



# The Southern California STATISTICIAN

✱ Meeting Memo and Newsletter ✱

Vol 15 No 1

Southern California Chapter American Statistical Assn

Jan 1978

## CARL MORRIS TO SPEAK AT JANUARY 26 MEETING

Dr. Carl Morris of The Rand Corporation in Santa Monica will speak at the January 26 chapter meeting on "Estimating Many Parameters: The James-Stein Rule and its Generalizations."

Dr. Morris received his B.S. degree in Aeronautical Engineering from California Institute of Technology in 1960. He received his M.S. and Ph.D. degrees in Statistics from Stanford University in 1964 and 1966, respectively.

Dr. Morris is Senior Statistician at The Rand Corporation where he has worked since 1967. He was away for the period January to June 1970 when he was a Visiting Lecturer in the Department of Statistics at Harvard University. He has taught a "Statistics and Data Analysis with Computer Applications" course since January 1971 as a member of the Rand Graduate Institute for Policy Studies. He spent the summer quarter of 1975 at Stanford University as Distinguished Visitor in Statistics teaching "Topics in Multivariate Analysis."

At Rand he is working on the statistical design and analysis of the Health Insurance Study. His other research interests have been multi-parameter estimation and empirical Bayes methods, experimental design, multivariate data analysis, and social experimentation.

(continued on Page 2)

## JANUARY MEETING ANNOUNCEMENT

WHEN: Thursday, January 26, 1978

6:00 P.M. - Cocktails  
7:00 P.M. - Dinner  
8:00 P.M. - Speaker

WHERE: Rodger Young Center  
936 W. Washington Blvd.  
Los Angeles, California

PRICE: \$7.00  
\$5.00 for full-time students

MENU: Barbecued Chicken with  
Chestnut/Apple/Rice Dressing

FOR RESERVATIONS, contact

Dennis Aaron  
(213) 451-7354  
Reservations should be made  
by Tuesday, January 24.

## COMING CHAPTER EVENTS

Feb. 15 - Special Chapter Meeting in San Diego. Dr. Albert Romano of San Diego State University will speak on Weibull Distributions. See Page 3 for further information.

~~Feb. 23~~ - Career Day. Working statisticians will host students for the morning or afternoon. Regular Chapter Meeting in the evening at Rodger Young Center.

MAR 2  
Mar. 23 - Regular Chapter Meeting to be held at UCLA.

CARL MORRIS TO SPEAK  
(Continued from Page 1)

Prior to coming to Rand he was Assistant Professor of Statistics, University of California at Santa Cruz (1965-1967); and Research Associate at Stanford University, Department of Statistics (summers 1966 and 1967).

Between 1964-1966 he was Statistical Consultant for the Stanford Department of Education and the Palo Alto Hospital. During the summers of 1961, 1962, and 1963 he did work in reliability and operations research at General Dynamics/Astronautics, San Diego (1961); IBM, Poughkeepsie, New York (1962); Lockheed Aircraft, Sunnyvale, California (1963).

Dr. Morris was Associate Editor, Journal of the American Statistical Association, Theory and Methods Section, 1970-1972. He is a member of the Institute of Mathematical Statistics and the American Statistical Association. He is currently coediting the book, "Experimentation in Econometrics" (J.A.I. Press, to appear in 1978).

The following is an abstract of his talk:

The James-Stein estimator for simultaneously estimating at least three population means from normally distributed data is uniformly better for this purpose than are the sample means. Stein's estimator will be derived as an "empirical Bayes estimator" assuming normally distributed prior information. The talk will illustrate the method and its applications. Then the assumptions will be relaxed. The assumption of normality will be shown to be somewhat unimportant, and estimators as simple as that of James-Stein will be derived for the Poisson, Gamma (including chi-square and exponential), binomial, and negative binomial (including geometric) distributions. The intriguing case of unequal variances, not covered by Stein's method, also will be discussed.

CAREER DAY

On February 23, 1978, the Southern California Chapter of the American Statistical Association will sponsor its annual Career Day. All chapter members are urged to participate by inviting interested students to visit them at work in the morning or afternoon. Please cooperate by opening your office or laboratory to one or more students and giving them a first-hand look at what statisticians do on the job.

If you are interested in hosting students on Career Day, please contact

Edward Forgy  
(213) 478-8175 (office)  
(213) 820-4559 (home),

indicating your name, employer, and location of employment.

