics
UCLA School of Public Health

TOPIC: "THE STATISTICIAN AS COMPUTER CENTER"

The parallels between operating a computer center and using one's own personal computer will be discussed. These include decisions on purchase and maintenance; stability of environment; dangers; and budgetary considerations. Various models of operation will be considered: the 'independent' operation, departmental support and institutional support models.

Sources of information include trade publications, professional publications, and colleagues. Each is valuable and each has its limitations.

Criteria for evaluating computer programs will be considered: needs, ease of use, procedures available, and input and output availability. Some commonly available programs will be assessed in this light.

DATE: October 20, 1988 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Schultz Auditorium
HRP Building Stanford University

Directions: From El Camino in Palo Alto, drive onto Palm Drive heading toward the university. At Campus Drive, turn right. The HRP building will be on your left between the museum and the multi-story parking structure in which free parking is available. Contact Kelvin Lee (415) 852-3253 for more detailed directions.

Professor Bill Brown has kindly offered to be the local host. Refreshment will be served at his home following the presentation. Directions will be provided at the meeting.

Although there will be no charge for this meeting, the chapter would like to get an idea of the attendance. Please notify Dean Fearn (415) 537-3439 or Kelvin Lee (415) 852-3253, by OCTOBER 18.

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**VICE-PRESIDENT
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(415) 823-9020

**VICE-PRESIDENT
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Kelvin K. Lee
(415) 493-5000 x2181

SECRETARY
Arlene Frazier
(415) 622-8422

TREASURER
Anna Bagniewska
(415) 855-5289

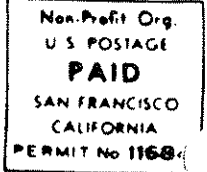
**COUNCIL OF CHAPTERS
REPRESENTATIVE**
Barbara Kamm
(415) 855-6163



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American Statistical Association

921 Regal Rd.
Berkeley CA 94708

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EMPLOYMENT OPPORTUNITIES

1. STATISTICIAN, FAILURE ANALYSIS ASSOCIATES

RESPONSIBILITIES: Use methods of statistical epidemiology in the analysis of large volumes of accident data. Coordinate and manage tasks performed by research assistants.

REQUIREMENTS: M.A. or Ph.D. in statistics or related field. Experience with analysis of large volume databases. SAS or other statistical analysis packages is essential. Engineering background is an advantage.

COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.

SEND RESUME: Personnel Manager, Failure Analysis Associates, P.O. Box 51470, Palo Alto, CA 94303. Reference AD# RR 9.23. Equal Opportunity Employer.

2. ASSISTANT CHIEF, V.A. Med Center, Palo Alto (547,479-560,683)

RESPONSIBILITIES: Assist in the training and supervision of a biostatistical and data processing staff. Plan and conduct final analysis of multi-center clinical trials.

REQUIREMENTS: PhD in statistics, biostatistics or related field; 3 years experience.

SEND RESUME: Kenneth E. James, Ph.D., Chief, Cooperative Studies Program Coordinating Center (151K), V.A. Medical Center, 3801 Miranda Avenue, Palo Alto, CA 94304.

2. SR BIostatistician, V.A. Med Center, Palo Alto (547,479-60,683)

RESPONSIBILITIES: Consult with medical investigators in the design, conduct and analysis of multi-center clinical trials. Statistical/methodological research related to clinical trials.

REQUIREMENTS: Ph.D. in statistics, biostatistics or related field.

SEND RESUME: see 2. above.

NOTICES: SPEAKERS WANTED

Would you like to make an hour long presentation on any statistical topic? Would you like to suggest someone to give a presentation at a local meeting? Do you have information about visiting statisticians who could be contacted to give an invited talk?

CONTACT: Kelvin Lee, Vice President Biostatistical Programs, in Palo Alto at (415) 852-3253, or Dean Fearn, Vice President General Applications Programs in Hayward at (415) 537-3439.

June 7, 1988

SPECIAL SUPPLEMENT

STATISTICS TASK GROUP OF ASQC

SPEAKER: Khushroobanu Shaikh, Hewlett Packard

TOPIC: Does Success Have a Secret?

Quality function deployment (QFD) can help you design better products and services. QFD is a systematic method of considering customers needs and demands during the design phase. Dr. Shaikh will explain the concepts of QFD and illustrate their implementation.

DATE: WEDNESDAY, June 29, 1988 7:00 P.M.

PLACE: Intel Corporation Auditorium (Building SC9)
3601 Juliette Lane, Santa Clara

INFORMATION: Call Curt Engelhard (408) 765-9325

MORE EMPLOYMENT OPPORTUNITITES

1. CLINICAL TRIALS DATA COMPLIANCE ANALYST

RESPONSIBILITIES: Create, perform, and report data quality monitoring procedures for clinical data management. Assist programming for clinical data management, including error detection and correction. Assist development and implementation of procedures to ensure data integrity.

REQUIREMENTS: A BA/BS, clinical data management experience, and expertise with SAS, ORACLE, RSI, or equivalent are required.

SEND RESUME: Employee Relations, Triton Biosciences Inc. Box CA, 1501 Harbor Bay Parkway, Alameda, CA 94501.

2. CLINICAL TRIALS DATA PROCESSING SUPERVISOR

RESPONSIBILITIES: Supervise computerized data management for clinical trials of pharmaceutical products and assist ongoing development of a growing department.

REQUIREMENTS: A BA/BS, experience with research data management, experience with database software or programming experience, and supervisory ability are required.

SEND RESUME: Employee Relations, Triton Biosciences Inc. Box DPS, 1501 Harbor Bay Parkway, Alameda, CA 94501.

3. SENIOR BIOSTATISTICIAN

RESPONSIBILITIES: Assist study design, direct analysis, and write statistical reports for individual clinical trials and for FDA submission combining results from multiple studies.

REQUIREMENTS: A Ph.D. in Biostatistics or Statistics, strong communication and leadership skills, experience with clinical trials, survival analysis, and repeated measures analysis, and experience with submission of PLAs or NDAs are required.

SEND RESUME: Employee Relations, Triton Biosciences Inc. Box BT, 1501 Harbor Bay Parkway, Alameda, CA 94501.

4. DATA ANALYSIS ASSISTANT--SUMMER INTERN

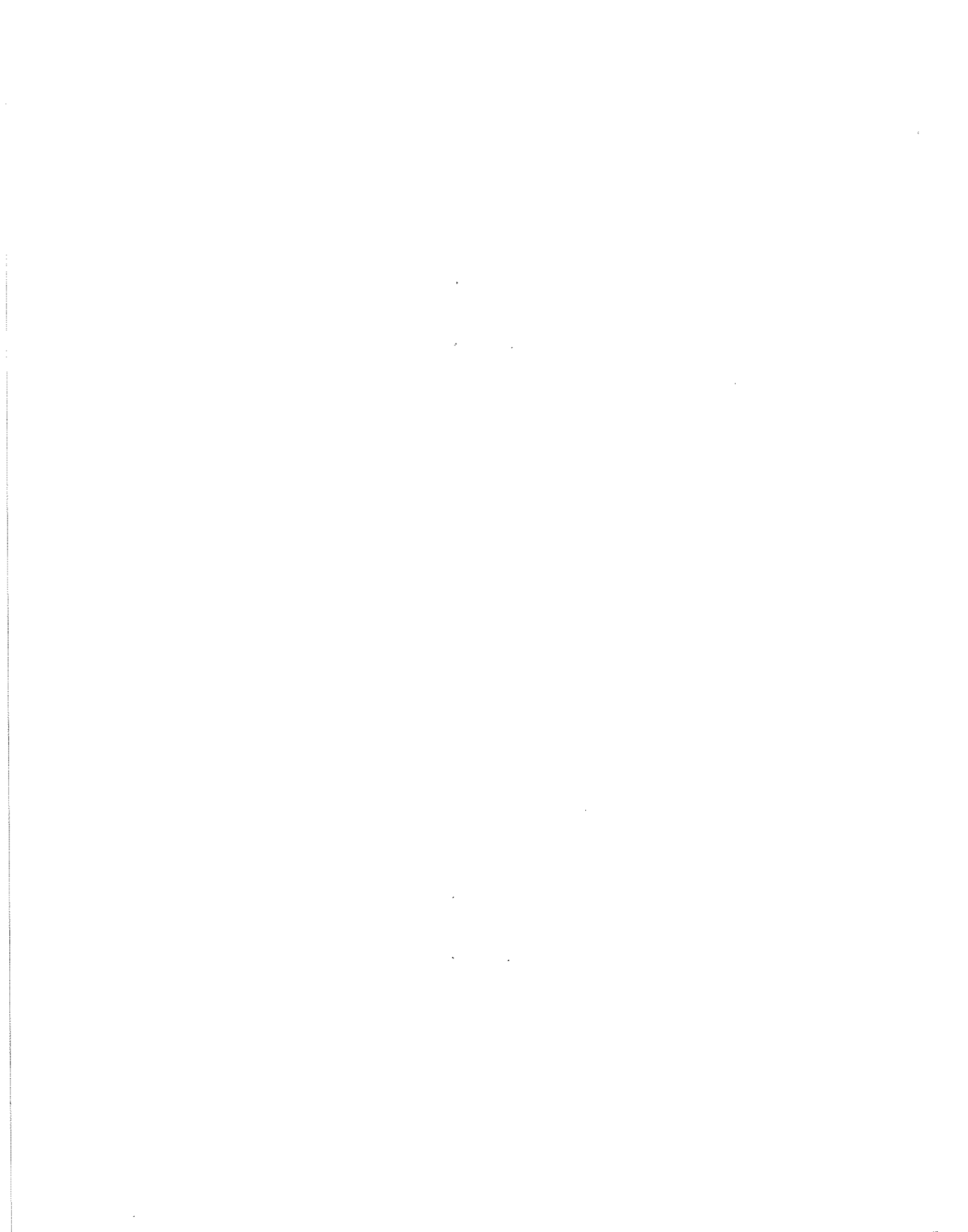
RESPONSIBILITIES: Analyze clinical data and assist in developing graphics for display of data for reports to Food and Drug Administration.

REQUIREMENTS: Statistics major or minor. Should be familiar with statistics software such as SAS, SYSTAT, STATVIEW. Familiarity with spreadsheets and/or computer coursework a plus.

TIME COMMITMENT: Full-time during the summer.

SALARY: \$1050-\$1400 per month.

SEND TO: Manager, Human Resources, Becton Dickinson Immunocytometry Systems, 2375 Garcia Avenue, Mountain View, CA 94039: your resume, cover letter on your strengths and interests in this position, most recent transcripts.





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

June 7, 1988

COME TO OUR ANNUAL BUSINESS MEETING!

JUNE 1987 CALENDAR

JUNE 30 THURSDAY A NEW SURVIVAL DISTRIBUTION
(Joint General Applications and
Biostatistics Program)
Annual Business Meeting

JOINT GENERAL APPLICATIONS AND BIostatistical PROGRAMS

SPEAKER: Chin Long Chiang, Ph.D.
Professor of Biostatistics
University of California (Berkeley)

TOPIC: A NEW SURVIVAL DISTRIBUTION WITH APPLICATION TO CANCER RISK ANALYSIS.

A stochastic model of survival distribution will be presented where the mortality intensity is a function of the accumulated effect of an individual's continuous exposure to toxic material in the environment (absorbing coefficient) and his biological reaction to the toxin absorbed (discharging coefficient). Formulas for the density function, the distribution function, and the expectation of lifetime will be presented. A method of estimation will be given. Special cases where there is a change in the exposure level, or where exposure is discontinued, or where exposure is discrete in time, will be discussed.

Results of this model applied to a real experiment will be given.

DATE: THURSDAY June 30, 1988
3:30-4:00 Refreshments
4:00-5:00 Presentation
5:00- Annual Business Meeting

PRICE: Free of charge

PLACE: Golden Gate University, Room 500
536 Mission Street, San Francisco
(Between 1st and 2nd Streets/close to Embarcadero BART)

RESERVATIONS: Call Loren Schoof (415) 823-9020 by June 28.

ANNUAL BUSINESS MEETING

The Annual Business Meeting will be held immediately after the joint meeting of the General Applications and Biostatistical Programs. The agenda of the meeting will include the election of officers for 1988-1989, the President's farewell remarks, the Treasurer's reports, and any other business which needs to be addressed. This will be the last meeting until September.

PRESIDENT
Alvin D. Wiggins
(916) 752-7623

PRESIDENT-ELECT
Abraham Silvers
(415) 855-2615

**VICE-PRESIDENT
GENERAL APPLICATIONS
PROGRAMS**
Loren Schoof
(415) 823-9020

**VICE-PRESIDENT
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(415) 493-5000 x2181

SECRETARY
Arlene Frazier
(415) 622-8422

TREASURER
Anna Bagniewska
(415) 855-5289

**COUNCIL OF CHAPTERS
REPRESENTATIVE**
Barbara Kamm
(415) 855-6163

According to the Constitution of the S. F. Bay Area Chapter of the ASA, this year's PRESIDENT-ELECT, **Abraham Silvers**, Electric Power Research Institute, automatically succeeds to the office of PRESIDENT for 1988-89. The 1988 Chapter Nominations Committee comprised of Nick Jewell, Andrea Lash, and Elizabeth King, Chairman, is pleased to recommend the following slate of officers for the term, July 1, 1988 to June 30, 1989 plus the Council of Chapters Representative for the two-year term, 1989 through 1990.

PRESIDENT-ELECT: **Florence van Geem**
Kaiser Foundation Health Plan

VICE PRESIDENT, GENERAL APPLICATIONS PROGRAMS: **Dean Fearn**
California State University, Hayward

VICE PRESIDENT, BIOSTATISTICAL PROGRAMS: **Kelvin K. Lee**
Veterans Administration

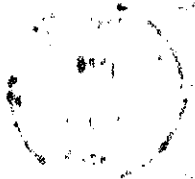
SECRETARY: **Rose Ray**
Failure Analysis Associates

TREASURER: **Anna Bagniewska**
Syntex Labs

COUNCIL of CHAPTERS REPRESENTATIVE (1989-1990): **Alvin D. Wiggins**
University of California, Davis

CONDOLENCES

Joe Doyle, who was a very active member of the SF Bay Area Chapter of ASA and the National ASA, passed away April 9, 1988. Joe was Chapter president in 1979 and attended meetings regularly. We will miss Joe and we will remember his many contributions to ASA. We send our condolences to his family.



EMPLOYMENT OPPORTUNITIES

STATISTICIAN, LOCKHEED MISSILES & SPACE CO.

RESPONSIBILITIES: Determine the specific approach, including the mathematical/statistical methodology for the solution of a complex reliability/management decision problem and perform the numerical analyses, which will contribute to the solution. Record and evaluate such analyses in technical reports, which may be the basis for management decisions. Anticipate future needs and work out possible analytical methods of solution of these problems.

REQUIREMENTS: M.S. Degree in Statistics or Biostatistics
U.S. Citizenship

SEND RESUME: J. M. Mirra
Lockheed Missiles & Space Co.
Sunnyvale, CA
(408) 742-8412
or
W. E. Sherwood
(408) 742-1844

IMPORTANT NOTICE

The date you last paid Chapter dues has been shown on the mailing label following your name. Please take a moment to check it. If you see a date more than a year ago and you have not made a recent payment to the National ASA, please use the form below to send your membership dues to our treasurer, Anna Bagniewska. We would welcome you as a Chapter member with payment of local dues. If you pay Chapter dues to the National ASA, the date shown has been provided by them. Any question contact Anna at (415) 855-5289.

Anna Bagniewska, Biostatistician, Syntex Labs, 3401 Hillview Avenue L2500, Palo Alto, CA 94304

Please extend my local Chapter membership another 12 months. I have enclosed a check for \$6 Regular or \$1 /Student Membership payable to ASA-S.F. Chapter.

NAME _____

ADDRESS _____



SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association

38963 Langtry Court
Fremont, CA 94536

Date Mailed: 6-7-88



~~MR. RALPH K. REDDA
4434 W. EL CAMINO DR.
GLENDALE AZ 85302~~

02/88
248 617



10217



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

Happy New Year!

THE ASA LOGO



(Editor's Note: This item was submitted to Robert V. Hogg, chair of an ad hoc committee to consider the possibility of a new logo for ASA, in response to a news note that appeared in our April 1987 issue.)

The logo or symbol of ASA has several parts, each with a special meaning. In the center we have a vertical stand with a sphere on top. On top of the sphere we have an eagle. There is a serpent to the left and right of the stand. These are the main parts of the symbol about which little is found in our archives.

The use of serpents in U.S. heraldry at the time of the founding of ASA was commonplace in politics and in medicine. The early Gadsden flag uses the rattlesnake to warn all of the determination to gain respect. In the political sense, it was a warning of the determination of the American people to win freedom, with or without warning.

One of our four founding members was an M.D. "Aesculapius, the mythical god of medicine, carried a knotty wooden staff entwined with a single snake representing life-giving powers" (Dreyfus 1972). Most medical groups throughout the world use this symbol. However, the U.S. Army Medical Corps, Navy Pharmacy Division, and the U.S. Public Health Service use the winged staff with two snakes, which is a combination of a Babylonian symbol and a Greek symbol. The twin snakes date back over 4,000 years ago. The winged staff is usually depicted with the Greek, Mercury (called Hermes by the Romans). In ancient wars this symbol was carried by medicos to indicate their neutrality. The windings around the rod were originally fillets of wool, but were changed to serpents later. Finally the wings were added (Avery 1962). In India, serpents are viewed as guardians of the threshold of the door and of treasures, both material and spiritual (Cooper 1978). When entwining or surrounding a staff or stand, two serpents are not viewed as opposites, but as united. They represent the cycles of nature, the solstices, and to us, time series.

The stand represents wisdom. It supports the sphere of the universe. On top we have the eagle, which represents inspiration, release from bondage, victory, pride, authority, strength, and a variety of other attributes. An eagle on a pillar or stand represents victory over darkness. Darkness represents the lack of facts, wisdom or positive spiritual status.

It then appears, that the logo represents victory over the darkness of all the cyclic forces of things in the universe through statistics. If the snakes are rattlesnakes, then it also means a determination to gain respect for those working in the field. (W.A. Colomski)

JANUARY MEETINGS

January 20 Wednesday Application of Semi-Markov Processes to a Human Factors Problem
January 28 Thursday Statistical Methods in Parapsychology

GENERAL APPLICATIONS PROGRAM

SPEAKER: Fred Chang, Pacific Bell
TOPIC: APPLICATION OF SEMI-MARKOV PROCESSES TO A HUMAN FACTORS PROBLEM
Human behavior is often modelled by Markov processes. A mild weakening of the Markov assumptions opens up a new set of possibilities. This talk explores one application of a semi-markov model to new telephone services.
DATE: January 20, 1988 (WEDNESDAY)
3:30-4:00 Coffee
4:00-5:00 Presentation
PLACE: Cal State at Hayward, North Science Building, Room 220
PRICE: NO CHARGE
RESERVATIONS: Call Loren Schoof (415) 823-9020

BIostatistical PROGRAM

SPEAKER: Jessica Utts, Ph.D., Associate Professor, Division of Statistics University of California, Davis. Visiting Scientist, SRI Int'l
TOPIC: STATISTICAL METHODS IN PARAPSYCHOLOGY
After 100 years of research, scientists still disagree on whether or not claims for ESP have been substantiated. Many of the arguments are statistical in nature. The scientific study of these claims comprises the field of parapsychology. An overview of statistical methods used in parapsychology will be given along with illustrative examples.
DATE: January 28, 1988 (THURSDAY)
3:30-4:00 Coffee and Cookies
4:00-5:00 Presentation
PLACE: University of California, Berkeley, 1011 Evans Hall
Following the presentation, refreshments will be served at the home of Professor Mike Tarter (2717 Benvenue, Berkeley). Directions will be provided at the meeting.

