



The Southern California

# Statistician

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

Volume 35, No.2

March/April 1997

## Careers Day In Statistics April 12th

Sponsored by the Southern California Chapter of the American Statistical Association

Saturday, April 12, 1997  
10:00 a.m. - 3:00 p.m.

Anyone with an interest in statistics is welcome.

Come learn about the many opportunities open to persons with a background in statistics! This is a career fair, not a jobs fair. It provides an opportunity for you to learn about career options. Speakers with extensive experience in academia, government, research institutions, and private industry (aerospace, pharmaceutical, petroleum) will discuss their careers: how they spend their work days, the preparation and experience needed, and the current and future opportunities in their fields. In addition, you will have the opportunity to speak informally with representatives from aerospace, pharmaceutical, insurance, actuarial, health care, computer, government, and academic organizations from throughout Southern California. Tours of the City of Hope will also be available

Luncheon Panel begins at 11:30:

"Life as a Statistician: Now and in the Future"

**Stanley P. Azen, Ph.D.**

Professor, Department of Preventive Medicine,  
University of Southern California

**Arnold Goodman, Ph.D.**

Associate Director, UC Irvine  
Center for Statistical Consulting

**Sally C. Morton, Ph.D.**

Head, Statistics Group, The RAND Corporation

**Kenneth J. Resser, M.S.**

Director of Biostatistics, AMGEN Inc.

**Moderator: Joyce Niland, Ph.D.**

Director of Biostatistics, City of Hope

**Cost for Event: Nothing.** You may purchase a lunch (lasagna, salad, bread, dessert, and beverage) for \$5.00 for students, \$6.50 for all others, if your reservation is post-marked by April 5th. To reserve your lunch, send a check

*continued next page*

## SCASA Sixteenth Annual Workshop in Applied Statistics

The Southern California Chapter of the American Statistical Association presents

The 16th Annual Workshop in Applied Statistics

on

Friday, May 16, 1997 8:30 a.m. - 4:30 p.m.

California State University, Long Beach

Response Surface Methodology  
and Experimental Design

presented by

**Douglas C. Montgomery**

Department of Industrial Engineering  
Arizona State University

Response Surface Methodology, or RSM, is a blend of designed experiments, empirical model-building, and optimization techniques useful in characterizing and optimizing models and processes. This workshop will provide a practically-oriented introduction to RSM and its applications. The workshop is based on the text *Response Surface Methodology: Process and Product Optimization Using Designed Experiments* by R.H. Myers and D.C. Montgomery (Wiley, 1995). After an overview of the fundamentals of RSM, Dr. Montgomery will focus on experimental design techniques, including designs requiring a small number of runs, techniques for comparing designs, and practical aspects of design optimality. The workshop will introduce multiple response optimization methods and robust design in the response surface framework. Worked examples and the use of computer software will be integrated into the presentation.

Dr. Montgomery is the author of several books including *Introduction to Statistical Quality Control* (Wiley, 3rd edition 1996), and *Design and Analysis of Experiments* (Wiley, 4th edition 1997) and numerous articles on statistical methodology.

**Registration:** \$70.00 (regular) \$30.00 (full-time students).  
Registration forms postmarked on or before May 5 may claim a \$5.00 discount

For more information, please contact:

Nancy Berman  
[310] 222-1874  
fax: [310] 533-0627  
nberman@ucla.edu

Connie Vadheim  
[310] 222-3842  
fax: [310] 782-8776  
vadheim@afp76.humc.edu

To register for this event, please use the form on the back of this newsletter (or a copy thereof). ■

## Careers Day *continued*

for the above amount, made out to SCASA (Southern California Chapter of the American Statistical Association), to Ms. Jean Van Engen at the address below. A limited number of lunches will be available for purchase at the door for \$7.00.

City of Hope National Medical Center,  
Platt Conference Center  
1500 East Duarte Road,  
Duarte, Calif. 91010

**Directions:** Take the 210 freeway to Buena Vista, one exit west of the 610 freeway. Go south to Duarte Road and turn left. The main entrance and Platt Conference Center are on the right. There is free parking along Duarte Road or in the lot east of the main gate.

For further information please contact  
Ms. Jean Van Engen:  
by e-mail: [jvanengen@smtplink.coh.org](mailto:jvanengen@smtplink.coh.org);  
or phone: 818-359-8111 x3662;  
or mail: Dept. of Biostatistics,  
City of Hope National Medical Center,  
1500 E. Durate Rd., Duarte, CA 91010.