NOMINATION OF CHAPTER OFFICERS

Nominations are being solicited for the following Chapter positions: President Elect, Vice President for Professional Affairs, Vice President for Academic Affairs, Secretary, and Treasurer. If you would like to nominate a fellow Chapter member or are interested in running for office yourself, please contact:

Dennis Aaron  
3525 Rosewood  
Los Angeles, CA 90066  
(213) 451-7354 (day)

PROGRAM SUGGESTIONS NEEDED

Do you have a speaker in mind for one of this year's chapter meetings? If so, please contact

Reynaldo Navarre  
(213) 741-4646

**STUDENT PAPER PRIZE COMPETITION**

The Southern California Chapter of the American Statistical Association announces its annual student paper prize competition. There will be two classes of competition: undergraduate and graduate. Papers may address either theoretical development or practical applications of statistics.

Theoretical papers may focus on the development of new statistical techniques or on laying additional theoretical groundwork for techniques already developed. Papers on practical applications may present innovative uses of statistical techniques or may analyze the use or misuse of common methodology.

Judgments will be based on soundness of reasoning, organization of thought, and insight into implications. The author of the winning paper in each competition will be awarded a cash prize of one hundred dollars.

Papers should be submitted no later than May 12, 1978 to

Thomas Wedel  
School of Business  
California State University  
Northridge, CA 91324

(213) 885-2407  
(213) 885-2470 (sec'y)

**MARK YOUR CALENDAR**

Mark your calendar now with the dates of this year's chapter meetings:

January 26  
February 23 (Career Day)  
March 23  
April 27 (Joint meeting with  
The Institute of  
Management Science)  
May 25  
June 22

**SPECIAL MEETING IN SAN DIEGO**

There will be a special meeting of the Southern California Chapter in San Diego on February 15, 1978. The meeting will be held at the Town and Country Convention Center, 500 Hotel Circle, San Diego, beginning at 6:30 P.M. Dr. Albert Romano of San Diego State University will speak on "The Application of the Weibull Distribution to Semiconductor Reliability Studies: The Old Days."

An abstract of Dr. Romano's talk will appear in next month's newsletter. For more information, contact:

Dr. Leonard P. Kroeker  
(714) 225-2176

**STATISTICIAN NEWSLETTER**

Anyone interested in submitting news or information for the newsletter may do so by sending a copy to:

Cindy Franklin  
16 Sanderling  
Irvine, CA 92714

or by phoning her at

(714) 833-5379 (office)  
(714) 552-3782 (home).

**1978 ANNUAL MEETING IN SAN DIEGO**

Remember that the Joint Statistical Societies will hold their annual meeting in San Diego this year during the week of August 14-17. A list of members of the Local Arrangements Committee for the meeting appeared in the December issue of this newsletter.



# The Southern California STATISTICIAN

✱ Meeting Memo and Newsletter ✱

Vol 15 No 2

Southern California Chapter American Statistical Assn

February 1978

## FRED C. LEONE TO SPEAK AT CAREER DAY MEETING



DR. FRED C. LEONE

Dr. Fred C. Leone, Executive Director of the American Statistical Association in Washington, D.C., will speak at the March 2 chapter meeting on "Careers in Statistics: the Picture, the Future and the Role of the Association."

Dr. Leone received his Ph.D. in Mathematical Statistics from Purdue University in 1949. From 1949 to 1966 he worked at Case Institute of Technology, first as Instructor and then as Professor. From 1951 to 1963 he was Director of the Statistical Laboratory at Case, and from 1963 to 1965 he was Acting Head of the Department of Mathematics there. In 1966, he joined the Department of Statistics and the Department of Industrial and Management Engineering at the University of Iowa, where he worked as Professor until 1973. Since 1973 he has been Executive Director of the American Statistical Association in Washington, D.C.

Dr. Leone has done consulting for numerous industrial firms, including Goodyear Tire and Rubber Company in Akron, Ohio, Ohio Bell in Cleveland, Ohio, and Monroe Calculator Company in Orange, N.J. He is a Fellow of the American Association for the Advancement of Science, the American Statistical Association, and the

(Continued on Page 2)

### CAREER DAY MEETING ANNOUNCEMENT

WHEN: Thursday, March 2, 1978

6:00 P.M. - Cocktails

7:00 P.M. - Dinner

8:00 P.M. - Speaker

WHERE: Rodger Young Center  
936 W. Washington Blvd.  
Los Angeles, California

PRICE: \$7.00  
\$4.00 for full-time students

MENU: Barbecued Chicken with Chestnut/  
Apple/Rice Dressing

FOR RESERVATIONS, contact

Dennis Aaron  
(213) 451-7354

Reservations should be received by  
Tuesday, February 28.

### COMING CHAPTER EVENTS

Feb. 15 - Chapter Meeting in San Diego. See Page 2 for details.

Mar. 2 - Career Day. Working statisticians will host students for the morning or afternoon. Note that the scheduled date for this event has been changed from February 23 in order to accommodate the evening speaker. See Page 3 for further information.