NOTICE ON DUES:

The date on your mailing label is the date we last received payment of your \$6 dues for the San Francisco Bay Area Chapter of ASA. If it has been more than a year since your last payment, rush your check for \$6 to: Anna Bagniewska

Syntax Labs
3401 Hillview Avenue L2035
Palo Alto, CA 94304

IF THE DATE ON YOUR LABEL IS IN THE YEAR 1985, YOU WILL BE DELETED FROM OUR MAILING LIST IN FEBRUARY, 1988 UNLESS WE RECEIVE YOUR PAYMENT.

TAPES FROM 1987 JOINT STATISTICAL MEETINGS IN SAN FRANCISCO

You can order tapes at \$8 each for any one of 100 talks given at the 1987 Conference. See the Sept/Oct 1987 issue of Amstat News for details.

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American Statistical Association

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Fremont, CA 94536

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ARLENE FRAZIER
38963 LANGTRY COURT
FREMONT CA 94536

EMPLOYMENT OPPORTUNITIES

- 1. SENIOR STATISTICIAN, FAILURE ANALYSIS ASSOCIATES**
RESPONSIBILITIES: Development of procedures to perform statistical analyses using a large volume of accident data. In addition, you will coordinate and manage tasks performed by research assistants and junior level statisticians.
REQUIREMENTS: Minimum of 5 years of related experience and a PhD in Statistics is required. A doctorate-level degree in an engineering discipline and strong statistics background may qualify. Familiarity with experimental and survey designs and knowledge of statistical packages such as SAS and SPSS desirable. Successful candidate will have the ability to convey highly complex issues to both technical and non-technical personnel.
COMPANY: Failure Analysis Associates is a national engineering and scientific services firm specializing in the analysis and prevention of engineering system and product failures.
CONTACT: Personnel Manager, Failure Analysis Associates, PO Box 51470, Palo Alto, CA 94303. Reference Ad#: GF 11.7. Equal Opportunity Employer
- 2. MANAGING ENGINEER, FAILURE ANALYSIS ASSOCIATES**
RESPONSIBILITIES: Risk analysis and risk assessment in the context of human behavior and machine performance. Responsibilities will include statistical analysis of accident and other data, particularly on consumer products.
REQUIREMENTS: PhD with a solid background in applied statistics coupled with significant qualifications and experience in the areas of human behavior and engineering. Exceptional communications skills in order to gather information from and convey technical conclusions to both technical and non-technical personnel.
CONTACT: Personnel Manager, Failure Analysis Associates, PO Box 51470, Palo Alto, CA 94303. Reference Ad#: NR 11.6. Equal Opportunity Employer
- 3. SENIOR STATISTICIAN, SYSTEMS APPLICATIONS INC.**
RESPONSIBILITIES: Data analyses requiring originality and ingenuity. Imaginative approaches to probing and exploratory in nature, requiring concerning the accuracy, appropriateness, and timeliness of results is essential. Depending on qualifications and interests, the individual may be given major responsibility for selected statistical projects and may participate in marketing activities.
REQUIREMENTS: At least one year of statistical consulting, especially in the environmental field, is preferred. PhD degree in statistics or equivalent. Oral and written communication skills needed to present results clearly to clients. Ability to program in Fortran, SAS, Minitab, BMDP, and/or other statistical packages is required.
COMPANY: Systems Applications provides the US Environmental Protection Agency and other governmental and industrial organizations with consulting services related to air and water pollution.
SEND RESUME: Job #8-P-87R, Systems Applications Inc., 101 Lucas Valley Road, San Rafael, CA 94903. Equal Opportunity Employer.
- 4. BIostatistician, XOMA CORPORATION**
RESPONSIBILITIES: Reports to the Vice President, Medical & Regulatory Affairs and Clinical Research. Works directly with Clinical Research Directors to design clinical trials and define clinical data collection requirements. Will implement statistical analysis of clinical trial data for Investigative New Drug Applications and Product License Applications supporting Product Marketing.
REQUIREMENTS: 3-5 years pharmaceutical or biologics industry experience. Proficient use of computers (VAX/DEC) or IBM compatible and statistical software (SAS). Experience in presenting NDA's or PLA's to FDA and knowledge of current FDA IND regulations required. Excellent written/verbal communications skills a must. PhD or MS degrees in Statistics preferred.
COMPANY: XOMA Corporation is a leader in the development of therapeutic monoclonal antibody-based pharmaceutical products for human use. XOMA currently has products in FDA-authorized clinical trials for the treatment of gram negative sepsis bone marrow transplantation, melanoma and colorectal cancers, and the detection of melanoma.
CONTACT: Director, Human Resources, XOMA CORPORATION, 2910 Seventh Street, Berkeley, CA 94710, (415)644-1170.

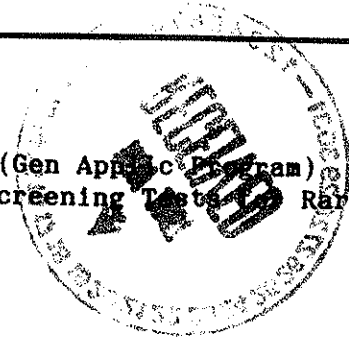


American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR OF FUTURE EVENTS

DEC 3 THURSDAY How Random are Telephone Digits? (Gen App. Sc. Program)
DEC 8 TUESDAY A Bayesian Evaluation of Medical Screening Tests for Rare Diseases (Biostat Program)



GENERAL APPLICATIONS PROGRAM

SPEAKER: Fran McNamee
Pacific Bell

TOPIC: "HOW RANDOM ARE TELEPHONE DIGITS?"

The last four digits of a telephone number have sometimes been used to select a random sample. All numbers with a specific, randomly selected digit in one position would produce a 10% cross section. This presentation will discuss the suitability and problems with this sampling method.

DATE: December 3, 1987 (Thursday)

3:30 - 4:00 Coffee and cookies

4:00 - 5:30 Presentation

PLACE: Walnut Creek campus of Golden Gate University
801 Ignacio Valley Rd (5 blocks from Walnut Creek BART Station)
Free parking surrounds the building.

Inquire at the Information Desk for assigned meeting room.

PRICE: \$3.00 per person. Please call Loren Schoof at (415) 823-9020 by November 30 with reservations.

BIostatistical PROGRAM

SPEAKER: Wesley Johnson, Ph.D.
Associate Professor, Division of Statistics
University of California at Davis

TOPIC: "A BAYESIAN EVALUATION OF MEDICAL SCREENING TESTS FOR RARE DISEASES"

There is considerable data available from screening tests for diseases like hepatitis and AIDS. This data, in conjunction with prior information about the accuracies of tests (sensitivity and specificity) as well as prior information about the prevalence (the proportion of the population that is infected) can be combined via Bayes Theorem to obtain posterior densities. Using certain assumptions, the talk will develop the joint posterior for the prevalence, sensitivity, and specificity. Illustrative examples will be given.

DATE: December 8, 1987 (Tuesday)

3:30 - 4:00 Coffee and cookies

4:00 - 5:00 Presentation

PLACE: State Department of Health Services
2151 Berkeley Way (4 blocks from Center Street BART Station in Berkeley)
The meeting room will be posted in the lobby.

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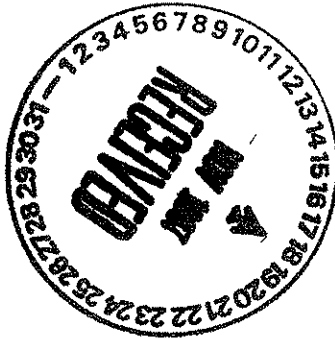
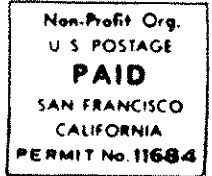
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SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association

515 Tiller Lane
Redwood City CA 94065

MAILED: Nov 10



MS. ARLENE FRAZIER
CPS-CREDIT RISK MANAGEMENT, 3407
BANK OF AMERICA
180 MONTGOMERY, 18TH FLR
SAN FRANCISCO CA 94104

07/87

EMPLOYMENT OPPORTUNITIES

The Department of Medical Economics and Statistics in the Central Office of the Kaiser Permanente Medical Care Program has the following vacancy:

STATISTICIAN - Senior-level position available for a professional with strong quantitative and computer skills. The selected candidate will be responsible for a variety of projects including: conducting special studies and economic research on health care utilization, cost of services, enrollment, and prepaid rates; assisting in the development of recommendations concerning the collection and coding of health care services; consulting on the design and evaluation of health care data.

Desired qualifications: Master's in biostatistics, epidemiology, or applied statistics with 4-5 years experience in directly-related fields; experience with mainframe, large databases, and computerized statistical packages are highly desirable; excellent communication skills; and experience in the health care field preferred.

Excellent compensation and benefits package. For additional information, contact Florence van Geem (415) 271-5987. For confidential consideration, please forward resume to:

Kaiser Foundation Health Plan
1 Kaiser Plaza, Room 2602
Oakland, CA 94612



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

September, 1987

PRESIDENT'S MESSAGE

It is a distinct honor and privilege to be chosen to serve as your president for the current term. It is my fondest hope to measure up, in some sense, to the high standards of leadership established by some of the recent past presidents of my acquaintance, John Varaday, Karen Jones, Nick Jewell, and Liz King, each one a tough act to follow.

This is YOUR chapter, and I solicit, and will welcome, input from each and every one of you concerning ways in which we can fulfill our purpose as described in the chapter constitution and bylaws, from which I quote:

Article 2: "The purpose of this organization shall be to foster, in the broadest manner, statistics and its applications, and to promote unity and effectiveness of effort among all groups in the San Francisco Bay Area having an interest in, or being concerned with, statistical problems."

One activity in pursuit of this purpose, which comes to mind is an attempt to bring to the attention of some well defined groups the choice of statistics as a career. To this end, there is available from the Council of Chapters, a collection of slides suitable for presentation be high school or small college math classes. I intend to explore the desirability of rental or purchase of those slides for use by chapter members.

Let me close by quoting from one of a number of T-shirts which my wife bought me for running in road races:

"I must hurry and catch up with the others, for I am their leader."

Al Wiggins

COUNCIL OF CHAPTERS

On August 18, 1987, our council representative (Barbara Kamm) and our chapter president (Al Wiggins) attended the Annual Council of Chapters Business Meeting and the Chapter Officers Workshop. They reviewed the services provided by ASA to the Chapters which include speakers list, reference materials, lecture programs, slide shows and video tapes. They learned the Winter conference will be held January 6-8, 1988 in San Antonio.

GENERAL APPLICATIONS PROGRAM

SPEAKER: Richard Chiofalo

TOPIC: The Mathematics Behind Computerized Games
The "Art of War" has produced military miniatures firing cannon shots across simulated battlefields of Napoleonic campaigns and the hordes of laser/nuclear blitz in colored lights. Computers have added speed and the ability to simulate numerous possible outcomes. Presented are the basic types of game design across time and in many cultures, and how these designs are showing up in computerized versions. The simulation models have not long been computer automated though the concepts are old and complex.

DATE: September 17, 1987 (Thursday)
3:00pm - 4:00pm No host cocktails with hors d'oeuvres
4:00pm - 5:30pm Presentation

PRICE: \$7.25 per person

PLACE: The Chart House, at the Cannery (lower level)
2801 Leavenworth St, San Francisco

Validated PARKING is available in the Anchorage Center Parking Lot (Entrance is off Beach Street). The 30 Stockton BUS (Jefferson Loop) will take you to the Chart House from:
- Downtown San Francisco
- BART
- Southern Pacific Railroad Station
- East Bay Bus Terminal (you can walk or transfer from the 38 Geary which goes from the Terminal to the 30 Stockton Line)

PREVIEW OF COMING EVENTS

Mark your calendar for the following 2 one day seminars:

SPEAKER: George Milliken	!	SPEAKER: Dallas Johnson
TOPIC: Keys to Good Experimentation	!	TOPIC: Techniques for Analysis of Messy Data
DATE: October 27, 1987 (Tuesday)	!	DATE: early November
TIME: all day	!	TIME: all day
FEE: \$100	!	FEE: \$100
PLACE: Santa Clara	!	PLACE: Palo Alto

The next newsletter will have more details on these two seminars.

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(916) 752-7623

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Date Mailed: 8-31-87

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CONGRATULATIONS!

Congratulations to New Fellows of the American Statistical Association from our Chapter Area. The following persons were honored on August 18, 1987 during the National Meeting in San Francisco.

RUDOLPH BERAN, University of California, Berkeley; for major contributions to the theory and practice of nonparametric and robust inference and of bootstrap and jackknife procedures, and for editorial services to the profession.

LEO BREIMAN, University of California, Berkeley; for outstanding and innovative contributions to probability theory, statistical methodology, data analysis, statistical computing and education; and for service to the profession.

HELENA CHMURA KRAEMER, Stanford University; for outstanding contributions to the theory of measures of association, concordance and reliability, and to the application of these to the medical sciences; for excellence in consulting in biobehavioral research; and for editorial services.

EMPLOYMENT OPPORTUNITIES

1. HEALTH SURVEILLANCE DATA ANALYST

Will provide in-house computerization of Health Surveillance system. Will design systems to merge data from various sources which have compatibility problems and will manage and maintain integrity of high-volume data base. Additional responsibilities include generating lists of individuals to be tested, inputting data, and generating letters to physicians and patients. Duties will also include performing initial statistical analysis of health surveillance data, and assisting in writing reports on results of studies. Will also design, conduct and analyze special epidemiologic studies.

REQUIREMENTS: BA/MA degree or equivalent in mathematics, computer science, statistics or related field. Two years experience in maintenance and analysis of medical data required, in addition to a BA degree. Must have knowledge of SAS and computers. MEDLOG experience is a plus.

Interested Candidates - Send resume to Leeka Khelifets, Intex Labs--Mail Stop AS-HS, 3401 Hillview Avenue, Palo Alto, CA 94304

2. RESEARCH CONSULTANT

Identify, conduct, and implement credit scoring and behavior scoring projects in the Bankcard department. Other responsibilities include the design of databases, data collection, statistical analysis, interpretation of results, formulation of recommendations, interaction with operating departments. Creatively apply computer based statistical techniques. Ability to work with large tape files. Provide oral and written presentations to management.

A Master's degree in statistics or related field, 1 to 2 years of project work in industry, strong written and oral communications skills, and initiative. Experience with computerized statistical packages and demonstrated computer skills with large tape files. Experience in Bankcard or banking environments is preferred.

CONTACT: Henry Bennett, AVP
Bank of America
Card Products and Services
Personnel Operations #3947
1 South Van Ness Ave., 5th floor
San Francisco, CA 94103

POSITION WANTED

Statistician looking for leadership position in Sacramento area to further develop professional career. Four years experience including sampling, experimental design, establishing and teaching appropriate levels of SPC Seminars, statistical consulting. BA in Mathematics, MS in Statistics from Miami University in Oxford, Ohio. Adept with SAS, Fortran, Cobol, Basic, JCL. For further information, contact Margaret C. Miller, 124 Johnston Court, Folsom, California 95630 (916) 985-0809 after 6 PM.

If you would like to correct your address label, make an announcement, or have a job vacancy, write to me by September 17: Arlene Frazier, 38963 Langtry Court, Fremont, CA 94536.



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

CALENDAR OF FUTURE EVENTS

- OCT 9 FRIDAY Orthogonal Design for Process Development and Optimization
(Statistics Task Group of ASQC - Santa Clara Section)
- OCT 28 WEDNESDAY Keys to Good Experimentation (Fee Event; Ref: Attached Flyer)
- OCT 29 THURSDAY Design and Analysis of Non-replicated Experiments (Joint Gen
Applic and Biostat Programs)
- NOV 4 WEDNESDAY Techniques for Analysis of Messy Data (Fee Event; Ref: Attached
Flyer)

STATISTICS TASK GROUP OF THE ASQC (SANTA CLARA SECTION)

- SPEAKERS: Professors Li-Qian Zhang and Wan-Ru Liu
Beijing University, China
- TOPIC: Short Seminar on "ORTHOGONAL DESIGN FOR PROCESS DEVELOPMENT AND
OPTIMIZATION"
- DATE: October 9, 1987 (Friday) 10:00 - 12:00
- PLACE: Intel Corporation, Building SC9 Auditorium, Santa Clara
- DIRECTIONS: From Hwy 101, take Montague exit. At first stop light, turn left onto
Mission College Blvd. At next stoplight, turn left into Intel parking lot.
For more information, call Don Jillie (408) 496-8871.

JOINT GENERAL APPLICATIONS AND BIostatistical PROGRAMS

- SPEAKER: Dallas Johnson, Ph.D.
Professor, Statistics Department
Kansas State University
Co-author of Analysis of Messy Data
- TOPIC: "DESIGN AND ANALYSIS OF NON-REPLICATED EXPERIMENTS"
- DATE: October 29, 1987 (Thursday)
3:30 - 4:00 Coffee and cookies
4:00 - 5:00 Presentation
- PLACE: Stanford University Medical Center, Room M106
If you would like detailed directions to the meeting site, please call Kelvin
Lee at (415) 493-5000, ext. 2181.

Professor Bill Brown has kindly offered to be the local host. Following the presentation, cocktails will be served at his home. Directions will be provided at the meeting.

PRESIDENT
Alvin D. Wiggins
(916) 752-7623

PRESIDENT-ELECT
Abraham Silvers
(415) 855-2615

VICE-PRESIDENT
GENERAL APPLICATIONS
PROGRAMS
Loren Schoof
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VICE-PRESIDENT
BIostatistical
PROGRAMS
Kelvin K. Lee
(415) 493-5000 x2181

SECRETARY
Arlene Frazier
(415) 622-8422

TREASURER
Anna Bagniewska
(415) 855-5289

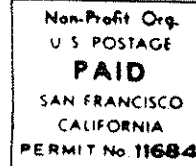
COUNCIL OF CHAPTERS
REPRESENTATIVE
Barbara Kamm
(415) 855-6163



SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association

38963 Langtry Court
Fremont, CA 94536

Date Mailed: 10-5-87



*Date received 11/3/87 !!!!!!
Need to allow
more time*

MR. STANLEY NAFARST
901A SANTA FE
ALBANY CA 94706

07/87

FEEDBACK

Last year, General Applications Programs were held on the third Thursday, and Biostatistical Programs, on the fourth Thursday. Some Chapter members have complained that they were unable to attend any Chapter meetings because they have classes or meetings or other responsibilities that conflict with Thursday meetings. Therefore, this year on a trial basis, several of the Biostatistical Program meetings will be held on Wednesday.

The Chapter is at the mercy of the U.S. Postal Service for delivery of the newsletters. In general, most members receive the newsletters within 10 days of the mailing date. However, some members complain that the arrival of newsletters are delayed for more than 3 weeks. Please let Arlene Frazier, (415) 622-8422, know of any persistent lengthy delays.

Arlene Frazier, the Secretary of the Local Chapter, would like the newsletter to be more than an announcement of chapter meetings. She would like also to include non-chapter meetings, job openings, personal announcements (e.g. honors, awards, and job changes), etc. Please send any announcements by the middle of the month to: Arlene Frazier, 38963 Langtry Court, Fremont CA 94536.