To register for lunch, please use the form in this newsletter on the opposite page.

SCASA web page: <http://orion.oac.uci.edu/~newcomb/statistics/scasa/scasa.html> ■

## SCASA E-mail Broadcast Service:

If you had your e-mail address listed under the SCASA e-mail nickname, you would have found out about several RAND statistics seminars, such as:

- Edward George, Department of MSIS, University of Texas at Austin, spoke on "Bayesian CART," January 16, 1997.
- William S. Cleveland, Bell Laboratories, Murray Hill, NJ, spoke on "Trellis Display: Modeling Experimental Data," February 5, 1997.
- Terry Therneau, Mayo Clinic, spoke on "Case-cohort Designs for Survival Data; When are they useful, and how do you actually fit them?," February 27, 1997.

If you would like to receive broadcast messages, or if you have seminar announcements or other items of interest to Southern California statisticians, please e-mail Harold Dyck at: [hdyck@wiley.csusb.edu](mailto:hdyck@wiley.csusb.edu) ■

## "Will Work for Registration?"

The Local Arrangements Committee is looking for student volunteers to help out at this year's Joint Statistical Meetings to be held in Anaheim, August 10-14, 1997. In return, the meeting's registration will be waived. Held jointly with the American Statistical Association, The International Biometric Society, the Institute of Mathematical Statistics, and the Statistical Society of Canada, this conference will attract up to 5,000 participants from around the world. Besides all the paper presentations, panel & poster sessions, there is a placement service and loads of networking opportunities. For information on volunteering, contact Jimmy Hwang at (619)-543-8080 ext. 223 or e-mail at: [jyhwang@ucsd.edu](mailto:jyhwang@ucsd.edu). ■

## President's Message--

Dear SCASA Members:

The Fall Kickoff meeting in Pomona, featuring speaker Judith Tanur, was extremely successful. This was followed by local activities such as the dinner meeting at San Diego State with speaker Stan Azen. Because we are such a geographically widespread chapter, we always encourage regional groups to pursue their own local meetings. In addition, you can look forward to some great general activities in the near future. Students seeking a graduate program and statisticians pursuing a career change will benefit from attending our annual Careers Day on Saturday, April 12, hosted by the City of Hope National Medical Center, conveniently located at the juncture of the 210 and 605 freeways. The session is being organized by Jeff Longmate, Anita Iannucci, and Aki Nogawa. In addition to the booths manned by potential employers and graduate schools, there will be a panel highlighting what it's like to be a career statistician today, and into the next century. A buffet lunch and tours of the City of Hope, a successful venue last year, will be available, and the Board will meet for a brief time. Mark your calendars!

The 16th Annual Workshop in Applied Statistics will be held on May 16 at California State University in Long Beach. Nancy Berman and Connie Vadheim are among those who've organized what should be a very interesting program, with Douglas Montgomery of Arizona State University lecturing on response surface methodology and experimental design. This year we will try combining a SCASA meeting immediately following the workshop, to take advantage of the assembled chapter members attending this event—watch for further announcements.

Our biggest challenge this year will be serving as host chapter for the Joint Statistical Meetings (JSM) in Anaheim from August 10-14. A local organizing committee has been formed and is busily planning away—contact the Chair, Jimmy Hwang, if you would like to participate. Jay Devore and Bob Newcomb have organized our chapter's invited session which will kick off the meeting on Sunday, August 10. The topic, Statistical Analysis of Recent U.S. Immigration and Its Effects, is very timely and should draw a lot of conference and media attention. Students can earn free registration for the JSM simply by volunteering to spend a few hours behind the Help Desk, answering visitors questions ranging from session locations to the best local Chinese restaurant. I strongly encourage students to take advantage of this special opportunity.

In closing, I'd like to thank all of this year's Board members for keeping our organization humming along smoothly and successfully over the year. It is a privilege to be working with you!

-Joyce Niland

## EDITOR'S NOTE

Send items for the next issue to:

Harold Dyck Information and Decision Sciences  
California State University, San Bernadino 92407-2397  
Ph. (909) 880-5765 fax (909) 880-5994  
e-mail: [hdyck@wiley.csusb.edu](mailto:hdyck@wiley.csusb.edu)

### Cal Poly San Luis Obispo Visiting Consultant

Ray Crain, a statistical consultant from the San Francisco Bay area, will be visiting the Statistics Department, April 7 and 8 under the auspices of the Section on Physical and Engineering Sciences of the American Statistical Association. He will talk at 11 AM, April 8 on:

**"Technologic, Organizational, and Personal Success Factors in Deploying Statistics in Industry".**

More details can be obtained by contacting Prof. Jay Devore at (805) 756-2026.