(Continued on Page 2)

## ALBERT ROMANO TO SPEAK IN SAN DIEGO

Dr. Albert Romano, Associate Professor of Mathematics at San Diego State University, will speak at the February 15 San Diego chapter meeting on "The Application of the Weibull Distribution to Semiconductor Reliability Studies: The Old Days."

Dr. Romano will describe the structure of the Weibull distribution, how it can be used as a model to describe increasing, decreasing or constant failure rate patterns, what led him to use it in 1960, and a least squares procedure he has used to estimate the parameters of the Weibull distribution.

Before coming to San Diego State, Dr. Romano was consultant and staff statistician to Motorola Semiconductor Products Division from 1959 to 1962, and a post-doctoral fellow with the statistics laboratory at the National Bureau of Standards in Washington, D.C. from 1962 to 1963. He has written a text, Applied Statistics for Science and Industry, published in 1977 by Allyn and Bacon.

## SAN DIEGO MEETING ANNOUNCEMENT

WHEN: Wednesday, February 15, 1978  
 5:30 P.M. - No Host Cocktails in V.I.P. Lounge  
 6:30 P.M. - Dinner in Esquire Room  
 8:00 P.M. - Program

WHERE: Town and Country Convention Center  
 500 Hotel Circle  
 San Diego, California

PRICE: \$6.50  
 \$3.50 for full-time students

MENU: Roasted California Tom Turkey

FOR RESERVATIONS, contact

Eugene Sibbald  
 (714) 293-8325 (days)  
 (714) 263-3216 (evenings)

Reservations should be made by  
 10:00 A.M. on Monday, February 13.

FRED C. LEONE TO SPEAK  
 (Continued from Page 1)

American Society for Quality Control. He has published numerous articles in the Annals of Mathematical Statistics, the Bulletin of the International Statistical Institute, and the Journal of the American Statistical Association, as well as in other technical and engineering journals.

At the March 2 meeting, Dr. Leone will discuss a general overview of the opportunities that exist in career areas of statistics, as well as some of the interesting problems that are now being confronted by statistical methodology. His talk will focus on the academic, industrial, and governmental spheres. He will also acquaint the audience with some of the exciting programs in which ASA is participating.

COMING CHAPTER EVENTS  
 (Continued from Page 1)

- Mar. 23 - Regular Chapter Meeting to be held at UCLA Faculty Center. Professor Byron (Bill) Brown of the Division of Biostatistics at Stanford School of Medicine will discuss the analysis of surgical death rate differences among several hospitals.
- Apr. 27 - Joint Chapter Meeting with the Institute of Management Science.
- May 25 - Regular Chapter Meeting
- June 22 - Regular Chapter Meeting

## CAREER DAY

cheduled date for the Southern California ASA's annual Career Day has been changed from February 23 to March 2, 1978, in order to accomodate the speaker at the chapter meeting in the evening.

All chapter members are urged to participate in Career Day by inviting interested students to visit them at work in the morning or afternoon. Please cooperate by opening your office or laboratory to one or more students and giving them a first-hand look at what statisticians do on the job.

If you are interested in hosting students on Career Day, please contact

Edward Forgy  
1081 Westwood Blvd., #217  
Los Angeles, CA 90024  
(213) 478-8175,

indicating your name, employer, and location of employment.

Students who are interested in visiting a statistician on Career Day should contact

Thomas Wedel  
School of Business  
California State University  
Northridge, CA 91324  
(213) 885-2407  
(213) 885-2470 (sec'y)

## ORSA-TIMS NATIONAL MEETING

The ORSA-TIMS National Meeting will be held at the Los Angeles Bonaventure Hotel November 13-15, 1978. Further information concerning the meeting can be obtained from

Richard Trueman  
(213) 885-2411.

## STATISTICAL SOCIETIES TO MEET

Remember that the Joint Statistical Societies will hold their annual meeting in San Diego this year during the week of August 14-17. A list of members of the Local Arrangements Committee for the meeting appeared in the December issue of this newsletter.

USC SEMINARS  
IN BIOMETRY AND EPIDEMIOLOGY

The Biometry Division of the USC School of Medicine holds seminars in biometry and epidemiology on the first and third Thursday of every month at 12:30 P.M. in the Doheny Eye Institute auditorium, USC Medical Campus. Anyone interested is welcome to attend. The schedule of topics for February and March is as follows:

- Feb. 16 - D. Katz, S. Azen, and M.C. Pike - Obtaining Confidence Intervals for the Relative Risk in Cohort Studies
- Mar. 2 - J. Anderson and H. Sather - Prognostic Factors in Childhood Acute Lymphocytic Leukemia
- Mar. 16 - G. Gray - Diet and Breast Cancer Risk Factors

The Doheny Building is on San Pablo Street, one block north of Zonal Avenue.