If you (or if you know someone who) would like to join the local chapter of ASA, please contact Anna Bagniewska, (415) 855-5289.



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

SPECIAL EDITION OF THE NEWSLETTER

SUMMER 1987 Calendar

AUG 12 WED Predictive Statistical Control Charts for Dynamic Process Control (ASQC)

AUG 17-20 MON-THUR Joint Statistical Meetings (ASA, ENAR, WNAR, IMS)

STATISTICS TASK GROUP OF THE ASQC - SANTA CLARA VALLEY SECTION

SPEAKERS: Rahman Azari, University of California at Davis
Fred Khorasani, Intel Corporation

TOPIC: Predictive Statistical Control Charts for Dynamic Process Control

Most widely used control charts such as Shewhart and CUMSUM are based on their assumption of independent observations. However, in many industrial applications, this assumption is rarely valid. Quite often the observations are correlated within the samples, between the samples, or both. This is due to the sampling method and the nature of the manufacturing process. Therefore, the usual control charts may result in erroneous conclusions and costly consequences. In this presentation alternative methods for control charting of correlated datasets using multivariate and time series modeling are given. These methods are applied to data from a wafer manufacturing process, and the results are compared. It will be shown that the control charts based on time series modeling have the added advantage of being predictive and therefore can be used as a tool for dynamic process control.

DATE: Wednesday, August 12, 1987 at 4:00 p.m.

PLACE: Intel Corporation Auditorium
Santa Clara Building 9
3601 Juliette Lane
Santa Clara

DIRECTIONS: Take Montague Exit from Highway 101. At the first light turn left onto Mission College Blvd. At the next light, turn left into Intel parking lot. For additional information, call Fred Khorasani (408) 496-9998.

PRESIDENT
Elizabeth S. King
(415) 938-9417

PRESIDENT-ELECT
Alvin D. Wiggins
(916) 752-7623

**VICE-PRESIDENT
GENERAL APPLICATIONS
PROGRAMS**
Florence van Geem
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**VICE-PRESIDENT
BIOSTATISTICAL
PROGRAMS**
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SECRETARY
Kelvin K. Lee
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**COUNCIL OF CHAPTERS
REPRESENTATIVE**
Barbara Kamm
(415) 855-6163



EMPLOYMENT OPPORTUNITIES

Syntex Laboratories has the following job opening:

BIostatistician I/II

Design, analyze and report Phase IV clinical trials; determine appropriate experimental designs, statistical analysis techniques, and report formats; perform statistical analyses using micro and mainframe computers, and write statistical reports. Must be able to work independently, under pressure, and with medical and other non-statistical staff.

Requirements: MS in biostatistics with 5-10 years of clinical trials experience, or Ph.D. with 1-10 years experience.

If interested, contact:

Laurie Peltier
Syntex Laboratories
3401 Hillview Ave.
Palo Alto, CA 94303
(415) 855-5914

Lucho Bravo
Syntex Laboratories L-1108
3401 Hillview Ave.
Palo Alto, CA 94303
(415) 855-6297

Failure Analysis Associates, a nationwide engineering and scientific consulting firm, has the following vacancies at its Palo Alto Office:

1. SENIOR STATISTICIAN (Reference #GF)

Responsibilities include:

- Developing procedures to perform statistical analyses using a large volume of accident data
- Coordinating and managing tasks performed by research assistants and junior-level statisticians.

Requirements: Ph.D. in Statistics; a doctorate-level degree in an engineering discipline and strong statistics background may qualify. Familiarity with experimental and survey designs and knowledge of statistical packages such as SAS and SPSS desirable. Must be able to convey highly complex issues to both technical and non-technical personnel.

2. BIostatistician (Reference #RP.1)

Duties include:

- Quantitative analyses of occupational and environmental epidemiologic studies; health risk assessments; statistical modeling
- Critical review of the health risk literature
- Writing reports describing risk assessments

Requirements: A Master's degree or Ph.D. degree in Statistics or Biostatistics. Good computing skills and familiarity with statistical packages are highly desirable. Applicants should have 3 or more years of relevant experience.

Excellent remuneration and benefits package. Applicants should send a resume to:

Personnel Manager
Failure Analysis Associates
P.O. Box 51470
Palo Alto, CA 94303



1987 JOINT STATISTICAL MEETINGS

The 1987 joint meeting of the ASA, IMS, and the Biometrics Society will be held in San Francisco on August 17-20. Elsewhere in this newsletter are the titles of the special and invited sessions; they are reproduced from the April issue of Amstat News. The preliminary program will appear in the June issue of Amstat News.

Since the April issue, a few titles and the names of several speakers have been announced. They include:

Monday, August 17

- 8:30 a.m. General Methodology Lecture #1 will be presented by G.P. Patil of Penn State University, "Encountered Data, Statistical Ecology, Environmental Risk Analysis, and Weighted Distributions".
- 12:30 p.m. Economic Outlook Luncheon (Fee Event)
Professor Milton Friedman will present his outlook for the economy.
- 2:00 p.m. Congressman Mervyn Dymally will chair a formal congressional hearing by the House Subcommittee on Census and Population about "The Impact of Population Undercount."

Tuesday, August 18

- 8:30 p.m. ASA Presidential Address
Barbara Bailer will speak on "Statistical Practice in Research: The Essential Interactions".

Wednesday, August 19

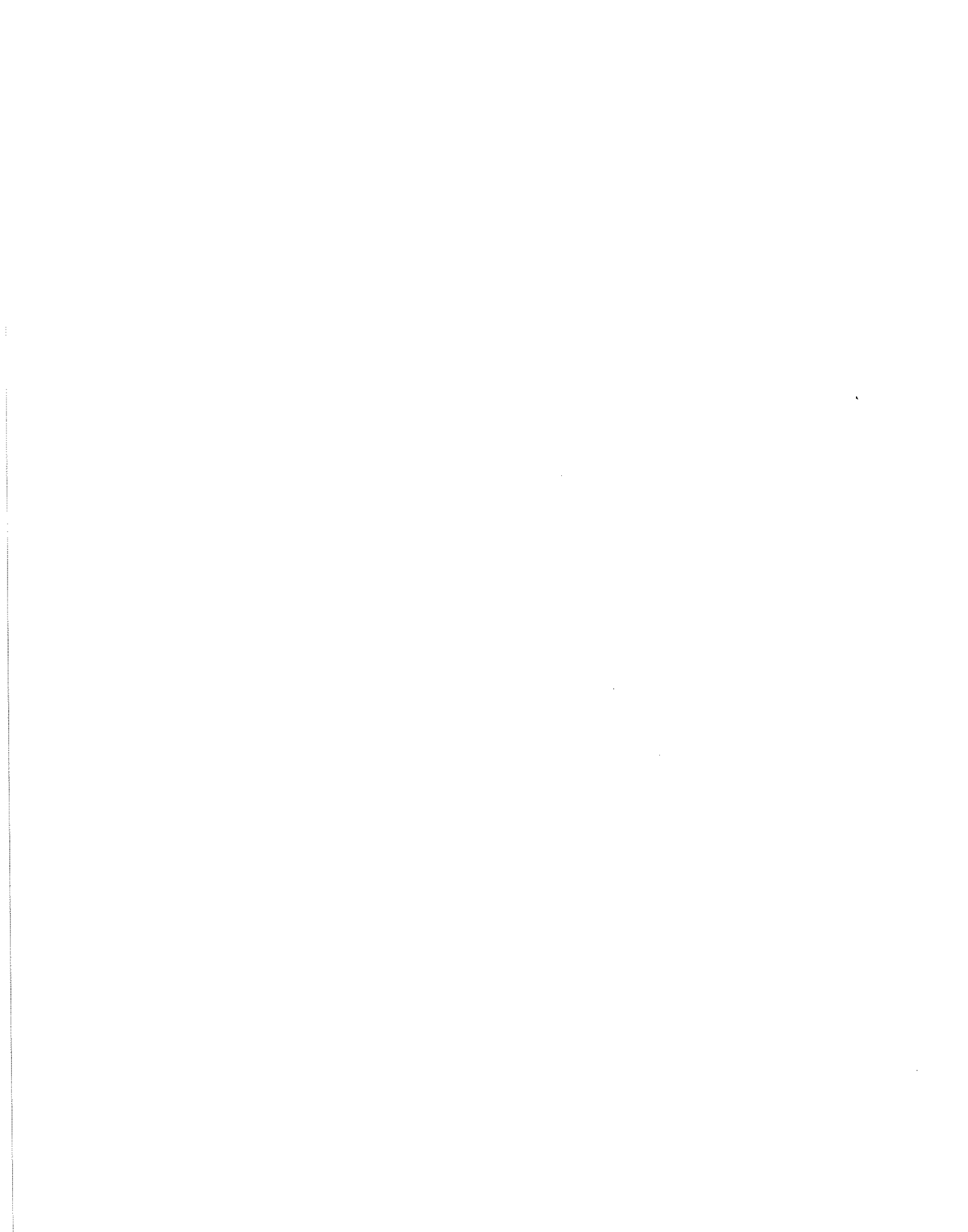
- 8:30 a.m. General Methodology Lecture #2 will be presented by N.A.C. Cressie of Iowa State University, "Statistics of Spatial Data".
- 4:00 p.m. The R.A. Fisher Lecture will be given by F. Mosteller of Harvard University.

For the convenience of those Chapter members who are not members of the ASA, a preregistration form has been included in this Newsletter. Chapter members with questions about the joint meeting: Those in the vicinity of Davis, call Alvin Wiggins (916) 752-7623; those in the East Bay, call Elizabeth King (415) 938-9417; those in San Francisco and Marin County, call Arlene Frazier (415) 622-8422; others should call Kelvin Lee (415) 493-5000, #2528.

VOLUNTEERS NEEDED - 1987 JOINT STATISTICAL MEETINGS

The Chapter is issuing a plea for members to volunteer to man the INFORMATION BOOTH or the PRESS ROOM at the Joint Statistical Meetings, to be held at the San Francisco Civic Auditorium. Members will be needed at the INFORMATION BOOTH (to answer questions about transportation, dining, how to get to tourist sites, etc.) from Sunday, August 16 through Thursday noon, August 20.

Please contact Dr. Dean Fearn at California State University, Hayward [(415) 881-3447] if you can volunteer some time or Elizabeth King [(415) 938-9417] if you have any questions. Some books from the Publishers' Exhibits will be available to students who work.



SURVEY OF THE CHAPTER

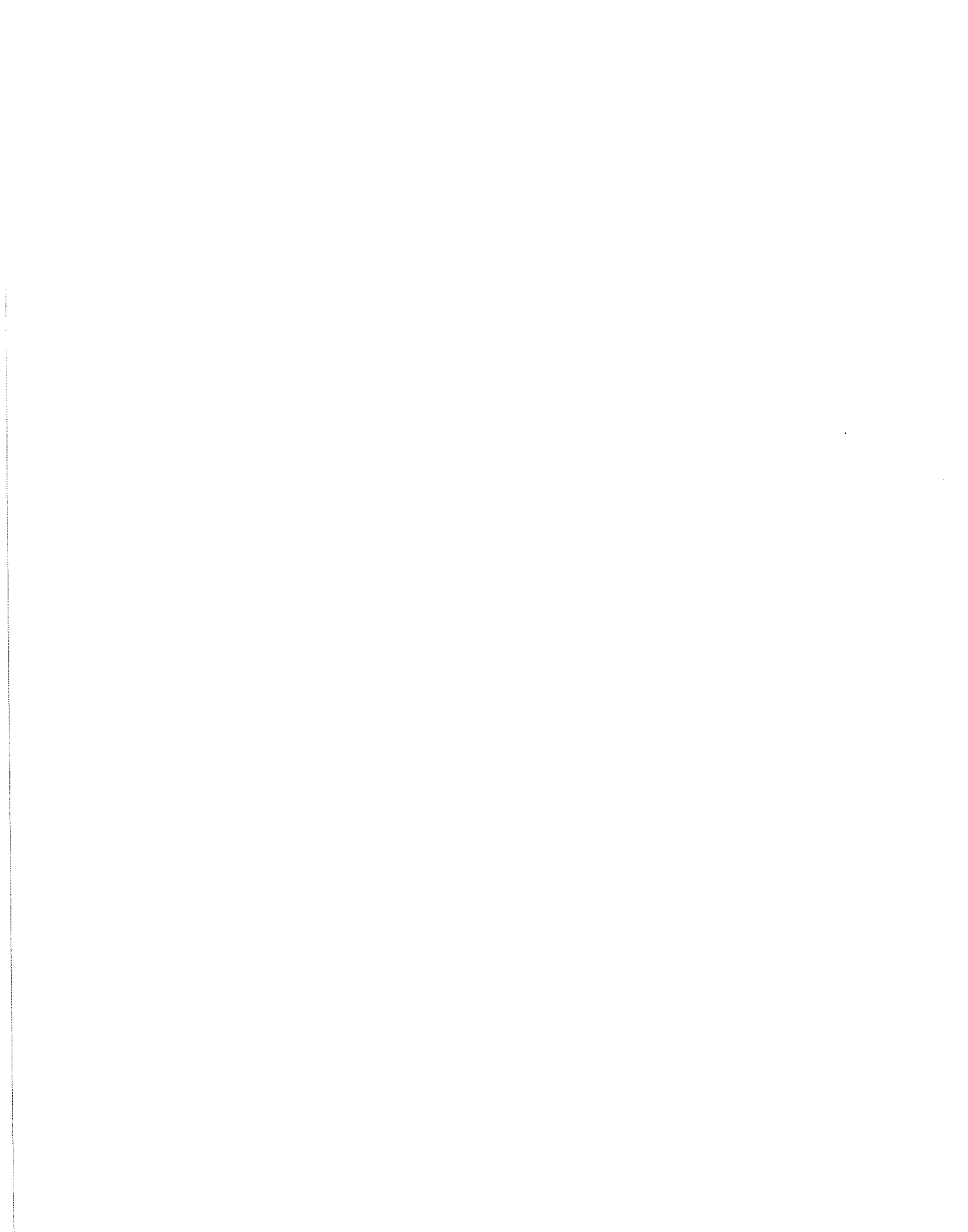
The new Chapter officers are in the process of making plans for 1987-88, and they would like your input about Chapter activities. What do you want out of the local ASA Chapter membership? How might the Chapter improve its function and/or services to better meet your needs? Although Chapter memberships exceed 500, attendance at Chapter meetings generally average about 30 people. We would like to organize activities to get more members involved. Please take several minutes to complete the enclosed questionnaire, and return it to Kelvin Lee, 515 Tiller Lane, Redwood City, CA 94065. If it is more convenient, call him with your comments at (415) 493-5000, #2528.

To refresh your memory, fifteen meetings were held in 1986-87. The list of speakers:

	<u>General Applic</u>	<u>Joint</u>	<u>Biostat</u>
Sept	Arlene Frazier		Alvin Wiggins
Oct	George Milliken		Allen Izu
Nov		Dorit Carmelli	
Dec	Michael Orkin		
Jan			Alice Whittemore
Feb	Laurence George		Stuart Beal
March	Janet Williams		Anthony Thrall
April	Andrew Carey		Nicholas Jewell
May		Barbara Bailar	
June		Michael Tarter	

POSITION WANTED

Statistician looking for leadership position in quality field. Five years industrial consulting experience with 3-year experience implementing Dr. Deming's techniques. Has MS in Statistics from Univ of Wisconsin (Madison) with research work under Dr. George Box. Strengths include experimental design, SPC, QC, and Taguchi methods. Adept with SAS, Fortran, Minitab, JASS, and IMSL subroutines. For further information, contact Tim Kramer, 4725 Sheboygan #232, Madison, WI 53705. (608) 238-8134/9934.



1987 Joint Statistical Meetings

ASA • ENAR • WNAR • IMS

San Francisco • August 17-20



SPECIAL AND INVITED SESSIONS

MONDAY, AUGUST 17
8:30 a.m.-10:20 a.m.

GENERAL METHODOLOGY LECTURE I
ASA, ENAR-WNAR, IMS

HOW MUCH IS YOUR EX-SPOUSE WORTH? VALUING HOME PRODUCTION INTERNATIONALLY, IN THE U.S., AND LEGALLY
Caucus for Women in Statistics, ASA Comm. on Women in Stat., Bus. & Econ. Stat. Sec., Soc. Stat. Sec.

PROBABILITY AND ARTIFICIAL INTELLIGENCE IN MEDICINE
Bio. Sec., ENAR-WNAR, IMS, Biopharm. Sec., Soc. Stat. Sec.

STATISTICAL PACKAGES IN TIME SERIES
Bus. & Econ. Stat. Sec., Sec. on Phys. & Engr. Sci., Sec. on Stat. Comp.

ADMINISTRATIVE OFFICE OF THE COURTS: NEW STATISTICS
Soc. Stat. Sec.

APPLICATIONS OF RECENT METHODOLOGY IN REGRESSION*
Stat. Comp. Sec.

THE MISSING, THE HOMELESS, AND THE VICTIM: COUNTING THE HARD TO COUNT

Sec. on Surv. Res. Meth.
SPECIAL INVITED PAPER
IMS

TIME SERIES ANALYSIS
I'

10:30 a.m.-12:20 p.m.

JASA THEORY & METHODS INVITED PAPER
ASA

EPIDEMIOLOGIC METHODS (Dedicated to the Memory of Bernard G. Greenberg)
Bio. Sec., ENAR-WNAR

CASE STUDIES IN QUALITY AND PRODUCTIVITY
Sec. on Phys. & Engr. Sci., ASA Comm. on Quality & Productivity

USING THE SIPP TO ANALYZE FAMILY COMPOSITION AND INCOME DYNAMICS
Soc. Stat. Sec.

STATISTICAL COMPUTING: EDUCATION AND FUTURE
Stat. Comp. Sec., Sec. on Stat. Educ.

WALD LECTURE I
IMS

12:30 p.m.

ECONOMIC OUTLOOK LUNCHEON
Bus. & Econ. Stat. Sec.

2:00 p.m.-3:50 p.m.

THE IMPACT OF POPULATION UNDERCOUNT (Congressional Hearing)
ASA Comm. on Govt. Stat.

STATISTICAL ISSUES IN CHRONIC DISEASE NUTRITION TRIALS
Bio. Sec., ENAR-WNAR

ECONOMETRIC MODELS OF COST AND PRODUCTION FUNCTIONS: SOME COMPARISONS
B. Econ. Stat. Sec.

A PROSPECTIVE LOOK AT THE TAGUCHI METHOD IN THE U.S.A.
Sec. on Phys. & Engr. Sci., ASA Comm. on Quality and Productivity

COMPUTER-AIDED EXPERIMENTAL DESIGN
Stat. Comp. Sec., Sec. on Phys. & Engr. Sci.

SURVIVAL ANALYSIS
IMS

RECENT DEVELOPMENTS ON SEQUENTIAL ESTIMATION

1144

QUANTILE DATA ANALYSIS
IMS

4:00-5:50 p.m.

PRESIDENT'S INVITED ADDRESS
ASA

TUESDAY, AUGUST 18
8:30 a.m.-10:20 a.m.

JASA APPLICATIONS INVITED PAPER
ASA

META ANALYSIS OF CLINICAL TRIALS
Biopharm. Sec.

APPLICATIONS OF RECENT METHODOLOGY IN BAYESIAN ANALYSIS OF DYNAMIC MODELS: THE KALMAN FILTER AND BEYOND*
Bus. & Econ. Stat. Sec., Bio. Sec., Sec. on Phys. & Engr. Sci.