### Chapter Officers 1996-1997

**President:** Joyce Niland  
818-359-8111 jniland@smtplink.coh.org

**Pres. Elect:** Arnie Goodman  
714-637-1233 agoodman@juno.com

**V.P. Prof. Affairs:** Jeff Longmate  
818-359-8111 jlongate@smtplink.coh.org

**Co-V.P.'s Academic Affairs:**  
Anita Iannucci & Aki Nogawa  
714-751-5584  
aliannuc@uci.edu annogawa@uci.edu

**Secretary:** Jimmy Hwang  
619-543-8080 jhwang@ucsd.edu

**Treasurer:** Jim Sayre  
310-825-5250 jsayre@mail.rad.ucla.edu

**Council of Chapters Representative:**  
Roxanne Peck  
805-756-2971 rpeck@calpoly.edu

### USC STATISTICS SEMINAR SERIES

*Sponsored by The Center for Applied Mathematical Sciences and The Marshall School of Business*

#### Speaker:

Andrew F. Siegel,  
University of Washington

#### Topic:

The Efficient Use of Conditioning  
Information in Portfolios

#### Time:

Monday, March 24 at 4 pm

#### Place:

HOH 301

#### ABSTRACT

We provide closed-form solutions for unconditional minimum-variance portfolios in the presence of conditioning information. Our solutions attain the smallest unconditional variance, for a given unconditional mean, among all possible dynamically trading portfolios that may use the conditioning information. We provide solutions for  $n$  risky assets, either with or without a riskless asset. We illustrate the properties of the optimal strategies and some applications of the results. One application refines the Hansen-Jagannathan bounds on stochastic discount factors.

*Refreshments will be served at 3:45. Let me know if you are interested in meeting the speaker before the seminar. Copies of the seminar paper are available in my office. For further information, please contact Moshe Fridman at (213) 740-0198.*

### UCR Statistics Department Winter Colloquium

March 11, 1997, Tuesday, 3:45 p.m.  
Statistics/Computer Building room 2678.

**Speaker:** Mahmood Ghamasary,  
Dept. of Statistics, U.C.R.  
Ph.D. Student, Dissertation Seminar.

**"Bayesian Meta-Analysis via  
Gibbs Sampling".**

*Those interested in speaking at future Colloquiums. Please contact Robert J. Beaver at (909) 787-3700.*

### POSITION AVAILABLE

*Assistant Director for  
Clinical Trials Management,  
City of Hope National Medical Center.*

The successful candidate will hold a Ph.D. in Biostatistics, Epidemiology, or a related field, and will provide administrative support to the data management section of the Department of Biostatistics, with 25 staff members. He/she will also conduct study work-ups for some of the more than 200 active trials, and assist in overseeing the 55 members of the Department. Excellent compensation package, with salary commensurate with experience. City of Hope is an equal opportunity employer. Send CV to:

Dr. Joyce Niland,  
Director of Biostatistics,  
City of Hope National Medical Center  
1500 East Duarte Road,  
Duarte, CA 91010

## Careers Day Lunch Reservation Form

Name (as you'd like it on badge) \_\_\_\_\_

Affiliation (as you'd like on badge) \_\_\_\_\_

Lasagna preference (check one)  Meat  Vegetarian

Your lunch reservation must be postmarked by April 5th. Enclose a check made out to SCASA (\$5.00 for full-time students, \$6.50 for all others), and send to:

Ms. Jean Van Engen,  
SCASA Careers Day,  
Dept. of Biostatistics,  
City of Hope National Medical Center,  
1500 E. Duarte Rd., Duarte, CA 91010.

If you require confirmation that your reservation was received, please enclose a self-addressed stamped envelope. Refund requests cannot be honored after April 1st. Enclose a self-addressed stamped envelope with any refund request.