## NOMINATION OF CHAPTER OFFICERS

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Dennis Aaron  
3525 Rosewood  
Los Angeles, CA 90066  
(213) 451-7354 (days)

## PROGRAM SUGGESTIONS NEEDED

If you have a speaker in mind for one of this year's chapter meetings, please contact

Reynaldo Navarre  
(213) 741-4646

## STUDENT PAPER PRIZE COMPETITION

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(213) 885-2470 (sec'y)

## STATISTICIAN NEWSLETTER

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Cindy Franklin  
16 Sanderling  
Irvine, CA 92714

or by phoning her at

(714) 833-5379 (office)  
(714) 552-3782 (home)

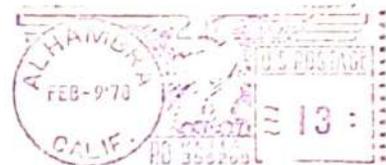
## MESSAGE FROM THE CHAPTER PRESIDENT

It is my hope that the February 15 chapter meeting in San Diego marks the beginning of a sequence of such events. The planning and arrangements for this meeting came from a small group of San Diego members. It now depends upon other statisticians and students of statistics in the San Diego area to join in making this event the success that it can be. I therefore encourage each chapter member who lives in the San Diego area to attend the meeting and to urge others to do the same. I plan to attend, and I look forward to a successful and interesting evening.

SOUTHERN CALIFORNIA CHAPTER

# American Statistical Association

626 NORTH GARFIELD AVENUE  
ALHAMBRA, CALIF. 91802



ASA 6-77  
Dr. Robert L. Newcomb  
School of Social Sciences  
University of California  
Irvine, CA 92717

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# The Southern California STATISTICIAN

✧ Meeting Memo and Newsletter ✧

Vol 15 No 3

Southern California Chapter American Statistical Assn

March 1978

## BILL BROWN TO SPEAK AT MARCH CHAPTER MEETING



BYRON WILLIAM BROWN

Professor Byron William Brown, Jr. of Stanford University will speak at the March 23 chapter meeting on "Comparison of Hospitals with Regard to the Outcomes of Surgery - The Stanford Studies."

Professor Brown received his B.A. in Mathematics, his M.A. in Statistics, and his Ph.D. in Biostatistics from the University of Minnesota in 1952, 1955, and 1959, respectively. From 1959 to 1968 he was a Professor in the Biometry Division at the University of Minnesota, and was Head of the Biometry Division and Director of Graduate Study in Biometry there from 1965 to 1968. Since 1968 he has been a Professor and Head of the Division of Biostatistics at Stanford University, where he was also Acting Chairman of the Department of Family, Community and Preventive Medicine for the year 1975-76.

Professor Brown is a Fellow of the American Statistical Association and of the American Heart Association and is listed in Who's Who America. He was Chairman of the Biometrics Section of ASA in 1972. From 1963 to 1974 he was a Consultant to the National Academy of Science concerning variation in surgical death

(Continued on Page 2)

### MARCH 23 MEETING ANNOUNCEMENT

WHEN: Thursday, March 23, 1978

6:00 P.M. - Cocktails  
(No-Host Bar)

7:00 P.M. - Dinner

8:00 P.M. - Speaker

WHERE: UCLA Faculty Center  
Sequoia Room #1  
480 Circle Drive  
Westwood, California  
(213) 825-0877

PRICE: \$7.50  
\$5.00 for full-time students

MENU: Filet Mignon Dinner with  
Salad and Dessert

DIRECTIONS to Faculty Center:

Faculty Center is located on the NW corner of Hilgard and Westholme. Approaching UCLA from Westwood Village on Westwood Boulevard, turn right on Le Conte, then left on Hilgard to Westholme. Parking is available in Parking Structure #2 for a charge of \$1.00.

FOR RESERVATIONS, contact:

Dennis Aaron  
(213) 451-7354

Reservations should be made  
NO LATER THAN TUESDAY, MARCH 21.

BILL BROWN TO SPEAK  
(Continued from Page 1)

rates. Since 1975 he has been Associate Director of the Stanford Center for Health Care Research.

Professor Brown's list of professional publications is impressive. He contributed a chapter entitled "Statistics, Scientific Method and Smoking" to the Holden-Day book Statistics: A Guide to the Unknown edited by Judith M. Tanur (1972). He co-authored with Myles Hollander the book Statistics: A Biomedical Introduction published by John Wiley & Sons in 1977. He has published numerous articles in statistical and medical journals. One article of particular interest to those attending his talk this month is "Comparisón of Hospitals with Regard to Surgical Outcomes" written jointly with W. H. Forrest, Jr. and published in Health Services Research 11 (2), pp 112-127, 1976.