STATISTICS FOR AN AGING SOCIETY
Soc. Stat. Sec.

QUALITY CONTROL PROGRAMS IN ACADEMIA AND INDUSTRY
Sec. on Stat. Educ., ASA Comm. on Quality & Productivity

NEW METHODOLOGY IN STATISTICAL GRAPHICS
Sec. on Stat. Graphics, Stat. Comp. Sec.

MEASURING THE CONCENTRATION OF PERSONAL WEALTH IN THE UNITED STATES, 1962-1983
Sec. on Surv. Res. Meth.

SPECIAL INVITED PAPER
IMS

SMALL SAMPLE ASYMPTOTICS
IMS

NONPARAMETRIC STATISTICS
IMS

10:30 a.m.-12:20 p.m.

STATISTICS IN SPORTS
ASA Council of Chapters

IMPROVING THE EFFECTIVENESS OF STATISTICAL CONSULTANTS: A LIVE DEMONSTRATION
Stat. Div. of American Soc. for Quality Control, Sec. on Stat. Educ.

NON-STANDARD CLINICAL TRIALS—DESIGN AND ANALYSIS
Bio. Sec., ENAR-WNAR, Biopharm. Sec.

HOW GOOD ARE ECONOMETRIC MODELS?
Bus. & Econ. Stat. Sec.

RESPONSE SURFACE METHODOLOGY
Sec. on Phys. & Engr. Sci., Sec. on Stat. Graphics

POLICE HANDLING OF DOMESTIC VIOLENCE
Sec. on Surv. Res. Meth., Soc. Stat. Sec.

PARALLEL PROCESSING IN STATISTICS
Stat. Comp. Sec.

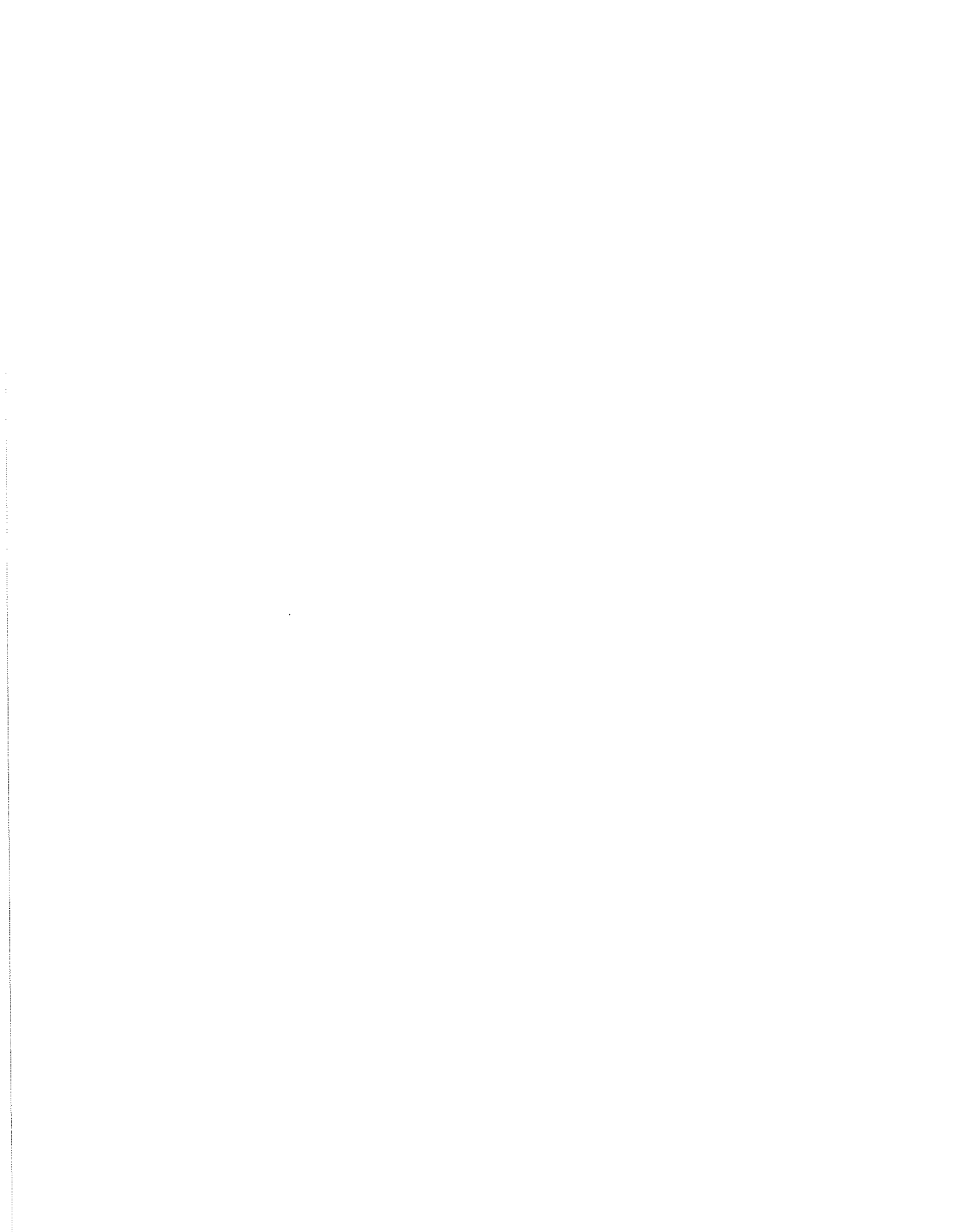
WALD LECTURE II
IMS

2:00 p.m.-3:50 p.m.

TECHNOMETRICS INVITED PAPER
ASA, American Soc. for Quality Control

ENVIRONMENTS AND TOOLS FOR DISPLAYING STATISTICAL DATA
Nat. Computer Graphics Assn., Sec. on Stat. Graphics

STATISTICAL ISSUES IN ESTIMATION OF PROGRESS AGAINST CANCER
ASA Comm. on Women in Stat., Caucus for Women in Stat., Bio. Sec., ENAR-WNAR, Biopharm. Sec.



SHAPE COMPARISONS

Bio. Sec., ENAR-WNAR, Sec. on Stat. Graphics

MAKING STATISTICS MORE EFFECTIVE IN SCHOOLS OF BUSINESS

Bus. & Econ. Stat. Sec., Sec. on Stat. Educ.

CASUAL MODELS IN SOCIAL SCIENCE

Soc. Stat. Sec., Bio. Sec., ENAR-WNAR, Bus. & Econ. Stat. Sec.

SPECIAL INVITED PAPER

PROBABILISTIC ANALYSIS OF ALGORITHMS

IMS

NONPARAMETRIC INFERENCE FOR WEAKLY DEPENDENT RANDOM VARIABLES

IMS

4:00 p.m.-5:50 p.m.

APPLICATIONS OF STATISTICS IN METEOROLOGY AND CLIMATOLOGY

American Meteorological Soc., Sec. on Phys. & Engr. Sci.

EXACT INFERENCE FOR CATEGORICAL DATA

Bio. Sec., ENAR-WNAR

ACCOUNTING FOR ERRORS IN VARIABLES IN STATISTICAL INFERENCE

Bus. & Econ. Stat. Sec., Bio. Sec., ENAR-WNAR, Soc. Stat. Sec.

1990 CENSUS UNDERCOUNT AND ADJUSTMENT

Soc. Stat. Sec.

STATISTICAL TEXT PROCESSING

Stat. Comp. Sec.

COMPLIANCE AND COST CONTROL: TAXES, WELFARE, AND STUDENT LOANS

Sec. on Surv. Res. Meth.

SPECIAL INVITED PAPER

IMS

8:30 p.m.

PRESIDENTIAL ADDRESS

ASA

WEDNESDAY, AUGUST 19

8:30 a.m.-10:20 a.m.

GENERAL METHODOLOGY LECTURE II

ASA, ENAR-WNAR, IMS

STATISTICAL NEEDS AND IMPROVEMENT IN RISK ASSESSMENT

Bio. Sec., ENAR-WNAR, Biopharm. Sec.

DATA ANALYSIS PROBLEMS IN TIME SERIES ANALYSIS

Bus. & Econ. Stat. Sec.

APPLICATIONS OF RECENT METHODOLOGY IN INDUSTRIAL MIXTURE EXPERIMENTS*

Sec. on Phys. & Engr. Sci., ASA Comm. on Quality & Productivity

MICROS AND SUPERMICROS IN UNDERGRADUATE STATISTICAL EDUCATION

Sec. on Stat. Educ., Stat. Comp. Sec.

MANPOWER EXPERIMENTS: DESIGN, EXECUTION, ANALYSIS

Sec. on Surv. Res. Meth.

BOOTSTRAP AND COMPUTER INTENSIVE METHODS

IMS

MARKOV PROCESSES

IMS

10:30 a.m.-12:20 p.m.

JBES INVITED PAPER

ASA

APPLICATIONS OF RECENT METHODOLOGY IN BIostatISTICS*

Bio. Sec. ENAR-WNAR

DRUG APPROVAL IN MORE THAN ONE COUNTRY

Biopharm. Sec.

FIELD AND FOLLOW-UP STUDIES IN RELIABILITY

Sec. on Phys. & Engr. Sci., Bio. Sec., ENAR-WNAR, ASA Comm. on Quality & Productivity, IMS

INTEGRATED ENVIRONMENTS FOR STATISTICAL COMPUTING ON MICROCOMPUTERS

Stat. Comp. Sec.

COGNITIVE ASPECTS OF SURVEYS

Soc. Stat. Sec., Sec. on Surv. Res. Meth.

REITZ LECTURE

IMS

4:00 p.m.-5:50 p.m.

ANALYSIS OF MESSY DATA: A CASE STUDY

Bio. Sec., ENAR-WNAR, Stat. Comp. Sec., Sec. on Stat. Graphics

HETEROGENEITY AND CONSUMER CHOICE

Bus. & Econ. Stat. Sec., Subsec. on Stat. in Marketing

TOPICS IN EXPERIMENTAL DESIGN

Sec. on Phys. & Engr. Sci., Stat. Comp. Sec.

PANEL DISCUSSION—APPLICATIONS OF RECENT METHODOLOGY IN IMPROVING THE QUALITY OF BUSINESS STATISTICS COURSES: A PROCESS APPROACH*

Sec. on Stat. Educ., Mu Sigma Rho

QUALITY STATISTICS AND GRAPHICS FOR MANAGERS, ENGINEERS, AND SCIENTISTS

Sec. on Stat. Graphics, Bus. & Econ. Stat. Sec., Subsec. on Stat. in Marketing

IMPROVING THE QUALITY OF EDUCATION, STATISTICS FOR POLICY PURPOSES

Sec. on Surv. Res. Meth.

GOODNESS-OF-FIT TESTS

IMS

PROBABILITY AND PHYSICS

IMS

4:00 p.m.-5:00 p.m.

COPSS PRESIDENTS' AWARD, R.A. FISHER AWARD AND LECTURE

ASA, ENAR-WNAR, IMS, SSC

THURSDAY, AUGUST 20

8:30 a.m.-10:20 a.m.

STATISTICS IN NUCLEAR RISK ANALYSIS

Soc. for Risk Anal., ASA Comm. on Nuclear Reg. Research, Sec. on Phys. & Engr. Sci.

APPLICATIONS OF RECENT METHODOLOGY IN BIOPHARMACEUTICAL STUDIES*

Biopharm. Sec.

RECENT IMPROVEMENTS AND FUTURE DEVELOPMENTS IN BUSINESS SURVEYS

Bus. & Econ. Stat. Sec., Sec. on Surv. Res. Meth.

EXPERT OPINION: STATISTICAL ISSUES

Soc. Stat. Sec., Sec. on Phys. & Engr. Sci.

MAKING THE COMPUTER DO MORE WORK

Stat. Comp. Sec.

ARE HYPOTHESIS TESTS, P-VALUES, AND MULTIPLE COMPARISONS APPROPRIATE TOOLS IN APPLIED RESEARCH?

Sec. on Stat. Educ., Subsec. on Teaching Stat. in the Hlth. Sci., Bio. Sec., ENAR-WNAR, Biopharm. Sec.

SPECIAL INVITED PAPER

IMS

PROJECTION PURSUIT

IMS

10:30 a.m.-12:20 p.m.

STATISTICS AND ASSESSMENT OF EQUAL OPPORTUNITIES

ASA Ad Hoc Coordinating Comm. for Equal Opportunity in Stat., ASA Comm. on Minorities in Stat., ASA Ad Hoc Comm. on Disabled in Statistics

ERRORS-IN-VARIABLES REGRESSION: BIOMETRIC AND ECONOMETRIC PERSPECTIVES

Bio. Sec., ENAR-WNAR, Bus. & Econ. Stat. Sec., IMS

MODELING EXPERT PROBLEM SOLVING

Sec. on Phys. & Engr. Sci., Soc. Stat. Sec.

APPLICATION OF RECENT METHODOLOGY IN STATISTICAL GRAPHICS FOR NONSPECIALISTS*

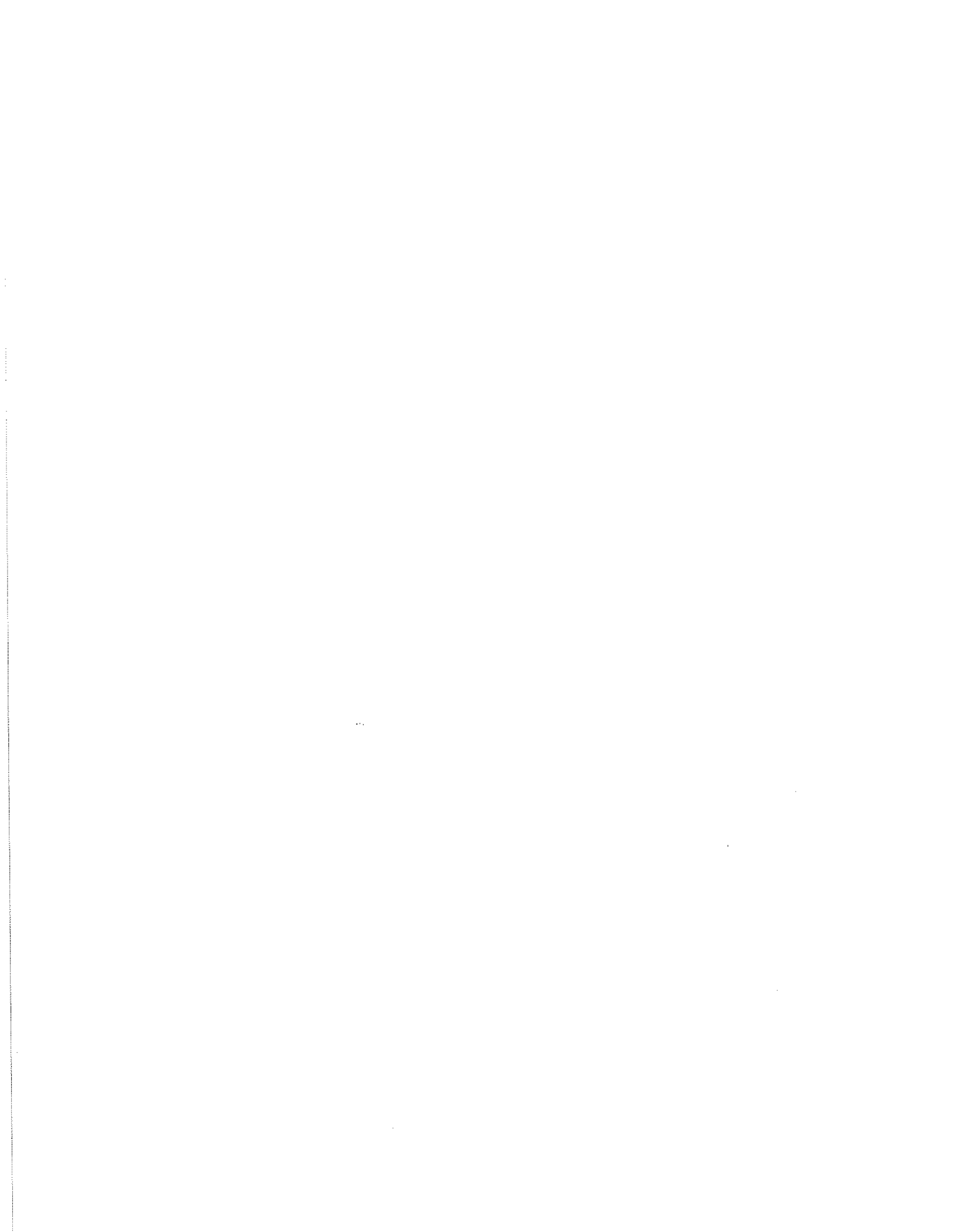
Sec. on Stat. Graphics

ESTIMATING THE SPREAD OF THE AIDS EPIDEMIC

Sec. on Surv. Res. Meth., Bio. Sec., ENAR-WNAR

WALD LECTURE III

IMS





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

JUNE 1987 Calendar

JUNE 18 THURSDAY Messy Data Ubiquity - Observations & Implications
(Joint Gen Applic and Biostat Programs)
Annual Business Meeting

JOINT GENERAL APPLICATIONS AND BIostatISTICAL PROGRAMS

SPEAKER: Michael Tarter, Ph.D.
University of California at Berkeley

TOPIC: "MESSY DATA UBIQUITY - OBSERVATIONS AND IMPLICATIONS"

The blending of computer science and statistical curve estimation theory has yielded a variety of new and powerful data analysis tools. When these tools are brought to bear on seemingly uncomplicated sets of data, in many instances they disclose patterns of hitherto unsuspected complexity. This gives rise to the following question: Are populations and universes of data far more complex than has been previously suspected or, are apparent anomalous patterns artifacts of the media and not harbingers of a message?

DATE: June 18, 1987 (Thursday)
3:30 - 4:00 Coffee and cookies
4:00 - 5:00 Presentation
5:00 - Annual Business Meeting

PLACE: Golden Gate University
Room 404
536 Mission Street (Between 1st and 2nd Street)
San Francisco, CA

ANNUAL BUSINESS MEETING

The Annual Business Meeting will be held immediately after the joint meeting of the General Applications and Biostatistical Programs. The agenda of the meeting will include the election of officers for 1987-88, the President's farewell remarks, the Treasurer's report, and any other business which needs to be addressed. This will be the last meeting until September.