## THE SIXTEENTH ANNUAL WORKSHOP IN APPLIED STATISTICS

Friday, May 16, 1997, 8:30 a.m. - 4:30 p.m.  
At the Pyramid on the campus of California State University, Long Beach

### REGISTRATION FORM

Name \_\_\_\_\_ Telephone \_\_\_\_\_

Mailing Address \_\_\_\_\_

Professional Affiliation \_\_\_\_\_

**Registration Fee**

Postmarked on or before May 5: Regular @ \$65 \_\_\_\_\_ Student @ \$25 \_\_\_\_\_

Postmarked *after* May 5 (or paid at the Workshop): Regular \$70 \_\_\_\_\_ Student @ \$30 \_\_\_\_\_

Receipt for Registration Fee Requested? \_\_\_\_\_

Lunch is included when your registration fee is postmarked on or before May 5

Vegetarian Lunch Requested? \_\_\_\_\_

Please make your check payable to Workshop in Applied Statistics; return it and this form to  
 Roberta E. Madison  
 6200 C Tapia Drive  
 Malibu, CA 90265

*Enclose a self-addressed business envelope to expedite our return of your registration confirmation.*

Have you paid your chapter dues? Please check the mailing label. If you are in arrears, contact the Chapter Treasurer at (310) 825-5250. If you have a change of address, notify the Chapter Secretary, Jimmy Hwang at (619) 543-8080 ext 223.



*The Southern California*  
**Statistician**

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

American Statistical Association, Southern California Chapter  
 c/o Jimmy V. Hwang, University of California, San Diego  
 2760 5th Avenue, Suite 300, San Diego, CA 92103

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# The Southern California Statistician

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

Volume 36, No.1

October/November 1997

## Carl Morris To Speak At Annual Kickoff Nov. 1

Carl Morris, Chairman, Department of Statistics, Harvard University, will be the featured speaker at this year's annual Fall Kickoff meeting.

**Date:**

Saturday, November 1, 1997

**Place:**

Seaver North Auditorium,  
645 N. College Ave., Claremont

**Lunch:**

\$15 members \$10 students  
Please note any special dietary needs.

**SCHEDULE:**

9:30-10:30 am Registration  
(at Seaver North Auditorium)  
10:30-12:00 Morning Session  
12:15-1:15 Lunch  
1:30-3:00 Afternoon Session  
3:00 Reception,  
Millikan Lab #213

**Talk #1  
(Morning):**

**Tentative Title:**

Making Comparisons: Identifying  
Good and Bad Hospitals?

**Abstract:**

When comparing hospitals, how do we best account for their different sizes and for the different severities of their patients? How might standards of acceptable performance be set, and how should these standards be used in making comparisons? We discuss these and especially the use of hierarchical statistical models when "performance profiles" must be estimated for medical units.

**Talk #2**

(Saturday afternoon):

**Tentative Title**

Do baseball managers  
use statistics properly?

**Abstract:**

Drawing from careful statistical and probabilistic analyses of baseball, one wonders if managers overuse certain statistical facts. They may do the following too often. 1) Pinch hit a left-handed batter in place of a right-handed batter against a right-handed pitcher (.025 being the average left/right difference), even when the left-handed batter has a much lower batting average. 2) Do this in reverse, when bringing in a bullpen pitcher to face a particular batter. 3) Limit the use of their best pitcher, the team's "closer", to "save situations", thereby getting only 50-60 innings from him per year, and often not even for the most important innings. 4) Have a good hitter (attempt to) sacrifice too often, a tactic that typically reduces the chance of scoring even one run. 5) Rely too heavily on small-sample statistics.

Anyone who wishes to attend should email Kathy Sheldon, Pomona College [ksheldon@pomona.edu](mailto:ksheldon@pomona.edu) or fill out the registration form on the back of this mailing. Reservations should be received by **Wed. Oct. 29.**

Kathy Sheldon  
Mathematics Department  
Pomona College  
610 N. College Ave.  
Claremont, CA 91711-6348  
909-621-8409 (Phone)  
909-607-1247 (Fax)

**Biographical Notes**

A native Californian, Carl Morris received his BS from Cal Tech and PhD from Stanford Dept of Statistics, and worked at Rand Corp 1967-78. He then went to UTexas, Austin until 1990, and has since been at Harvard. He is now Prof/Chair of the Dept of Statistics. Prof. Morris served as Executive Editor of Statistical Science, 1989-92 and Theory and Methods Editor of JASA 1983-1985.

He writes:

—My main research area has been Empirical Bayes, writing a series of early papers on the topic with Brad Efron on the topic, and then a paper "Parametric Empirical Bayes". Since then, the hierarchical modeling perspective has seemed to be a better term for the same set of ideas. My latest paper on the topic appears in the June 1997 issue of JASA, with C. L. Christiansen, also of Harvard. However, I've also loved working on Natural Exponential Families with Quadratic Variance Functions, which, this August, was recognized in the Springer volume "Breakthroughs in Statistics, III" by reprinting my 1982 on the topic.