The following is an abstract of Professor Brown's talk:

A group of investigators at Stanford - anesthesiologists, sociologists, surgeons, biostatisticians, and others - have been working for some years on a question first posed by Mosteller and Moses, based on results of the National Halothane Study. Do hospitals differ markedly in the quality of surgical outcomes they achieve, beyond the differences one might expect due to the types of surgery they perform and the types of patients they serve? If so, what is it about the hospital that causes some hospitals to be better places to have surgery - skills of the surgeons, backup facilities such as blood banks, more effective team management? Dr. Brown will report on the Stanford Studies of these questions.

## COMING CHAPTER EVENTS

Apr. 27 - Joint Chapter Meeting with The Institute of Management Science (TIMS) at Rodger Young Center. Professor Raymond Jessen of the UCLA School of Management will speak on Sampling.

May 25 - Regular Chapter Meeting.

June 22 - Regular Chapter Meeting.

## SPECIAL CHAPTER MEETING IN SAN DIEGO

Dr. Robert Riffenburgh of the Naval Ocean Systems Center in San Diego will speak at a special chapter meeting in San Diego sometime in April. The date and location of the dinner meeting have not yet been determined. Further details will be announced in next month's Newsletter. For more information in the meantime, contact:

Mr. Eugene W. Sibbald  
San Diego City Schools  
San Diego, CA 92103  
(714) 293-8325

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(213) 885-2470 (sec'y)

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(213) 741-4646

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Richard Trueman  
(213) 885-2411



# The Southern California STATISTICIAN

✧ Meeting Memo and Newsletter ✧

Vol 15 No 4

Southern California Chapter, American Statistical Association

April 1978

## SAN DIEGO MEETING

A joint meeting is planned for Thursday, April 20 with the Quantitative Methods Seminar Group. The speaker for this meeting will be Dr. Robert H. Riffenburgh who is a statistician with the Naval Ocean Systems Center in San Diego. Dr. Riffenburgh will present a talk entitled The Statistician: Science Detective which is described as follows:

*In a Whodunnit style, mysteries (professional problems seeming to offer no or else conflicting solutions) are posed, data obtained are described, the evidence is refined (statistical analysis) from the data, and the culprits are identified. Included cases are: The Case of the Fatal X-ray, The Case of the Lying Patient and others. The ambitious title is probably not justified by this talk. These experiences are likely similar to those met by most statisticians. It is being developed for use with the general public to enhance the image of statisticians, which has come to be of concern within the profession. At least it will be easy to understand even after a tiring work day and full dinner.*

Dr. Riffenburgh is the General Chairman of the Local Arrangements Committee for the Joint Statistical Societies' 1978 Annual Meeting being held in San Diego during the week of August 14-17. He is a past national officer of both the American Statistical Association and the Biometric Society and he is a past-president and fellow of the Biomedical Society. In the course of his career he has held positions with government agencies and in higher education. He has produced over 60 professional papers in a wide variety of disciplines, and has served as a consultant in industry, government and to medical schools.

**MEETING LOCATION:** The Lancer's Courtroom, at  
The King's Inn  
1333 Hotel Circle South, San Diego

**SCHEDULE:** 6:00 p.m. Cocktails (no-host)  
6:30 p.m. Dinner  
8:00 p.m. Program

**MENU:** Roast round of Beef, Au Jus; Baked Potato and Vegetable, Green Salad, Dessert, & Beverage.

**PRICE:** \$6.50 for members; \$3.50 for students

**RESERVATIONS:** Confirm reservations by noon April 17 by calling John Killmer (714) 232-4252 xl740 days, or (714) 234-0057 evenings.

## LOS ANGELES MEETING

A joint meeting is planned for Thursday, April 27 with the Institute of Management Science (TIMS). The speaker for this meeting will be Professor Raymond J. Jessen who is a Professor of Business Statistics and a Lecturer in Biostatistics at the University of California, Los Angeles. His talk is entitled Lattice Sampling and it is described in the following abstract:

*The term Lattice Sampling will be used to designate those schemes of sampling where stratification is imposed beyond the conventional limits yet retaining many desirable statistical properties. Methods for selection both for the simpler equal cell size cases as well as the more complex unequal (and zero) cell size cases will be dealt with. Principles and methods for constructing frames for these samples will be presented. Examples will be used to illustrate concepts and procedures.*

Professor Jessen is a fellow of the American Statistical Association and of the American Association for the Advancement of Science. Since earning his Ph.D. in statistics from Iowa State University, Professor Jessen has been a member of the faculty of Iowa State University and UCLA. He teaches and conducts research in three areas, Statistical Surveys, Sampling and Business Statistics. He has published research papers on survey sampling, data collection by unbiased sampling procedures, and comparative assessment of various sampling techniques. His latest book, entitled Statistical Survey Techniques, has just been published by John Wiley & Sons.