PRESIDENT
Elizabeth S. King
(415) 938-9417

PRESIDENT-ELECT
Alvin D. Wiggins
(916) 752-7623

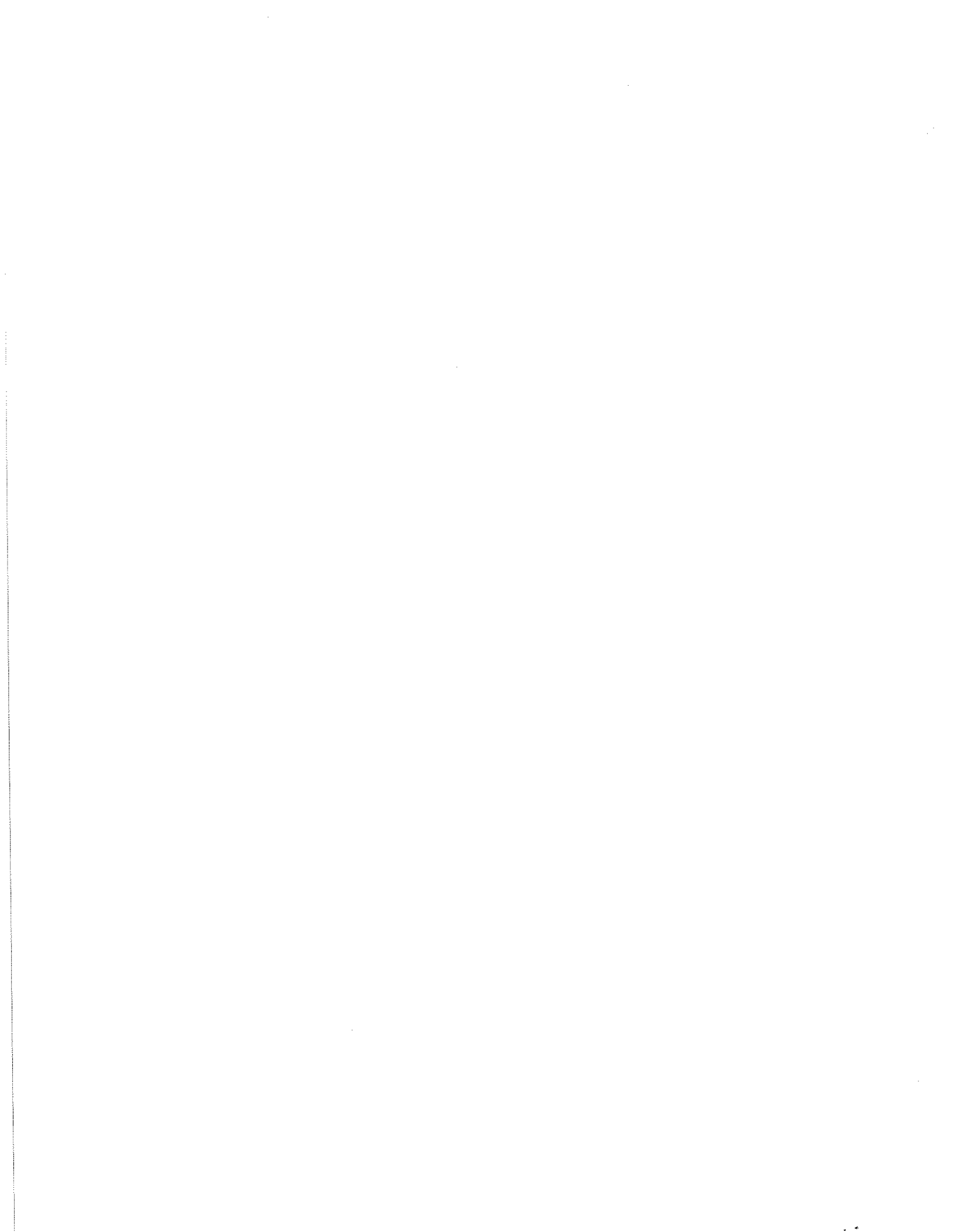
VICE-PRESIDENT
GENERAL APPLICATIONS
PROGRAMS
Florence van Geem
(415) 271-5987

VICE-PRESIDENT
BIostatISTICAL
PROGRAMS
Abraham Silvers
(415) 855-2615

SECRETARY
Kelvin K. Lee
(415) 493-5000 x2181

TREASURER
Anna Bagniewska
(415) 855-5289

COUNCIL of CHAPTERS
REPRESENTATIVE
Barbara Kamm
(415) 855-6163



According to the Constitution of the S.F. Bay Area Chapter of the ASA, this year's President-Elect, Alvin Wiggins, University of California at Davis, automatically succeeds to the office of President for 1987-88; the Representative to the Association's Council of Chapters, Barbara Kamm, Syntex Labs, is in the midst of a two-year term. A nominating committee comprised of Nicholas Jewell (Chairman), Arlene Frazier, and Karen Jones has recommended the following slate of candidates for Chapter officers during 1987-88:

President-Elect	Abraham Silvers, Electric Power Research Institute
Vice President- General Applications	Loren Schoof, Pacific Bell
Vice President- Biostatistical	Kelvin Lee, Veterans Administration
Secretary	Arlene Frazier, Bank of America
Treasurer	Anna Bagniewska, Syntex Laboratories

Happy Retirement

Chin Long Chiang, Ph.D., Professor of Biostatistics at the University of California at Berkeley, will retire at the end of June, 1987. He joined the School of Public Health faculty in 1953 after receiving his degree from UC Berkeley and served as head of the Biostatistics Program from 1975-1986 and as co-chair of the group in Biostatistics from 1971 to 1986. A Fellow of the American Statistical Association, Dr. Chiang has served as a consultant to many local, national, and international agencies.

Dr. Chiang was one of the original organizers of the S.F. Bay Area Biostatistics Colloquia. The idea of the colloquia was for statisticians and biostatisticians to keep each other informed about research performed in the Bay Area; they quickly evolved to serve a social as well as an educational function. In 1981, the membership of the Colloquia merged into the S.F. Bay Area Chapter of ASA.

The Chapter is pleased to send sincere best wishes to Professor Chiang for a happy retirement along with the hope that he will continue to participate in Chapter activities and to contribute with presentations and counsel.

VOLUNTEERS NEEDED - 1987 JOINT STATISTICAL MEETINGS

The Chapter is issuing a plea for members to volunteer to man the INFORMATION BOOTH or the PRESS ROOM at the Joint Statistical Meetings, to be held August 17-20, 1987 at the San Francisco Civic Auditorium. Members will be needed at the INFORMATION BOOTH (to answer questions about transportation, dining, how to get to tourist sites, etc.) from Sunday, August 16 through Thursday noon, August 20.

Please contact Dr. Dean Fearn at California State University, Hayward [(415) 881-3447] if you can volunteer some time or Elizabeth King [(415) 938-9417] if you have any questions. Some books from the Publishers' Exhibits will be available to students who work.

EMPLOYMENT OPPORTUNITIES

Veterans Administration Cooperative Studies Program Coordinating Center at the Palo Alto VA Medical Center (Menlo Park Division) has the following vacancy:

STATISTICAL PROGRAMMER

Responsibilities include performing data management and statistical analyses of multi-center clinical trial data using PL/1, FORTRAN, or other high level language and statistical computing packages such as SAS and BMDP.

This position requires a Master's degree in statistics, biostatistics, or related field with programming experience; or a Master's degree in computer science or equivalent with experience in biostatistical applications. Knowledge of JCL, text editors such as WYLBUR or TSO, and microcomputer software is a plus. Experience may be substituted for graduate education. Starting salary range is \$22,400 - \$27,100.

Applicants must be United States citizens. If interested, send resume to:

Dr. Kenneth E. James
CSPCC (151-K)
VA Medical Center
3801 Miranda Avenue
Palo Alto, CA 94304

or call (415) 493-5000, x2181.

Syntex Laboratories has the following job openings:

1. BIOSTATISTICIAN I/II

Design, analyze and report Phase IV clinical trials; determine appropriate experimental designs, statistical analysis techniques, and report formats; perform statistical analyses using micro and mainframe computers, and write statistical reports. Must be able to work independently, under pressure, and with medical and other non-statistical staff.

Requirements: MS in biostatistics with 5-10 years of clinical trials experience, or Ph.D with 1-10 years experience.



2. BIOANALYST II

Perform data manipulation and analysis under the direction of a biostatistician; prepare summary tables for statistical reports; must be able to understand and interpret statistical analyses. Assist biostatisticians and other staff by solving microcomputer problems related to package software, local area networks, printers, and plotters.

Requirements: MS in biostatistics with 1-3 years of experience in data analysis. Must be familiar with SAS and micro and mainframe computers.

If interested, contact:

Laurie Peltier
Syntex Laboratories
3401 Hillview Ave.
Palo Alto, CA 94303
(415) 855-5914

Lucho Bravo
Syntex Laboratories L-1108
3401 Hillview Ave.
Palo Alto, CA 94303
(415) 855-6297

Syva, the medical diagnostics division of Syntex, is currently seeking:

1. BIOSTATISTICS SUPERVISOR

Assess statistics requirements throughout the company, defining timeliness and resource needs; supervise the programming staff, develop R&D projects, coordinate biostatistics activities for Syva and be involved with experimental design.

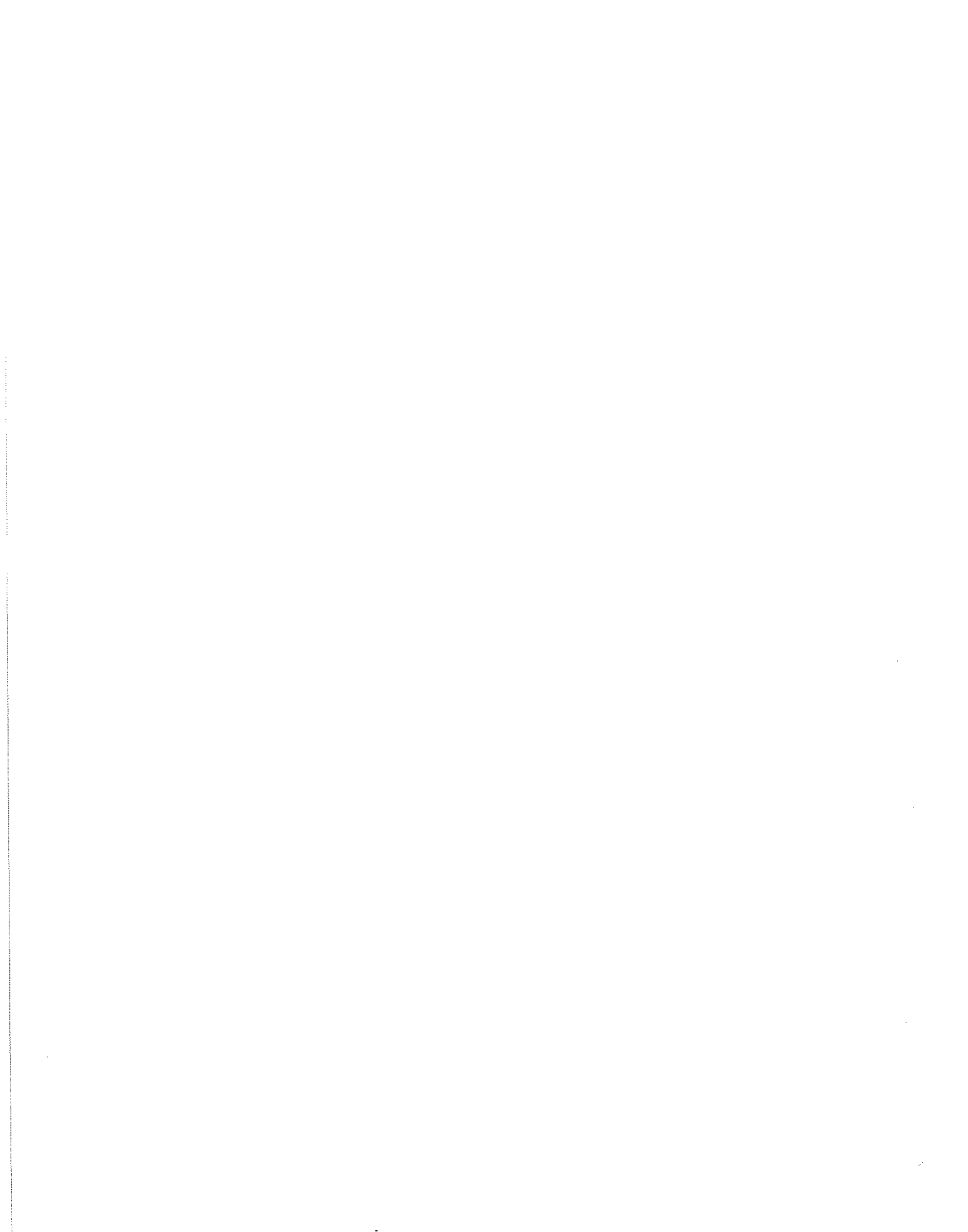
Requirements: a strong statistical background and excellent interpersonal skills. MS or equivalent experience in biostatistics and 7 years job related experience in statistics required, with 3-5 years of supervisory experience. A diagnostic industrial background preferred.

2. BIOSTATISTICIAN

Develop, document, implement and review new statistical procedures concerning all aspects of product development, clinical trials, production, quality control and quality assurance. This position has the overall responsibility to ensure that appropriate statistical procedures are being used to collect and analyze data throughout Syva.

Requirements: MS in statistics, biostatistics or biometry, or equivalent training; 3-5 years related job experience, knowledge of SAS and/or RSE, and excellent verbal and written communication skills.

Syva's excellent benefits package includes generous relocation assistance. Please send your resume to: Syva, Dept FS2, Professional Staffing, P.O. Box 10058, Palo Alto, CA 94303.





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

MAY 1987 Calendar

MAY 19 TUESDAY Estimation and Adjustment of the 1990 Census (Joint Gen
Applic and Biostat Programs)

JOINT GENERAL APPLICATIONS PROGRAM AND BIOSTATISTICAL PROGRAM

SPEAKER: Barbara Bailar, Ph.D.
1987 President, American Statistical Association

TOPIC: "ESTIMATION AND ADJUSTMENT OF THE 1990 CENSUS"

After the 1980 Census, over 35 cities and towns brought legal action against the Census Bureau due to undercounting. A case is still pending in New York City. In the meantime, planning and testing is going forward for the 1990 Census. Decisions need to be made on how much estimation, including adjustment for undercounting, will take place in the census. The statistician's role is of major importance.

DATE: May 19, 1987 (Tuesday)
3:30 - 4:00 Coffee and cookies
4:00 - 5:00 Presentation

PLACE: University of California, Berkeley
1011 Evans Hall

The San Francisco Bay Area Chapter is honored to have Barbara Bailar, President of the American Statistical Association, as our speaker. So that members will have a greater opportunity to meet and visit with President Bailar, the Chapter has arranged an evening social get-together in the O'Neill Room at the UC Men's Faculty Club.

6:00 No host cocktails
6:30 Prime Rib Dinner (Price: \$16.00, including tax and tip)

Reservations for dinner are needed. Please call Florence van Geem at (415) 271-5987 by noon on Friday, May 15. Also call Florence if you will be unable to attend after making reservations as the Chapter is held responsible for no-shows. Those unable to join us for dinner are welcome to attend the presentation.

PREVIEW: JUNE 18 THURSDAY Joint General Applications and Biostatistical Programs followed by the annual business meeting.

PRESIDENT
Elizabeth S. King
(415) 938-9417

PRESIDENT-ELECT
Alvin D. Wiggins
(916) 752-7623

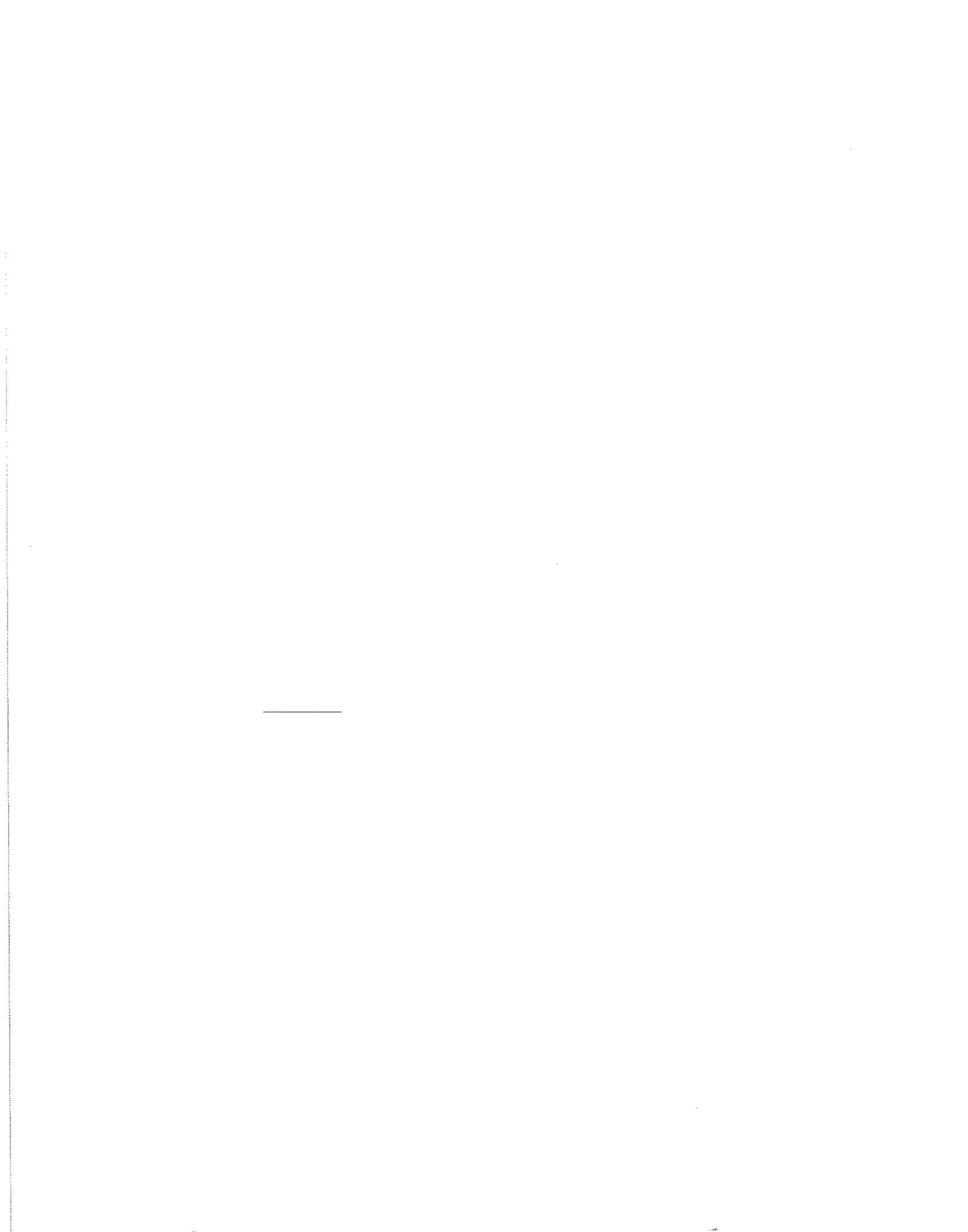
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Syntex Laboratories L-1108
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Palo Alto, CA 94303
(415) 855-6297

The Dept. of Medical Economics and Statistics at Kaiser Permanente has the following opening:

STATISTICIAN

A senior level professional with strong quantitative skills and computer experience to take a leadership role and be responsible for a variety of projects including: conducting special studies and economic research on health care utilization, cost of services, enrollment and prepaid rates; assisting in the development of recommendations regarding future management information needs; consulting on the design and evaluation of health care data.

Desired qualifications: Master's degree in mathematics, statistics, biostatistics or economics; 3-5 yrs. of pertinent experience; demonstrated expertise with mainframe computers and statistical packages; excellent communications skills.

Forward resume to: Kaiser Permanente, One Kaiser Plaza, Room 2602, Oakland, CA 94612.



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Assess statistics requirements throughout the company, defining timeliness and resource needs; supervise the programming staff, develop R&D projects, coordinate biostatistics activities for Syva and be involved with experimental design.

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Syva's excellent benefits package includes generous relocation assistance. Please send your resume to: Syva, Dept FS2, Professional Staffing, P.O. Box 10058, Palo Alto, CA 94303.