An early love of sports statistics probably got me into this field, and using statistical theory to understand the structure of sports continues to provide much pleasure. That has included the statistics of tennis, which is also my favorite sport.—

Directions to Pomona College follow on the next page

Continued on next page

*Continued from Page 1***Directions to Pomona College:**

Major highway routes to Pomona College are Freeway I-10 (the San Bernardino), Freeway 57 (the Orange), Freeway U.S. 60 (the Pomona), and Freeway I-210 (the Foothill).

To reach Claremont from any area, take the I-10 to Indian Hill Boulevard (exit 47), and drive north. It is one mile to First Street in the village. Turn right three blocks to College Ave. Left to 7th St. Seaver Auditorium is at the SW corner of 7th and College. To reach I-10 from Orange County and the south, take 57 or from Long Beach take I-605. From the west and southwest Los Angeles, take US 60 to 57 and 57 to I-10.

From Pasadena and the San Fernando Valley, take I-210 east until it terminates at Foothill Blvd. Drive three miles further and turn right on College Ave.

**POSITION AVAILABLE**

Openings to develop algorithms, system models, and simulators, and to perform analysis studies related to new and existing remote sensing systems. Requires a BS, MS and/or PhD in Mathematics or Statistics, 1-10 years of related experience, and a working knowledge of C/C or Ada.

Send resume and cover letter to:

Gerald E. Abrahams,  
Manager Dept. 8321, B1/2  
Gencorp Aerojet  
P.O. Box 296  
1100 W. Hollyvale St.  
Azusa, CA 91702

**A Message from the President...**

As my year as President of the Southern California Chapter of the American Statistical Association (SCASA) is winding to a close, it's amazing to reflect on how quickly it has flown (clearly a sign of advancing age as well as a great time!). It has been an honor to work with the entire SCASA board over this past year. The Joint Statistical Meetings (JSM) in Anaheim this summer were a great success, with our Secretary Jimmy Hwang chairing the dedicated Local Organizing Committee. Our SCASA session on Immigration Statistics, organized by Jay Devore and Bob Newcomb, was extremely enlightening. The SCASA reception following the session was great fun, including the piano entertainment by Stan Azen. We should make this an annual tradition!

Mark your calendars for this fall's kickoff event, on Saturday November 1. Dr. Carl Morris will speak on "Identifying Good and Bad Hospitals?" and "Do baseball managers use statistics properly?", and our host will once again be Pomona Prof Don Bentley. At that time I will hand over the gavel to our President Elect, Arnie Goodman. With Arnie at the helm you can look forward to an

exciting and fulfilling year of programs.

Because we are the geographically largest chapter, spanning from San Luis Obispo to San Diego, we continue to encourage local groups to hold their own special events in addition to the general SCASA events and meetings. And we are always looking for new talent to join the SCASA board, so contact Arnie if you would like to become part of this illustrious group!

Many thanks to all the board members over the past year, and special thanks go to Harold Dyck and Rita Petersen for diligently producing our local newsletter. Look forward to seeing you at the Fall Kickoff in November!

— Joyce Niland, President

**EDITOR'S NOTE**

Send items for the next issue to:  
Harold Dyck  
Information and Decision Sciences  
CSU San Bernardino  
San Bernardino 92407-2397  
Phone: (909) 880-5765  
e-mail: hdyck@wiley.csusb.edu  
fax: (909) 880-5994

**SHORT COURSE ANNOUNCEMENT:**

**Process Monitoring And  
Identification Of Dynamic  
Systems Using  
Statistical Techniques**

**Instructors:**

Wallace E. Larimore; Adaptics, Inc,  
and

Dale E. Seborg; University of  
California, Santa Barbara

**Date:**

Friday, November 21, 1997  
(during AIChE  
Annual Meeting week)  
8:30 AM - 5:30 PM

**Location:**

Sheraton Grand Hotel, Los Angeles

**Brief Course Description:**

In this short course, the traditional methods of process monitoring and statistical quality control will be reviewed, and several advanced methods for handling process dynamics and auto correlated errors based on multivariate statistics and time series analysis will be critically evaluated. Numerous simulation and experimental examples are presented to illustrate key issues and to provide comparisons.

**Course Fee and Deadlines:** The registration fee is \$300 for reservations received before October 20, 1997 and \$375 for reservations received after October 20. University students may register for \$150.