**MEETING LOCATION:** The Rodger Young Center  
936 W. Washington Blvd.  
Los Angeles, CA  
(213) 749-8291

**SCHEDULE:** 6:00 p.m. Cocktails (no-host)  
7:00 p.m. Dinner  
8:00 p.m. Speaker

**MENU:** Boneless Breast of Chicken, Salad,  
Dessert and Beverage.

**PRICE:** \$8.00 (\$5.00 for students).

**RESERVATIONS:** Please place your reservations no later than noon, Tuesday, April 25 by calling Dennis Aaron: (213) 451-7354 (weekdays)  
(213) 390-4805 (evenings)

## COMING CHAPTER EVENTS

May 25 - Regular Chapter Meeting  
 June 22 - Regular Chapter Meeting  
 Aug. 14-17 - 1978 Annual Meeting, San Diego, CA

## STUDENT PAPER PRIZE COMPETITION

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Papers should be submitted no later than May 12, 1978 to:

Thomas Wedel  
 School of Business  
 California State University  
 Northridge, CA 91324

(213) 885-2407  
 (213) 885-2470 (secretary)

## SAN DIEGO ORSA MEETING

The San Diego Chapter of ORSA will be holding its monthly meeting on Thursday, April 27. The evening's speaker will be Professor Don Gaver of the Naval Post Graduate School, Monterey, CA. His talk is entitled "New Thoughts on Some Forecasting Problems."

MEETING LOCATION: Shelter Island Inn  
 2051 Shelter Island Drive  
 San Diego, CA  
 (714) 222-0561

SCHEDULE: 5:30 p.m. Cocktails (no-host)  
 6:30 p.m. Dinner (Harbor Room)  
 7:30 p.m. Program

MENU: Beef Teriyaki Dinner with Soup and Dessert

PRICE: \$6.50

RESERVATIONS: Should be made no later than noon, Tuesday, April 25 by contacting

Eugene W. Sibbald  
 San Diego City Schools  
 San Diego, CA 92103  
 (714) 293-8325

## NOMINATION FOR CHAPTER OFFICERS

Nominations are being solicited for the following Chapter positions: President Elect, Vice President for Professional Affairs, Vice President for Academic Affairs, Secretary, and Treasurer. If you would like to nominate a fellow Chapter member or are interested in running for office yourself, please contact:

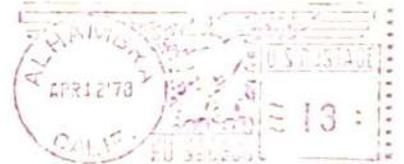
Dennis Aaron  
 3525 Rosewood  
 Los Angeles, CA 90066  
 (213) 451-7354 (days)

SOUTHERN CALIFORNIA CHAPTER

# American Statistical Association

626 NORTH GARFIELD AVENUE  
 ALHAMBRA, CALIF. 91802

ASA 6-77  
 Dr. Robert L. Newcomb  
 School of Social Sciences  
 University of California  
 Irvine, CA 92717



FIRST CLASS MAIL

DATED MATERIAL



# The Southern California STATISTICIAN

✱ Meeting Memo and Newsletter ✱

Vol 15 No 6

Southern California Chapter American Statistical Assn

June 1978

## STAN AZEN TO SPEAK AT JUNE CHAPTER MEETING



STANLEY P. AZEN

Dr. Stanley P. Azen of the Department of Community and Family Medicine at USC will speak at the June 22 chapter meeting on "Statistical Medic Care; or How to Save the Physician from Malprediction."

Dr. Azen received his B.A. and M.A. Degrees in Mathematics and his Ph.D. in Biostatistics from UCLA in 1960, 1962, and 1969, respectively. From 1962 to 1969 he worked as a mathematician in the Computer Sciences Department at the Rand Corporation in Santa Monica. He was a Research Associate in the Department of Electrical Engineering at USC from 1969 to 1970. Since then he has been a Professor at the USC School of Medicine.

Currently Dr. Azen is Professor of Community Medicine and Biomedical Engineering in the Departments of Community and Family Medicine and Biomedical Engineering at USC. He is Coordinator of the Biometry Program in the Department of Community and Family Medicine and is a Faculty Research Associate in the

(Continued on Page 2)

## JUNE 22 MEETING ANNOUNCEMENT

WHEN: Thursday, June 22, 1978

6:00 P.M. - Cocktails

7:00 P.M. - Dinner

8:00 P.M. - Chapter Business and  
Presentation of Awards

8:15 P.M. - Speaker

WHERE: UCLA Faculty Center  
Redwood Room  
Westwood, CA  
(213) 825-0877

PRICE: \$7.50  
\$5.00 for full-time students

### DIRECTIONS to Faculty Center:

Faculty Center is located on the NW corner of Hilgard and Westholme. Approaching UCLA from Westwood Village on Westwood Boulevard, turn right on Le Conte, then left on Hilgard to Westholme. Parking is available in Parking Structure #2 for a charge of \$1.00.