POSITION WANTED

Ph.D. Statistician: 3+ years experience in consulting and research; strong survey sampling and modelling background; good computing experience, including SAS, DOS, UNIX, PASCAL, and FORTRAN; excellent communication skills; full range of project experience, including proposal writing, client interaction, project management, and report preparation. Seeking position as applied statistician in the San Francisco Bay Area. If interested, contact: James Bethel, 1648 Newton Street NW, Washington, D.C. 20010.



1987-88 OFFICERS

President Elizabeth King has appointed a Nominating Committee to select the slate of Chapter Officers for the term 7/1/87 to 6/30/88: Nick Jewel [Chairman] (642-7900), Karen Jones (557-1426), and Arlene Frazier (622-8422). Nominations will be made for the offices of President-elect, Vice President-General Applications Programs, Vice President-Biostatistical Programs, Secretary, and Treasurer. If you would like to serve the Chapter or know someone who would, please call a member of the Committee.

VOLUNTEERS NEEDED - 1987 JOINT STATISTICAL MEETINGS

Chapter members are needed to man the INFORMATION BOOTH and the PRESS ROOM at the Joint Statistical Meetings, to be held August 17-20, 1987 at the San Francisco Civic Auditorium. Members will be needed at the INFORMATION BOOTH from Sunday, August 16 through Thursday, August 20.

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International Pen Pal

Dr. Yan Delun, the Deputy Director of the Shanghai Municipal Statistical Bureau and the Vice President of the Shanghai Municipal Statistical Society, wrote the American Statistical Association with expressions of interest in joint activities. In his letters, he suggested that, since the Shanghai Municipal Statistical Society is a local academic organization, it might be more appropriate to interact with a local organization, like a local chapter. Since Shanghai and San Francisco enjoy sister cities status, the SF Bay Area Chapter seems like a natural place to initiate contact. Although the Chapter will respond to Dr. Yan's letter, individual Chapter members are invited to correspond with him. Any member who is planning to attend the Joint Sino-American Statistical Meeting in Beijing, China on August 31 - September 2, 1987, could take advantage of this opportunity to establish contact with a Chinese statistician. There is not a language barrier as Dr. Yan communicated with the national ASA office in English. He can be reached at:

Dr. Yan Delun, Deputy Director
Shanghai Municipal Statistical Bureau
30 Fuzhou Lu
Shanghai, China





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

APRIL 1987 Calendar

APR 22 WEDNESDAY SAS and the Single Statistician: Using PC SAS in the Analysis of Data (Gen Applic Program)
 APR 30 THURSDAY Some Issues in Modeling Use of Mental Health Services From Insurance Data (Biostat Program, joint with Stanford Biostat Workshop)

GENERAL APPLICATIONS PROGRAM

SPEAKER: Andrew J. L. Cary, Bioanalysis Manager
 Institute of Research and Data Management
 Syntex Research

TOPIC: "SAS AND THE SINGLE STATISTICIAN: USING PC SAS IN THE ANALYSIS OF DATA"

This lecture will discuss how PC SAS can be used to analyze data from a clinical trial. It is intended as a means for analyzing data and not intended as a discussion of statistical methodology. It will discuss downloading data from a mainframe, reviewing the data, performing analyses of the data, preparing summary tables and graphics, and archiving the resulting analyses. The trial discussed is a double blind parallel trial comparing the pain relief of two drugs. The advantages and disadvantages of performing this type of analysis on a PC using SAS will be discussed.

DATE: April 22, 1987 (Wednesday)
 3:30 - 4:00 Coffee and cookies
 4:00 - 5:00 Presentation

PLACE: California State University at Hayward
 North Science 206

Parking is available in coin lot or in Lot F. If you park in Lot F, you must go to the visitor kiosk and get a pass which allows you to park in Lot F (see map on the next page). BART buses are available to the Campus from the Hayward B Street station every 20 minutes.

PRESIDENT
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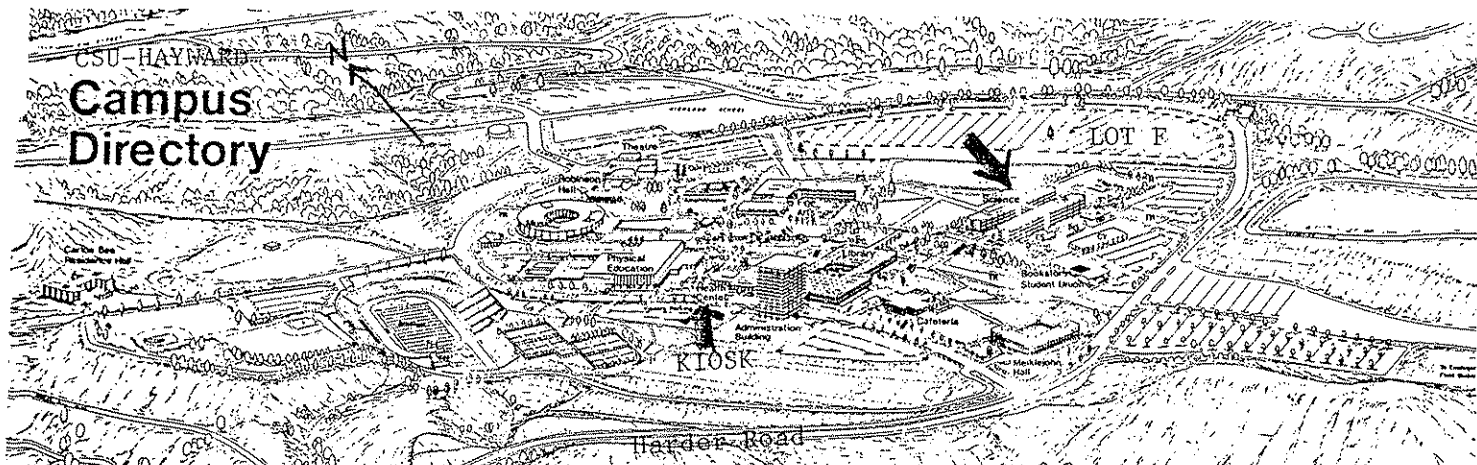
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BIostatistical PROGRAM (joint with Stanford Workshop in Biostatistics)

SPEAKER: Nicholas P. Jewell, Ph.D.
 Associate Professor
 Statistics & Biostatistics
 University of California, Berkeley

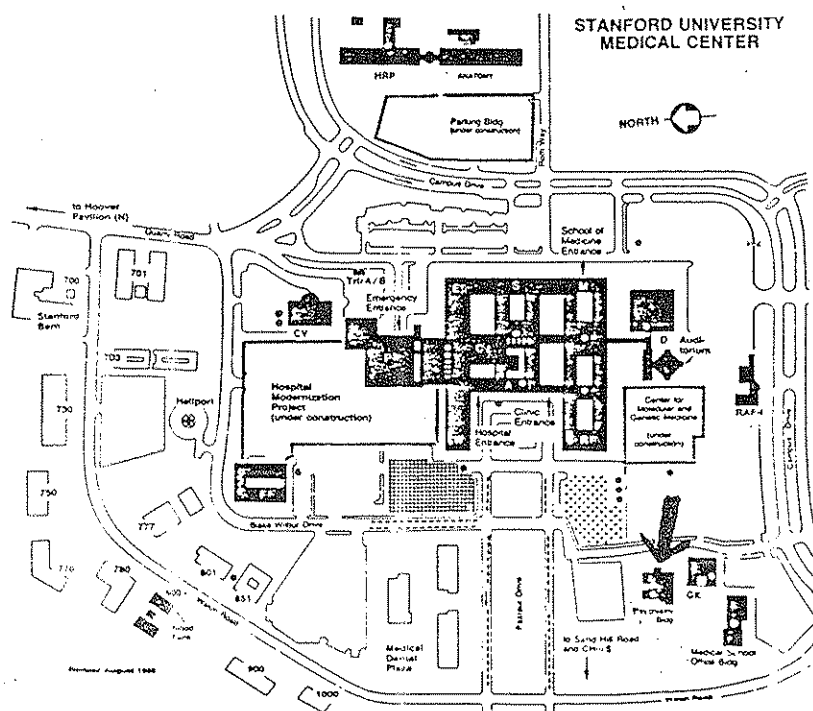
TITLE: "SOME ISSUES IN MODELING USE OF MENTAL HEALTH SERVICES FROM INSURANCE DATA"

The Federal Employees Health Benefit Plan Study is concerned with an investigation of factors associated with the use of mental health services in an insured population. Several interesting statistical issues arose concerning the sampling design and subsequent data analysis. This talk will discuss some of these issues and provide illustrations using the data set as an example.

DATE: April 30, 1987 (Thursday)
 1:15 - 3:00

LOCATION: Stanford Medical School
 Psychiatry Building - TD110 (refer to map below)

There will be a coffee break, and refreshments will be served after the meeting.



EMPLOYMENT OPPORTUNITIES

Veterans Administration Cooperative Studies Program Coordinating Center at the Palo Alto VA Medical Center (Menlo Park Division) has the following vacancy:

STATISTICAL PROGRAMMER

Responsibilities include performing data management and statistical analyses of multi-center clinical trial data using PL/1, FORTRAN, or other high level language and statistical computing packages such as SAS and BMDP.

This position requires a Master's degree in statistics, biostatistics, or related field with programming experience; or a Master's degree in computer science or equivalent with experience in biostatistical applications. Knowledge of JCL, text editors such as WYLBUR or TSO, and microcomputer software is a plus. Experience may be substituted for graduate education. Starting salary range is \$22,400 - \$27,100.

Applicants must be United States citizens. If interested, send resume to:

Dr. Kenneth E. James
CSPCC (151-K)
VA Medical Center
3801 Miranda Avenue
Palo Alto, CA 94304

or call (415) 493-5000, x2181.

The Department of Applied Behavioral Sciences at the University of California at Davis has the following opening:

POST GRADUATE RESEARCHER (PGR II-III)

The research examines the relationship of health and nutrition on the physical and cognitive development of children in developing countries. Responsibilities include:

- Performing duties of a data manager by reading foreign tapes and structuring data into databases and analysis files primarily on the Vax 11/785 machines under VMS and IBM compatible microcomputers
- Supporting software and maintaining some hardware
- Documenting datasets and study methodology
- Preparing study results for presentation and publication
- Consulting on survey design and data collection

This position requires a knowledge of Vax 11/785 OS and tape procedures, standard statistical packages (primarily SPSSX), clinical trials designs, and survey research. Good verbal and written communication skills are highly desirable. Starting salary range is \$22,896 - \$23,964, commensurate with education and experience. The final filing date is May 15, and the position is to begin on or about July 1.

If interested, applicants should send resume with a statement of interest and qualifications to:

LaVon Missell
Department of Applied Behavioral Sciences
University of California
Davis, CA 95616

Ph.D. Program in Criminal Justice

The field of criminal justice has been moving rapidly in a quantitative direction. However, many doctoral candidates from traditional criminology, sociology, or political science programs are ill-equipped to handle the level of statistical sophistication required of Ph.D. students in criminal justice. The City University of New York (CUNY) has a Ph.D. program in criminal justice and would like to contact either (1) students with a Master's degree in statistics or statistics/computer science who might be interested in switching to a "content field" for the Ph.D., or (2) persons working in the field with a Master's degree in some quantitative field who are contemplating returning to school. If you would like to learn more about the program, write to:

Carl F. Wiedemann
Graduate Studies
John Jay College of Criminal Justice
444 W. 56th Street
New York, NY 10019

* * * * *

IMPORTANT NOTICE

Beginning with the previous issue of the Newsletter, the date you last paid Chapter dues has been shown on the mailing label following your name. Please take a moment to check it. If you see a date more than a year ago and you have not made a recent payment to the National ASA Office, please use the form below to send your membership dues to our treasurer, Anna Bagniewska. Also contact Anna (855-5289) if you feel that there is an error in the date; the Chapter plans to further pare the mailing list in the near future. An "*" with no date means that you are receiving the Newsletter as a courtesy. We would welcome you as a Chapter member with payment of local dues. If you pay Chapter dues to the National ASA Office, the date shown has been provided by them.

Anna Bagniewska, Biostatistician, Syntex Labs, 3401 Hillview Avenue L2036, Palo Alto, CA 94304

Please extend my local Chapter Membership another twelve months. I have enclosed a check for \$6 Regular or \$1 Student Membership payable to ASA-S.F. Chapter.

NAME-----

ADDRESS-----



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

MARCH 1987 Calendar

MAR 26 THURSDAY Estimating Extreme Quantiles of Time Series
(Biostat Program)

BIostatISTICAL PROGRAM

SPEAKER: Anthony Thrall, Ph.D.

Electric Power Research Institute (EPRI)

TOPIC: "ESTIMATING EXTREME QUANTILES OF TIME SERIES"

Assessing acute health hazards from environmental pollutants requires one to estimate how high environmental concentrations are likely to be under existing and alternative control strategies. The concentrations can sometimes be reasonably modelled as a time series. The accuracy of different quantile estimators will be discussed, and exact and asymptotic results will be reviewed.

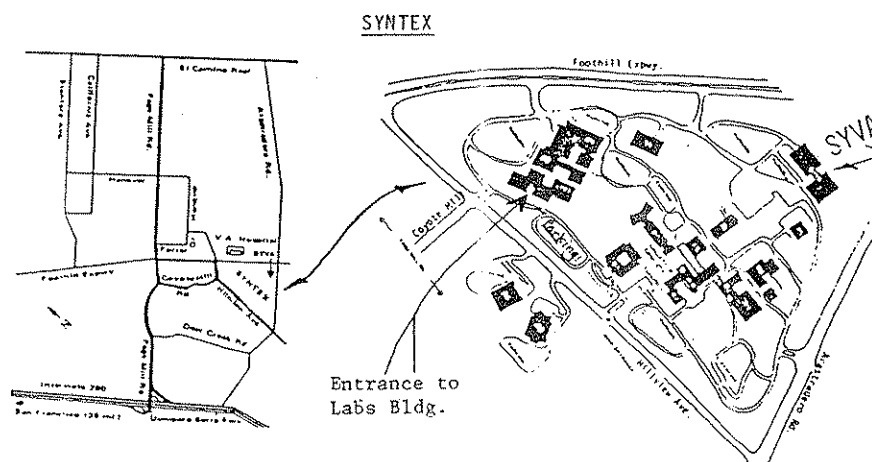
DATE: March 26, 1987 (Thursday)

3:30 - 4:00 Coffee

4:00 - 5:00 Presentation

PLACE: L-2115, Main Conference Room
Syntex Labs Building (see map)
Hillview Avenue in Palo Alto

John Varady has kindly offered to be the local host. Following the presentation, refreshments will be served at his home. Directions will be provided at the meeting.



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987 JOINT STATISTICAL MEETINGS - San Francisco, August 17-20, 1987

The Local Arrangements Committee has been very busy providing publicity support to the National ASA Office and making plans for the Information Booth which will be located at the Civic Auditorium (location for all daytime sessions). Watch your next few issues of AMSTAT NEWS for some of the articles provided by Chapter members, Dave Kimble and Rose Ray.

If you are available to work at the Information Booth, contact Dean Fearn (881-3447). Other members working on the brochure to be available at registration or on local press publicity are Joyce Baptista, Joe Doyle, Arlene Frazier, Wes Johnson, Barbara Kamm, Andrea Lash, and Liz King.

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ADDRESS-----



EMPLOYMENT OPPORTUNITIES

Instruction and Research Information Systems (IRIS), a division of Academic Computing and Information Systems, Stanford University, is seeking:

STATISTICAL COMPUTING SPECIALIST - responsible for evaluating statistical computing needs and practices of academic community and planning and implementing support strategies; consulting on statistical software and applications; evaluating software; presenting seminars; participating in software maintenance.

Qualifications: Degree in Statistics, Computer Science, or related field; excellent and varied computing skills; 3-5 years recent data analysis and statistical package experience.

Salary: Range for Scientific Programmer III
\$2,608-4,242 per Month (Depending on Years of
Applicable Experience)

Applicants should send resume and letter, and direct inquiries to:

Cathy Smith
IRIS
Sweet Hall, 3rd Floor
Stanford, CA 94305-3091
(415) 723-1055

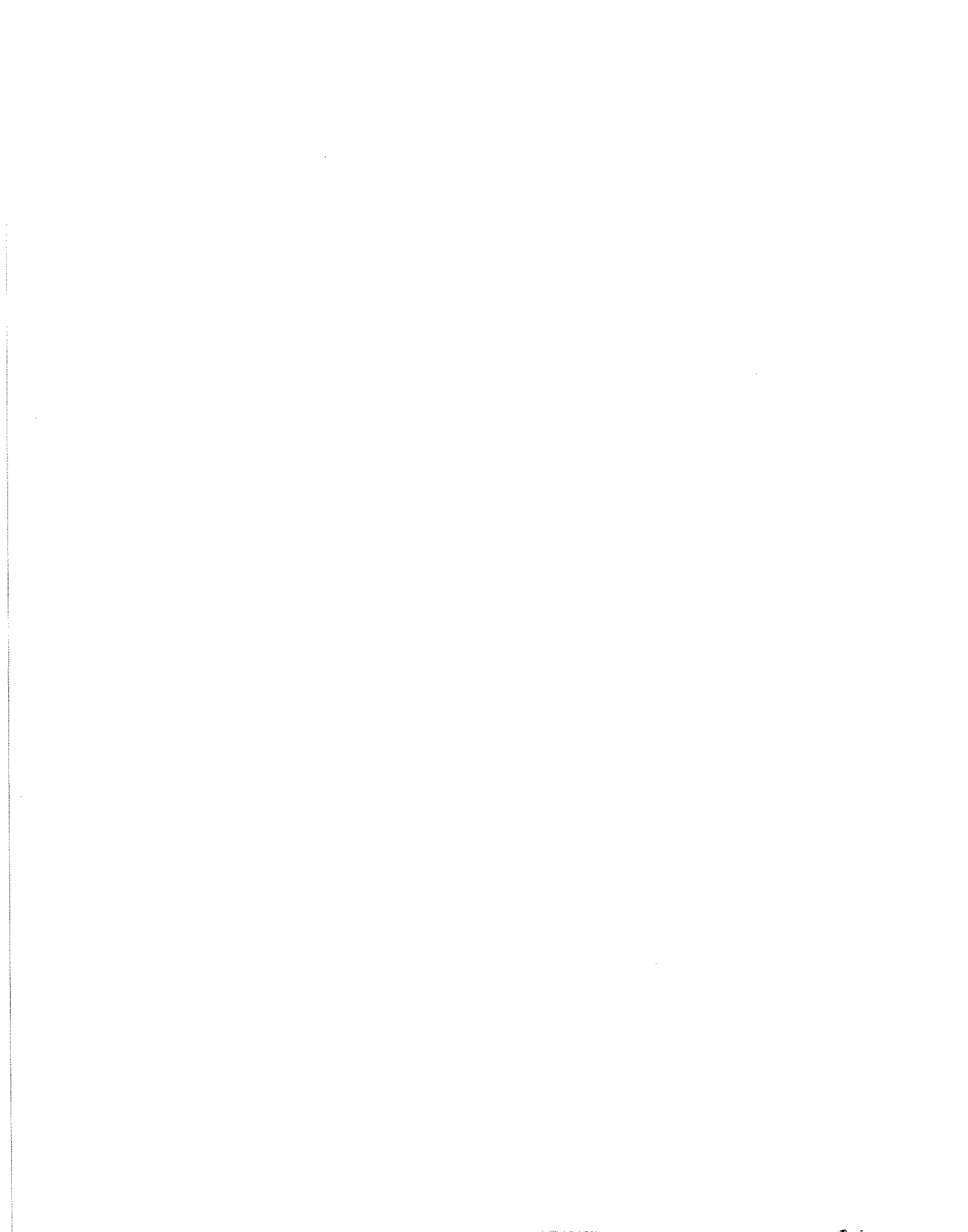
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BIostatistician I/II - design, analyze, and report Phase IV clinical trials; determine appropriate experimental designs, statistical analysis techniques, and report formats; perform statistical analyses and write statistical reports. Must be able to work independently, under pressure, and with medical and other non-statistical staff.