For More Information:  
Contact either:

Dr. Larimore  
(larimore@adaptics.com)  
TEL: 703 532-0062,  
FAX: 703 536-3319) or  
Professor Seborg  
(seborg@engineering.ucsb.edu)  
Web Site:  
<http://www.adaptics.com>

### Some news from UCSB (via David Hinkley):

New faculty this year are Dr Yuedong Wang (Asst Prof from Michigan) and Dr Ta-Hsin Li (Assoc Prof from Texas A&M, starting in January). Dr Wang's expertise includes Smoothing Spline Models and Their Applications, which will be the subject of his graduate seminar in Fall Quarter. Dr Li's expertise includes Time Series Models, Image Reconstruction, and Signal Processing.

Visiting Faculty in 1997-98 are: Kaushik Ghosh (UCSB), Trygve Nilsen (Norway), Vyngantas Paulauskas (Lithuania), Wolfgang Polasek (Switzerland), Curtis Tatsuoka (ETS), Mangalam Vasudaven (Australia).

### UPCOMING RAND STATISTICS SEMINAR SERIES

Sponsored by the Statistics Group

NOVEMBER 1997

D.V. Hinkley  
University of California, Santa Barbara

For further information, please contact  
Tom Lucas at (310) 393-0411 (x7140).

## YOUR DESIRES ARE IMPORTANT TO THE CHAPTER

Please take a moment to answer the following questions and respond by October 15th.

1. What services would you like the chapter to provide for you?

2. What services would you like to provide for the chapter?

3. SCASA has: Fall Kick-Off, Careers Day, and Applied Statistics Workshop.

Would you like the chapter to have more events? Yes No  
If yes, how often? Monthly Quarterly Annually  
If yes, when? Evening Saturday Sunday

Which locations would you prefer for these events  
(please circle all that apply)

UCSB / CSUN / UCLA / USC / CSULA / CSULB /  
UCI / UCR / UCSD / Amgen / City of Hope /  
Rand Corporation / Other / Restaurant  
Specify:

Which of the following events are of interest to you?

Discussion groups      Chapter Local  
 Reading groups      Chapter Local  
 Seminar series      Chapter Local  
 Learning groups      Chapter Local  
 School projects      Chapter Local  
 Other projects:

4. Which of the following workshops interest you?

Effective Communication  
 Management Trends  
 Statistical Trends  
 Problem Solving  
 Career Guidance  
 Consulting Skills  
 Other:

5. For the Applied Statistics Workshop:

How many have you attended in the last 5 years? \_\_\_\_\_  
What speaker/topic would you like at this year's Workshop? \_\_\_\_\_

6. Is there anything else you would like to add?

If you would like to be contacted regarding this survey, please provide us the following:

Your name: \_\_\_\_\_  
Email/Telephone: \_\_\_\_\_

RESPOND BY 10/15/97 to

stats@uci.edu, OR FAX (714) 824-1683,

OR use

<http://www.uci/~mnewcomb/statistics/scasa/scasa.html>,

OR send to:

A. Iannucci, 1101 W. Stevens, Santa Ana 92707  
(receipt by 10/15/97)

## Registration Form for SCASA Annual Fall "Kickoff" Meeting, November 1, 1997

Name: \_\_\_\_\_ Business Phone ( ) \_\_\_\_\_

Number of Attendees: \_\_\_\_\_ SCASA Members (\$15.00) \_\_\_\_\_ Students(\$10.00) \_\_\_\_\_  
(Please note any special dietary needs)

Please return this form (or a copy thereof), together with your check made payable to SCASA and mail to:

Kathy Sheldon  
Department of Mathematics  
Pomona College  
610 N. College Ave  
Claremont, CA 91711-6348

**Reservations should be received by Wednesday October 29**

Please verify the date on the mailing label to ensure that you are up to date with your Chapter dues. If not, please contact the Chapter treasurer, Jim Sayre at (310) 825-5250. Also, if you have a change of address, or if you have had any difficulties receiving the newsletter, you may notify the Chapter Secretary, Jimmy Wang at (619) 543-8080 ext.223 or e-mail: [jjhwang@ucsd.edu](mailto:jjhwang@ucsd.edu).



The Southern California

# Statistician

SOUTHERN CALIFORNIA CHAPTER, AMERICAN STATISTICAL ASSOCIATION

c/o Jimmy Hwang  
Medicine and Pathology  
University of California, San Diego, Mail Code:8208  
9500 Gilman Drive, La Jolla, CA 92093