### FOR RESERVATIONS, contact:

Reynaldo Navarre  
(213) 741-4480

Reservations should be made  
NO LATER THAN TUESDAY, JUNE 20.

STAN AZEN TO SPEAK  
(Continued from Page 1)

Population Research Laboratory of the Department of Sociology. He also serves as Statistical Consultant on projects at Children's Hospital in Los Angeles and at Rancho Los Amigos Hospital in Downey.

Dr. Azen has published numerous articles in medical, mathematical, and statistical journals. In 1972 he co-authored with A. A. Afifi the book Statistical Analysis: A Computer Oriented Approach (Academic Press, New York), which will appear in its second edition next year.

The following is an abstract of Dr. Azen's talk:

Numerous examples and applications in which the practicing biometrician can assist the physician are presented. The first example discusses the need for designing studies to establish normal ranges and estimates of inter- and intra-observer variation of clinical parameters used in routine clinical evaluation. Applications include goniometric measurements of joint range of motion and specular microscopy measurements of endothelial cell density. The second example presents the need for developing methodology to establish confidence limits for parameter estimates with unknown or unmanageable distributional properties. An application presenting several methods for calculating one-sided limits for the relative risk ratio in cohort studies is given. Third, an example of the need for improved, yet simple, methodology for the routine evaluation of clinical trials by research physicians is discussed. An application to the evaluation of contraceptive trials is presented. The final example discusses the need for developing prognostic models and nomograms that reflect statistical relationships as well as clinical experience. Applications include a multifactorial probit model to predict survival outcome in burned patients and a multifactorial Bayesian procedure to predict functional outcome of stroke patients. The presentation will be of special interest to students entering or currently involved in the field of biostatistics and who are seeking areas of statistical application.

STUDENT PAPER PRIZE WINNERS

The winners of the Annual Student Paper Prize Competition have been selected. The prize for the graduate competition will be awarded jointly to the authors of two papers. No prize will be awarded in the undergraduate competition.

David Krackhardt, a student in the Graduate School of Administration at the University of California, Irvine, wins half the graduate award for his paper, "Identifying Causality in Non-Experimental Investigations." The other half of the award is shared by John Sohl of the Department of Biostatistics at UCLA and Fatteneh Ghaneh of the Department of Mathematics at UCLA for their joint paper, "Missing Value Regression and Non-Gaussian Distributions."

Student winners and their faculty advisors will be honored at the presentation of awards during the June 22 Chapter Meeting.

NOMINATION OF CHAPTER OFFICERS

The Elections Committee will present its nominations of 1978-79 chapter officers for amendments and approval by chapter members attending the June 22 chapter meeting. Ballots for the officer elections will be distributed to chapter members by mail following the meeting.

STATISTICAL SOCIETIES TO MEET

Remember that the Joint Statistical Societies will hold their annual meeting in San Diego this year during the week of August 14-17.

NEW PHONE NUMBER

Chapter President Elect Reynaldo Navarre has a new office telephone number:

(213) 741-4480



# The Southern California STATISTICIAN

✱ Meeting Memo and Newsletter ✱

Vol 16 No 1

Southern California Chapter American Statistical Assn

September 1978

## SEPTEMBER MEETING ANNOUNCEMENT

### THE SPEAKER AND HIS TOPIC

Selwyn Enzer, the Associate Director of the Center for Futures Research at the University of Southern California, is the invited speaker for our September meeting. His talk is entitled "Interactive Cross-Impact Analysis and its Relation to Classical Probability" and it is briefly described in the following abstract:

*In its earliest stages futures research was concerned with understanding change, particularly how one or more intervening changes or additional inputs can alter the outcome of an otherwise sound statistical inference. As an analytic procedure for probabilistically modeling an interdependent set of events and their impact on a nominal forecast, Cross-Impact Analysis has been employed by many futures researchers even though a good deal of confusion has surrounded its basic definitions and concepts. The purpose of this talk is to clarify the meaning of one of these fundamental concepts; namely conditional probability as used in Cross-Impact Analysis.*

Our speaker joined the professional staff of the Center for Futures Research in February, 1975, and has been directing studies in the food, transportation and international trade areas since that time. Prior to coming to USC, he spent 6 years as Senior Research Fellow and Treasurer at the Institute for the Future and earlier, has some 20 years of research and long-range planning experience in the aerospace industry. He also serves as a member of the National Materials Advisory Board of the National Research Council.