Requirements: Masters or Doctorate in Biostatistics or Statistics, with pharmaceutical clinical trials experience. Fluency with SAS and knowledge of DOS helpful.

For more details, contact:

Lucho Bravo
Human Resources
Syntex Laboratories
3401 Hillview Ave. L2036
Palo Alto, CA 94330
(415) 855-6297



AMENDMENT

GENERAL APPLICATIONS PROGRAM

SPEAKER: Janet L. Williams, Ph.D.
Mathematics Department
University of California at Irvine

TOPIC: "MODELLING AN ELECTRICAL-SORT YIELD OF INTEGRATED CIRCUIT"

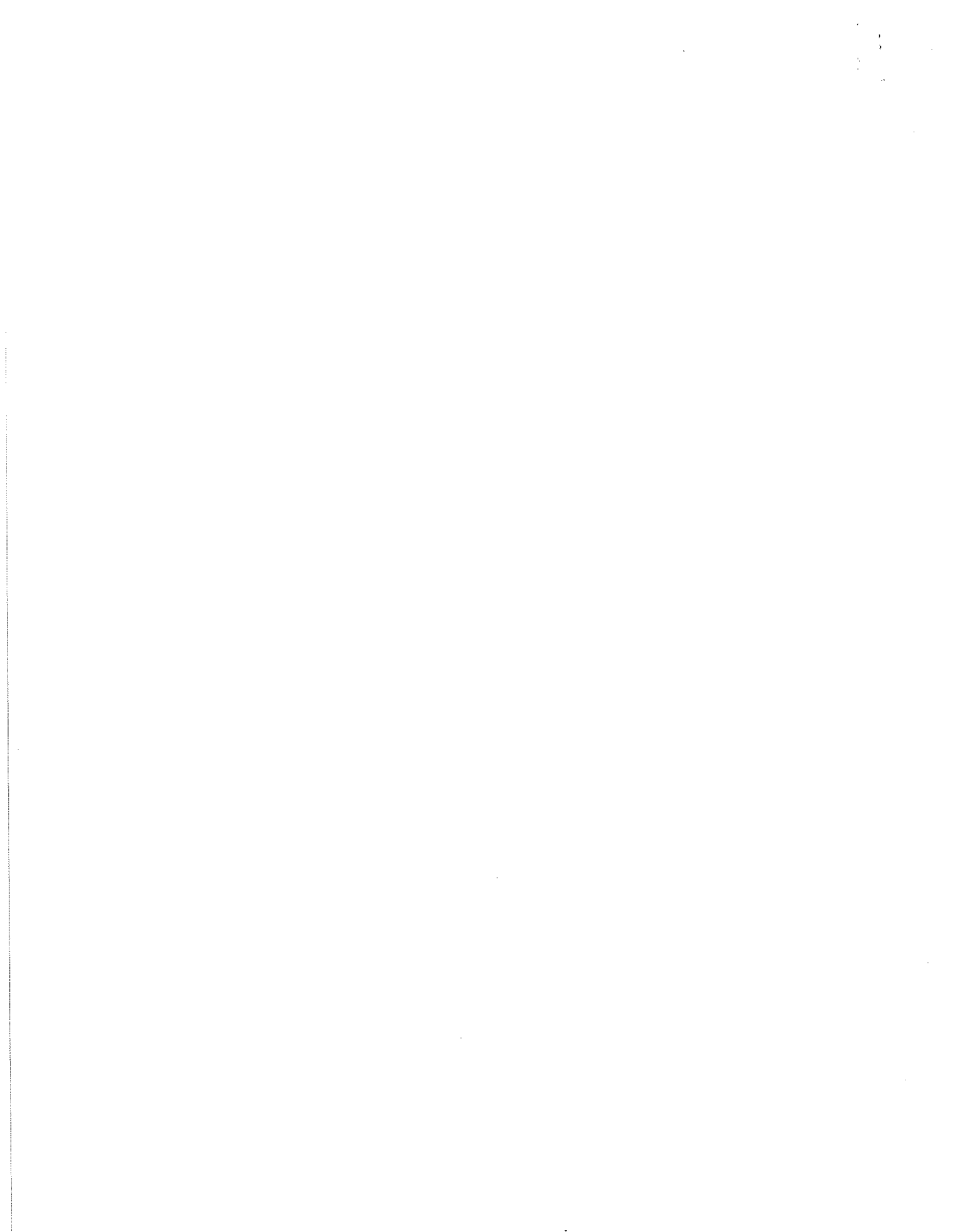
Janet Williams, a Visiting Scholar at the UC Berkeley Statistics Department, will present data from 2 fractional factorial experiments. The data will be used to illustrate regression modelling of yield as a function of manufacturing process data. Her presentation will address the definition of the dependent variable and discuss at what point of the analysis does one conclude that further modelling is futile.

DATE: March 19, 1987 (Thursday)
12:00 - 1:00 Luncheon
1:00 - 2:00 Presentation

PLACE: Bardelli's Restaurant
243 O'Farrell Street
San Francisco (2 1/2 blocks from Powell St. Bart Station)

PRICE: \$11.50/person. At lunch, choose from a selection of entrees including chicken, fish, and cannelloni.

Please call Florence van Geem, (415) 271-5987, by March 17 (Tuesday) with reservations. Those unable to join us for lunch are welcomed to attend the presentation at 1:00 and should also telephone Florence so that an adequate-sized room can be reserved.





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

FEBRUARY 1987 Calendar

- FEB 20 FRIDAY Probability, Statistics, and Operations Research in LOTUS 1-2-3 and SYMPHONY (Gen Appl Program)
- FEB 26 THURSDAY Non-Linear Regression with Heteroscedastic Pharmacokinetic Type Data (Biostat Program)

GENERAL APPLICATIONS PROGRAM

- SPEAKER:** Laurence George, Ph.D.
Expert Statistical Systems, Inc.
- TOPIC:** *PROBABILITY, STATISTICS, AND OPERATIONS RESEARCH IN LOTUS 1-2-3 AND SYMPHONY*
Larry George will describe LOTUS 1-2-3 and SYMPHONY templates for probability, statistics, and operations research by describing a few templates in detail and mentioning the rest. He will describe Test Conconi (piecewise linear regression), risk analysis, and possibly Markov processes. Statisticians like to program solutions to their own problems; unfortunately, this may not be an efficient use of their abilities. The templates described will make their problem-solving quick and painless.
- DATE:** February 20, 1987 (Friday)
12:00 - 1:00 Luncheon (Cost: \$8 per person)
1:00 - 2:00 Presentation
- PLACE:** Redwood Room at Pac Bell
2600 Camino Ramon in San Ramon, California

DIRECTIONS:

Take the Bollinger Canyon exit off Hwy 680, and proceed east. At the second light, turn left onto Camino Ramon. Pac Bell will be on your left about 1/2 mile down the road. After parking in the visitors' parking lot, enter the building at the main entrance (near the fountain). Attendees will need to sign in at the desk. The Redwood Room is in the dining room area; the receptionist will provide directions.

Those unable to join us for lunch are welcomed to attend the presentation at 1:00. Reservations are essential for lunch. If they have not been made through Pac Bell, please contact Florence van Geem at (415) 271-5987 by Wednesday, February 18 to make a luncheon reservation.

BIostatistical PROGRAM

- SPEAKER:** Stuart L. Beal, Ph.D.
Associate Professor of Biostatistics
University of California at San Francisco
- TOPIC:** *NON-LINEAR REGRESSION WITH HETEROSCEDASTIC PHARMACOKINETIC TYPE DATA*
Techniques will be outlined. Simulation results will be presented that evaluate point estimates and confidence interval coverage.
- DATE:** February 26, 1987 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation
- PLACE:** Toland Hall in the Clinics Building (old) of the University of California at San Francisco
Parnassus Avenue near 3rd Avenue

PRESIDENT
Elizabeth S. King
(415) 938-9417

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(916) 752-7623

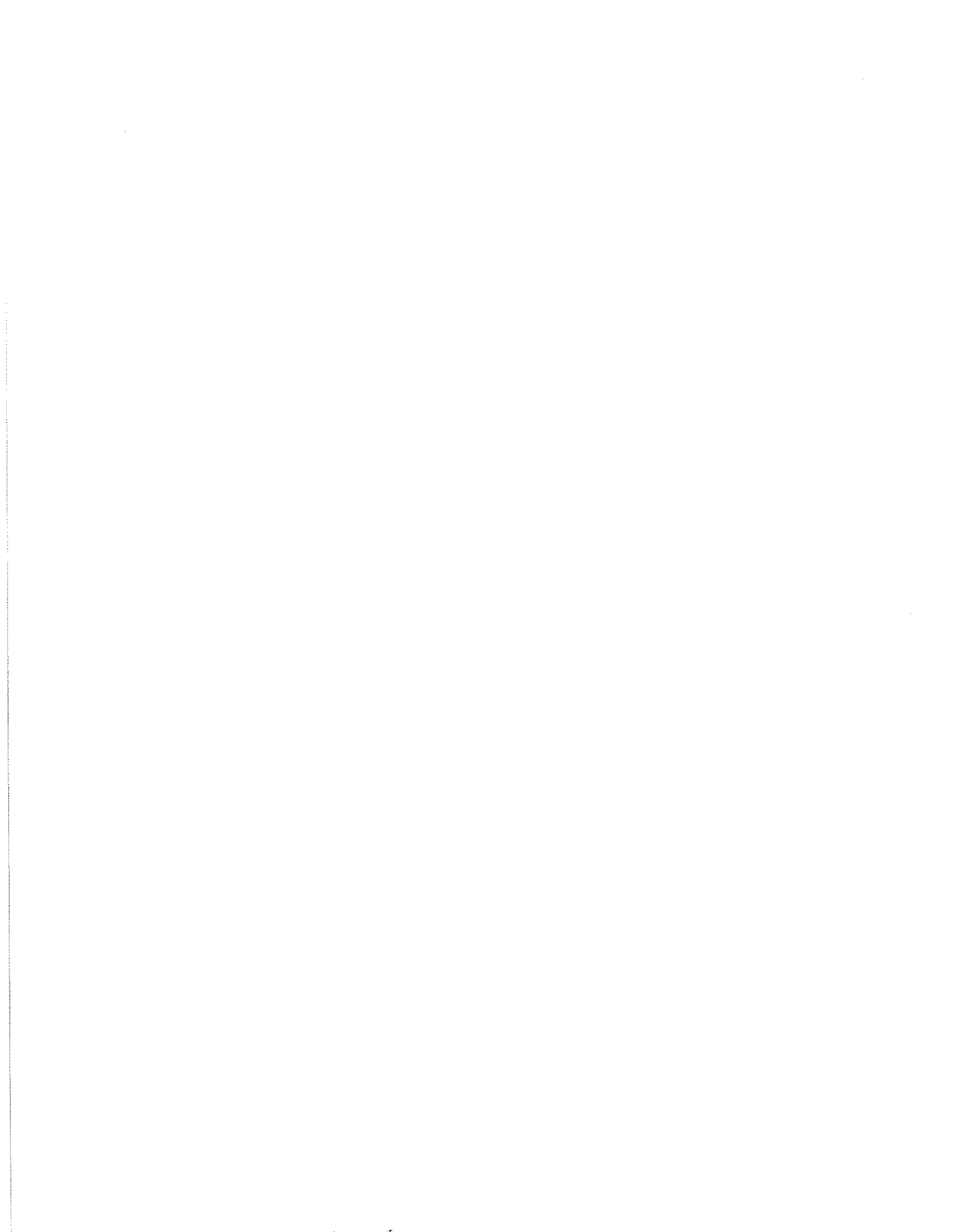
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(415) 493-5000 x2181

TREASURER
Anna Bagniewska
(415) 855-5289

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Barbara Kamm
(415) 855-6163



EMPLOYMENT OPPORTUNITIES

Failure Analysis Associates, an engineering and scientific consulting firm, has the following vacancy at its Palo Alto office:

BIOSTATISTICIAN/EPIDEMIOLOGIST with a Master's degree in Statistics, Biostatistics, or Epidemiology with a strong biostatistics component. Duties include:

- Assisting in the conduct of quantitative epidemiologic studies, health risk analyses, and statistical analyses
- Performing literature reviews and maintaining literature reference databases
- Running analyses using statistical software packages

Good computing skills and familiarity with statistical packages are highly desirable. Excellent remuneration and benefits package.

Applicants should send a resume to:

Personnel Manager
Reference: RP.1
Failure Analysis Associates
P.O. Box 51470
Palo Alto, CA 94303

Coopers & Lybrand, a management consulting service, is assisting a Southeastern Michigan based marketing firm to fill the following position:

QUANTITATIVE ANALYSIS MANAGER (DIRECTOR) - Responsible for all research and development, including the creation and modification of quantitative and graphical models of consumer behavior for multi-outlet retailing clients of an expanding consulting firm.

Specifications:

- . M.A. or Ph.D. in Statistics
- . 3 to 5 years experience developing mathematical models of business situations
- . Knowledge of Fortran and familiarity with SAS or SPSS

Starting
Compensation: \$50 - 70,000 annually
Excellent fringe benefit package
Relocation negotiable

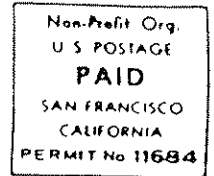
Applicants should send resume and brief letter and direct all further inquiries to:

Brian R. Walby, Ph.D.
Management Consulting Services
Coopers & Lybrand
400 Renaissance Center
Detroit, Michigan 48243
(313) 446-7410



SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association

515 Tiller Lane
Redwood City CA 94065



If there is a modification to your address label (e.g. correct misspellings, correct address, or add internal mail routing code), or if you have an announcement or a job vacancy, let me know by writing: Kelvin Lee, 515 Tiller Lane, Redwood City, CA 94065, by the middle of the month.



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

BEST WISHES FOR A HAPPY AND HEALTHY 1987!!

JANUARY 1987 Calendar

JAN 29 THURSDAY Methods for Analyzing Data with Covariate Measurement Error (Biostat Program)

BIostatistical PROGRAM

SPEAKER: Alice Whittemore
Professor of Family, Community and Preventive Medicine
Stanford University Medical Center

TOPIC: "METHODS FOR ANALYZING DATA WITH COVARIATE MEASUREMENT ERROR"

Epidemiological studies of estimating covariate effects find that often these covariates have measurement error. For example, in environmental studies, estimates of exposure are fraught with error. Dr. Whittemore will discuss various strategies to handle such situations.

DATE: January 29, 1987 (Thursday)
3:30 - 4:00 Coffee
4:00 - 5:00 Presentation

PLACE: Electric Power Research Institute (EPRI)
3412 Hillview Avenue
Palo Alto, CA

DIRECTIONS: EPRI is located on Hillview Avenue near Arastradero Road in Palo Alto. Go to Building 1, and the guard will direct you to the Auditorium.

* * * * *

PREVIEW: Feb 20, Friday Dr. Laurence George of Expert Statistical Systems, Inc., will speak about LOTUS templates for statistics, probability, and operations research.

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Employment Opportunities

The California Department of Fish and Game anticipates the following opening: Experienced STATISTICIAN in its Southern California Biometrics Unit in Long Beach. The title of this position is Statistical Methods Analyst III with a salary range of \$2768 to \$3339 per month plus benefits.

Applicants must have a Masters or Doctorate and/or experience, specializing in fisheries or ecological statistics including sampling theory, experimental design, multivariate techniques, and EDA. Also, experience in fisheries population dynamics and stock assessment is advantageous.

Interested persons should submit their resumes to:

California Department of Fish and Game
ATTN: Richard L. Dixon
1301 West 12th Street
Long Beach, CA 90813

Environmental Health Associates, Inc., a private consulting firm in environmental and occupational health research, has the following opening: STATISTICAL PROGRAMMER with two or more years of programming experience in SAS and dBASE. Experience with SYMPHONY, SAMNA, CMS, and the IBM EXEC language is desirable. A B.S. degree in statistics, public health, or a biological science with some statistical experience is required.

Interested persons should send a resume, and a letter discussing experience and salary requirements to:

Environmental Health Associates, Inc.
ATTN: Robert Graebner
P. O. Box 23050
Oakland, CA 94623-2305

* * * * *

Petition for ASA Postage Stamp

The ASA Board of Directors has approved circulation of a petition requesting that a special U.S. postage stamp be issued in 1989 to celebrate the ASA Sesquicentennial. Petitioners need not be statisticians; the only requirements are U.S. citizenship with a U.S. residential address and must be at least 18 years of age. The SF Bay Area Chapter encourages its members to obtain signatures on the attached petition from colleagues, friends, relatives, staff, students, neighbors, etc. Return petitions to Dr. Alan Izenman at Temple University. Additional petitions may be machine copied.

* * * * *

If there is a modification to your address label (e.g. correct misspellings, correct address, or add internal mail routing code), or if you have an announcement or a job vacancy, let me know by writing: Kelvin Lee, 515 Tiller Lane, Redwood City, CA 94065, by the middle of the month.



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

HAPPY HOLIDAYS!!

DECEMBER 1986 Calendar

DEC 11 THURSDAY Survey of Games (General Applications Program)

GENERAL APPLICATIONS PROGRAM

SPEAKER: Michael Orkin, Ph.D.
Chairman, Department of Statistics
California State University, Hayward

TOPIC: "SURVEY OF GAMES"

Professor Orkin received his Ph.D. from the University of California at Berkeley where he studied game theory with Professor David Blackwell. His current research specialty is game theory. Professor Orkin will discuss popular gambling games including casino games, lotteries, horse racing, and sports betting. If time permits, he will discuss other types of games.

DATE: December 11, 1986 (Thursday)
3:30 - 4:30 Presentation
4:30 - 5:30 No-host cocktails with hors d' oeuvres

PLACE: El Caballo Restaurant
67 Jack London Square
Oakland, CA

PRICE: \$4.00/person. Please call Florence Van Geem at (415) 271-5987 by Wednesday, December 10, with reservations.

* * * * *

If there is a modification to your address label (e.g. correct address, add internal mail routing code, or correct misspellings), or if you have an announcement or a job vacancy, let me know by writing: Kelvin Lee, 515 Tiller Lane, Redwood City, CA 94065, by the middle of the month.

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Employment Opportunity

The Veterans Administration Cooperative Studies Program Coordinating Center at the Palo Alto VA Medical Center (Menlo Park Divison) has 2 vacancies:

1. Biostatistician

Responsibilities Include:

- Consulting with medical investigators in the design, implementation, and analysis of multi-center clinical trials in the Veterans Administration.
- Responsibility as a team leader for clinical trials in the ongoing and final analysis stages, including data coordination, statistical analysis, programming and data processing.
- Providing support for the administrative and operational aspects of assigned clinical trials, functioning as a project manager.

Candidates should have a Ph.D. in statistics, biostatistics or related field, with experience in medical consulting. Alternatively, the candidate could have a Masters degree with three to four years of experience in multi-center clinical trials. Good verbal and written communication skills are required with the ability to make effective presentations of research proposals. The starting salary range for the position is \$32,500 to \$38,700.

2. Statistical Programmer

Responsibilities Include:

- Design, debugging, implementation, documentation, and maintenance of programs which generate statistical analyses, tables, and/or graphs using PL/1, FORTRAN, and other high level languages and statistical computing packages such as SAS and a BMDP.
- Providing support to biostatisticians and administrative personnel in a multi-center clinical research setting.

This position requires a Masters degree in statistics, biostatistics or related field with programming experience; or a Masters degree in computer science or equivalent with experience in biostatistical applications. Knowledge of JCL, text editors such as WYLBUR or TSO, and microcomputer software is a plus. Experience may be substituted for graduate education. Starting salary range is \$22,400 - \$27,100.

Applicants for these positions must be United States citizens. If interested, send resume to:

Dr. Kenneth E. James
CSPCC (151-K)
VA Medical Center
3801 Miranda Avenue
Palo Alto, CA 94304

or call (415) 493-5000, x 2181



American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

NOVEMBER 1986 Calendar

Nov 20 Thursday Statistical Issues in The Use of Twins for Studies of Heritability (Joint General Applic and Biostat Program)

JOINT GENERAL APPLICATIONS AND BIostatISTICS PROGRAM

SPEAKER: Dorit Carmelli, Ph.D.
Senior Biostatistician, Stanford Research Institute (SRI)

TOPIC: "STATISTICAL ISSUES IN THE USE OF TWINS FOR STUDIES OF HERITABILITY"

Dr. Carmelli was granted her Ph.D. in Mathematical Genetics from the Weizmann Institute in Israel. She has been with SRI for 6 years, currently in the Department of Behavioral Medicine. Her presentation will discuss the statistical assumptions commonly made in studies of twins and will address their validity.

DATE: November 20, 1986 (Thursday)
3:30 Coffee
4:00 Presentation

PLACE: Hewlett-Packard
Mystery Conference Room in Bldg. 4
1501 Page Mill Rd (near Foothill Expressway)
Palo Alto, CA

Please allow a few extra minutes on Nov. 20. Assemble in the main lobby in Bldg. 4. Attendees must be "escorted" to the meeting room.

† †

PREVIEW: Dec 11, Thursday Dr. Michael Orkin, CSU at Hayward, will talk about "Games of Chance" (lottery, casino, etc.)

† †

Employment Opportunity

Lockheed has the following vacancy:

Work in Reliability Assessment group of Missiles Systems Division. Prefer Masters Degree in Statistics with knowledge of SAS. U.S. Citizenship required. Contact:

James J. Buciak
Dept. 84-42 Bldg 584
Lockheed Missiles and Space Company, Inc.
P.O. Box 3504
Sunnyvale, CA 94088-3504
(408) 742-1218

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American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

OCTOBER, 1986 Calendar

- Oct. 16 Thursday The Practical Side of Interim Analyses - Suggested Guidelines and Methods for Project Decision Making in Clinical Studies (Biostat. Progr.)
- Oct. 27 Monday Sequential Experimentation Strategy (ASQC, ASA-SF, IEEE-Reliability)
- Oct. 28 Tuesday Keys to Good Experimentation (FEE EVENT)

BIostatISTICS PROGRAM

SPEAKER: Allen Izu
Manager of Biostatistics
Syntex Research

TOPIC: "THE PRACTICAL SIDE OF INTERIM ANALYSES - SUGGESTED GUIDELINES AND METHODS FOR PROJECT DECISION MAKING IN CLINICAL STUDIES"

DATE: October 16, 1986 (Thursday)
3:30 - Coffee
4:00 - Presentation

PLACE: University of California at Berkeley
1011 Evans Hall

Professor Mike Tarter has kindly offered to be the local host. Following the presentation, refreshments will be served at his home (2717 Benvenue in Berkeley).

ASQC (Santa Clara), ASA (SF Bay Area), and IEEE (Reliability)

SPEAKER: Dr. George Milliken
Co-author, Analysis of Messy Data

Talk

TOPIC: "SEQUENTIAL EXPERIMENTATION STRATEGY"

DATE: October 27, 1986 (Monday)
6:00 - Dinner
7:00 - Presentation

PLACE: ROLM Cafeteria

Seminar

TOPIC: "KEYS TO GOOD EXPERIMENTATION"

DATE: October 28, 1986 (Tuesday)
8:30 a.m. - 5:30 p.m.

PLACE: Syva Building at Syntex

FEE: \$100 (Handouts & Lunch)

Refer to attached flyer for additional information.

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Announcements

At the Joint Statistical Meeting in Chicago in August, the election of 20 new ASA Fellows were announced; three are from Northern California:

KJELL A. DOKSUM, Professor of Statistics, University of California, Berkeley; for original and fundamental contributions to statistical inference especially rank tests, shift functions, and graphical methods; for extensive editorial services; and for general services to the profession.

GEORGE G. ROUSSAS, Professor of Statistics, University of California, Davis; for fundamental scholarly work on large sample theory and inference procedures for Markov processes, for international contributions toward the enhancement of statistical practices, and for excellence in teaching and dedicated administrative leadership.

KENNETH W. WACHTER, Professor of Demography and Statistics, University of California, Berkeley; for significant research contributions at the interface between demography and statistics, for innovative data analysis in a variety of fields, for excellence in teaching, and for dedicated service to the profession.

The San Francisco Bay Area Chapter of ASA is pleased to congratulate Professors Doksum, Roussas, and Wachter for receiving this honor.

* * * * *

The ASA is initiating an experimental series of Winter Conferences. The first will be held in Orlando, Florida, on January 7-9, 1987. The second and third ASA Winter Conferences are tentatively scheduled for San Antonio (January 1988) and Southern California (January 1989), respectively. The theme for the first conference is "Statistics in the Information Age".

These conferences are not intended to be mini annual ASA meetings. The idea is to provide a forum for individuals who are not theoretical research-oriented statisticians. Non-ASA members who practice statistics will be offered an opportunity to attend and present papers. In general, presented papers will be more expository and applied in nature than papers at the Annual Meeting, with the goal of appealing to a broader spectrum of persons practicing statistics. See the advertisement for more details and where to write for additional information.

* * * * *

If you have an announcement or a job vacancy, let us know by writing: Kelvin Lee, 515 Tiller Lane, Redwood City, CA 94065, by the middle of the month.

1987

WINTER

CONFERENCE

Statistics in the Information Age

ASA WINTER CONFERENCE ■ ORLANDO, FLORIDA ■ JANUARY 7-9, 1987

The first annual ASA Winter Conference will be held January 7-9, 1987, at the Peabody Hotel in Orlando, Florida. The Peabody is a new hotel located in close proximity to the tourist attractions southwest of Orlando.

The theme of the 1987 Winter Conference is "Statistics in the Information Age." Three participating ASA Sections will sponsor sessions: Statistical Computing, Statistical Education, and Statistical Graphics. Papers will be generally more expository and applied in orientation than at the Annual Meetings, with the goal of appealing to a broad spectrum of persons practicing statistics. Some objectives are to provide an opportunity to learn from experts on current topics in statistical computing, education, and graphics; to provide a forum for discussion of topics of general interest in these areas; and to provide a medium for practicing statisticians to relate useful experiences in computing, education, and graphics.

The format of the Winter Conference will be new. Highlights of the program will include featured presentations sponsored by each of the participating Sections. The speakers are William F. Eddy, Carnegie-Mellon University (Computing), Thomas J. Boardman, Colorado State University (Education), and William S. Cleveland, AT&T Bell Labs (Graphics). In addition to sponsoring invited paper sessions, each participating Section will sponsor an invited poster session. Sessions will be scheduled for orally presented contributed papers in the general areas of statistical

computing, education, and graphics. Contributed papers on other topics will be presented in poster sessions.

Some of the topics on the preliminary program are as follows:

- Computer program packages for graphics in statistical education
- Enhancing quantitative literacy
- Practical graphical techniques for design and analysis of experiments
- Graphics for multivariate statistical process control
- Computing methods to enhance graphical analysis
- Graphical methods to enhance computing
- Statistical computing and personal computers
- Graphical methods in regression analysis
- Career planning in statistics
- Getting the statistical message to management

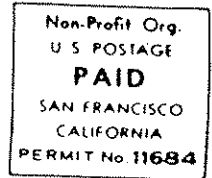
The Program Chair is Ramon Littell, University of Florida. The Section Program Chairs are Ronald Helms, University of North Carolina (Computing); Ronald Randles, University of Florida (Education); and Perry Haaland, Becton Dickinson Research Center (Graphics). The Local Arrangements Chair is Linda Malone, University of Central Florida.

Registration, housing, and employment forms appear in the September-October issue of *Amsstat News*. Nonmembers may request this material by contacting the American Statistical Association, 806 15th St., N.W., Suite 640, Washington, DC 20005; (202) 393-3253.



SAN FRANCISCO BAY AREA CHAPTER
American Statistical Association

515 Tiller Lane
Redwood City CA 94065



For those members who have not paid their Chapter dues, please send \$6 for regular membership or \$1 for student membership to Anna Bagniewska. Ignore this reminder if payment of annual local dues has been made to National ASA. If you know of anyone who may be interested in Chapter membership, please submit the person's name to Anna, or encourage the prospective member to contact Anna.

Anna Bagniewska, Biostatistician, Syntex Labs, 3401 Hillview Avenue L2036, Palo Alto, CA 94304.

Please extend my local chapter membership another twelve months. I enclose a check for \$6.00 (or \$1.00 for student membership) payable to ASA - S.F. Chapter.

Name _____

Address _____

City & State _____

Zip _____

EMPLOYMENT OPPORTUNITIES (CONTINUED):

3. STATISTICIAN, UCSF, Dept of Epidemiology & Internal. Health

RESPONSIBILITIES: Conduct statistical analysis national health surveys using multivariate and weighted analyses with prewritten statistical programs. Adapt or modify computer programs for use in analyzing survey data. Create, document and maintain computer data files. Advise senior staff on data processing options.

REQUIREMENTS: MA or equivalent in Biostatistics. Strong SAS or SPSSX. Experience with survey research and complex sample survey design desirable. Interest and capability to conduct analyses of a large national data set employing a complex sampling design is required.

SEND RESUME: John Neuhaus or Maradee Davis, Dept. of Epidemiology and Intl. Health, UCSF, San Francisco, CA 94143-0560.
Phone (415) 476-2528.

4. BIOANALYST, Syntex, Palo Alto

RESPONSIBILITIES: Analyze data from clinical trials. Understand and interpret statistical analyses, generate summary tables and graphs for presentation.

REQUIREMENTS: MA in Statistics or Biostatistics. Three years experience in data analysis and computer programming. SAS programming and strong microcomputer skills.

SEND RESUME: Carol A. Francisco, 3401 Hillview Avenue, Palo Alto, CA 94304.
Phone (415) 354-7141.

CHAPTER NEWS: Barbara Kamm has been elected District Governor, District 7 for the ASA Council of Chapters. Barbara previously served as the SF Bay chapter representative to the Council of Chapters; she will serve a two year term, 1989-1990, as Council Governor.

CHAPTER DUES: Several members are more than a year behind in local chapter dues. Please check the date on your mailing label. The printed date is the last time that we received your dues. If you are overdue please send \$6 to:

Anna Bagniewska
Syntex Labs
3402 Hillview Avenue A4-200
Palo Alto, CA 94303

ANNOUNCEMENTS:

Stanford Students Invite You to Lunch: Participate in STATS.

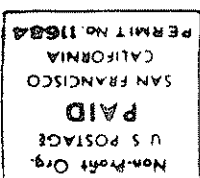
The students at the Statistics Department of Stanford University have a new program "Statisticians Together to Augment Training at Stanford" of STATS. The program consists of a series of informal luncheons with several students meeting a corporate statistician. The purpose of STATS is to supplement the theoretical training that the students receive with a practical sense of how statistics are used in the real world. We basically just want to know what it is that statisticians do for different corporations. We are looking for non academic statisticians to take part in the program. You will be able to choose the time, date, location and number of students that you would like to meet.

CONTACT: Vance Berger, Director STATS, Dept. of Statistics, Sequoia Hall, Stanford, CA 94305. Phone (415)723-2213. or vance@playfair.stanford.edu.

NOTICE MAILED 11/15/88

921 Regal Rd
Berkeley, CA 94708

American Statistical Association
SAN FRANCISCO BAY AREA CHAPTER





American Statistical Association

SAN FRANCISCO BAY AREA CHAPTER

September, 1986

PRESIDENT'S MESSAGE:

As our Chapter begins a new year, I look forward to the challenge of serving the community of statisticians in the San Francisco Bay Area as your new President and I welcome this opportunity to communicate with you. Your Chapter officers have already met once this summer to outline plans for the year ahead plus consider some longer range goals. I am joined by an excellent team of people whom I know are dedicated to making this year outstanding.

Florence van Geem and Abe Silvers, along with Fred Khorasani, representing the ASQC Statistical Task Group, are already involved in arranging the series of regular meetings that the Chapter holds throughout the Bay Area. As well as meetings designed around the specific themes of general applications, biostatistics or quality control, there will be joint meetings including some held in conjunction with other professional associations. I'm sure all three officers would welcome any suggestions you might have concerning format, subject matter or potential speakers.

Kelvin Lee, our Chapter Secretary, is working to reestablish a regular newsletter format that will include specific meeting announcements, job openings and any other pertinent information that should be communicated to our members. His job demands a lot of coordination among not only your officers, but also you as members. If you have news items that could be included, please contact him.

Anna Bagniewska, as Treasurer, will see we remain financially solvent and will be reminding those of you who pay "Local Dues" directly to the Chapter to send her your \$6.00 annual amount.

Barbara Kamm, our Chapter Representative to the Council of Chapters, 1987-88, has already assumed the responsibilities of this office by attending the Annual Meeting in Chicago last month. We expect she will have some feedback for us shortly regarding the current activities of the Council.

Now, for two items of interest to this Chapter this year that are over and above our regular activities. First, and most important, San Francisco is to be host for the "1987 Joint Statistical Meetings", August 17-20. We have been asked to form a Local Arrangements Committee to provide support to the National office primarily in the areas of publicity and general information. At this time I would like to announce that the following Chapter members have agreed to join me on this vital committee: Joe Doyle, Dean Fearn, Arlene Frazier, Karen Jones, Dave Kimble and Al Wiggins. I would also welcome hearing from any other Chapter members who would be interested in joining this group. We will be scheduling a meeting later this year with Jean Smith, Associate Director for Meetings and Publications, to outline our work.

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President's Message (cont.)

The San Joaquin Valley Chapter is planning a one-day meeting for all California ASA Chapters. The meeting will have the theme, "Statistics in California: Education, Applications and New Developments", and is tentatively scheduled for Friday, May 1, 1987 in Fresno. Our Chapter has been invited to participate. I feel this is a very interesting opportunity for us to share in a different activity - I hope to have more information for you next month about the meeting.

I feel we have a very ^cex_xiting and challenging year ahead. My goals are to continue to strengthen the role of this Chapter in the community and serve the needs of all our members. I look forward to hearing from you with any suggestions you might have to help in the activities I have outlined. I hope also to see many of you at our various Chapter meetings this year.

Shigetsugu King

Announcements

The San Francisco Bay Area Chapter of ASA is pleased to learn that one of its members, Professor David Blackwell of the University of California, Berkeley, was awarded the R. A. Fisher Award of the Committee of Presidents of Statistical Societies (COPSS) during the Joint Statistical Meetings in Chicago in August. In addition to an award of \$1,000 and a plaque, the recipient is invited to deliver the Fisher Lecture. Professor Blackwell spoke on "Likelihood and Sufficiency".

Dr. Blackwell has been honored for distinguished contributions to the theory of probability and statistics, providing a rigorous foundation for applications of sequential analysis, statistical decision theory, game theory, dynamic programming, information theory, and Markov chains.

This chapter is proud to send congratulations to Professor Blackwell.

GENERAL APPLICATIONS PROGRAM

SPEAKER: Arlene Frazier
Credit Risk Management
Bank of America

TOPIC: "CREDIT AND BEHAVIOR SCORING"

Arlene Frazier will present an overview of statistical techniques in the area of credit and behavior scoring. Various applications will be discussed.

DATE: September 18, 1986 (Thursday)
11:45 - 1:00 Luncheon
1:00 - 2:00 Presentation

PLACE: World Affairs Center Building
2nd Floor, Room A
312 Sutter Street (near Grant Ave.)
San Francisco, CA

An optional box lunch from Caravansary will be offered at \$6.50 each. Those unable to join us for lunch are welcome to attend the presentation. Please contact Florence van Geem at (415) 271-5987 before Tuesday, September 16 if you are planning to attend the luncheon and/or the presentation.

BIOSTATISTICS PROGRAM

SPEAKER: Professor Alvin D. Wiggins
University of California, Davis

TOPIC: "GENERALIZED RIDGE REGRESSION AND MEAN SQUARE ERROR"

DATE: September 25, 1986 (Thursday)
3:30 - Coffee
4:00 - Presentation

PLACE: Stanford Medical Center, Room X303
3rd Floor

Professor Bill Brown has kindly offered to be the local host. Following the presentation, cocktails will be served at his home. Directions will be provided at the meeting.

If you would like a map to the meeting site, please call Kelvin Lee at (415) 493-5000, ext. 2181.

AMERICAN SOCIETY FOR QUALITY CONTROL (SANTA CLARA SECTION)
AMERICAN STATISTICAL ASSOCIATION (SF, BAY AREA) AND
IEEE (RELIABILITY SECTION)

WELCOME

DR. GEORGE A. MILLIKEN*
CO-AUTHOR OF
"ANALYSIS OF MESSY DATA"

Evening Presentation

"SEQUENTIAL EXPERIMENTATION STRATEGY"

DATE: Monday, October 27, 1986
TIME: Dinner 6:00pm
Presentation 7:00pm

PLACE: ROLM Cafeteria (See map on back)

Sequential experimentation has significant economic advantages over large single experiments. Based on experimenter-selected risks of erroneous conclusions, a strategy for using accumulated data to determine when to stop experimentation is presented. Methods of determining acceptable experimental risks are discussed and several examples are presented.

COST: Free, no reservations required.

WHO SHOULD ATTEND: Engineers, Engineering Managers, Researchers, Statisticians, and others involved with data analysis.

CONTACTS: - Fred Khorasani (Intel), (408) 496-9998
- Florence Van Geem (American Statistical Assn.), (415) 271-5987
- Diane Schreiner (ROLM), (408) 492-4537
- Bob Elo (IEEE, Reliability), (408) 496-4059

*Dr. Milliken has extensive experience in statistical consulting in diverse fields. A partial list of his clients include: Upjohn, Searle, Los Alamos Science Lab, Mobay Chemical, Oak Ridge National, St. Regis, Radarium, CH2M Hill, Great Western Sugar, Kelloggs. He has authored more than 130 technical papers. He is also Professor and Head, Department of Statistics, Kansas State University.

One Day Seminar

"KEYS TO GOOD EXPERIMENTATION"

DATE: Tuesday, October 28, 1986
TIME: 8:30am - 5:30pm
PLACE: SYNTEX (See map on back)

This one day seminar covers the basic, but important aspects of experimentation that are often overlooked, resulting in misleading data and erroneous conclusions. Through several examples and using SAS the seminar covers a simple experiment and model, reasons for randomization and replication, nonreplicated designs, treatment and design structures, the total experimental designs, common treatment structures, repeated measure designs, and choice of sample size.

COST: \$100.00 (includes handouts and lunch), registration is limited.