WHEN: Thursday, September 28, 1978

6:00 P.M. - Cocktails  
7:00 P.M. - Dinner  
8:00 P.M. - Installation of Officers  
8:15 P.M. - Speaker

WHERE: USC Faculty Center  
645 W. Exposition Blvd.  
(Entrance on Figueroa)  
Los Angeles, CA  
(213) 741-6661

DINNER PRICE: \$7.00  
\$5.00 for full-time students

DIRECTIONS: Approaching USC from the Harbor Freeway on Exposition Blvd. (Westbound), turn right (north) onto Figueroa Street (at the Mobil gas station) and then make an immediate left turn into University Entrance #2. Personnel at the traffic kiosk will collect the \$1.00 parking fee and direct you to parking lot E adjacent to the Faculty Center.

FOR RESERVATIONS, contact:

Reynaldo Navarre  
(213) 741-4480

Dinner reservations should be made no later than Tuesday, September 26.

## OFFICER ELECTION BALLOTS

Ballots for the election of 1978 - 79 chapter officers for Southern California ASA have been mailed to chapter members. Be sure to return your ballot to Orville Allen, Chairman of the Election Committee, by September 25.

## CONFERENCE IN BIOSTATISTICS AND EPIDEMIOLOGY

California State University, Northridge will offer its second annual conference in Biostatistics and Epidemiology on October 6 and 7, 1978. The topic of this year's conference will be "Analysis of Multivariate Association with Goodman and Kruskal's Lambda, Gamma and Tau Statistics".

These statistics were chosen because of their straightforward meaningful interpretability in terms of classical discrete probability theory. The workshop will stress practical applications of these statistics to a wide range of problems.

Location: CSUN Engineering 158  
 Dates and Time: October 6 and 7 -- 9:00 A.M. to 5:00 P.M.  
 Registration: October 6, 8:30 A.M.  
 Cost: \$65 for the two days. Free coffee and sweet rolls.

For further information, contact:

Dr. Bernard Hanes (213) 885-3101  
 Dr. Thomas Wedel (213) 885-2470

## REQUEST RECOMMENDATIONS FOR FUTURE SPEAKERS

In the near future the newly installed chapter officers will compose a programs committee for the purpose of selecting speakers for this year's monthly meetings. I am sure that the committee would welcome recommendations from chapter members regarding prospective future speakers. If you know of someone (perhaps yourself) that you would like to see receive consideration for selection as a speaker for one of our monthly meetings, please send a brief, written recommendation to: Robert Newcomb, School of Social Sciences, University of California, Irvine, CA 92717.

OCTOBER CHAPTER MEETING: Thursday, October 26 at the UCLA Faculty Center

SOUTHERN CALIFORNIA CHAPTER

# American Statistical Association

626 NORTH GARFIELD AVENUE  
 ALHAMBRA, CALIF. 91802

ASA 6-77  
 Dr. Robert L. Newcomb  
 School of Social Sciences  
 University of California  
 Irvine, CA 92717



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**DATED MATERIAL**



# The Southern California STATISTICIAN

✱ Meeting Memo and Newsletter ✱

Vol 16 No 2

Southern California Chapter American Statistical Assn

October 1978

## OCTOBER MEETING ANNOUNCEMENT

### THE SPEAKER AND HIS TOPIC



Our speaker this month will be Dr. John E. Rolph who is a Senior Statistician with the Rand Corporation. His talk is entitled The Effect of State of Residence on Medical School Admission and is briefly described in the following abstract.

*Data on medical school applications for 1972, 1973, 1974, and 1975 are used to develop discriminant functions which weigh applicant characteristics (undergraduate grade point average, Medical College Admission Tests, state of residence, etc.) according to their effect on an applicant's likelihood of being admitted to at least one U.S. medical school. State of residence effects are particularly strong for majority applicants. For example, an average white applicant from California would have an estimated .13 probability of being admitted to some medical school; the same applicant from South Dakota would have an estimated .81 probability of being admitted. The supply of physicians and the number of public and private medical school places in relation to a state's population account for most of the state of residence effects on admission odds.*

(Continued on page 2)

### OCTOBER 26 MEETING ANNOUNCEMENT

WHEN: Thursday, October 26, 1978

6:00 P.M. - Social Hour (No-host bar available)

7:00 P.M. - Dinner

8:00 P.M. - Speaker

PRICE: \$8.00

\$5.00 for full-time students

DINNER RESERVATIONS: Please place your dinner reservation with Bruce Hodge by Tuesday the 24th. His telephone number is 213/741-4480.

WHERE: UCLA Faculty Center (Sequoia #1)  
213/825-0877

DIRECTIONS: The UCLA Faculty Center is located on the UCLA campus at the northwest corner of Hilgard and Westholme. Approaching UCLA from Westwood Village on Westwood Boulevard, turn right on Le Conte, then left on Hilgard to Westholme. Parking is available in Parking Structure #2 for a charge of \$1.00.

Reservations should be made

NO LATER THAN TUESDAY, OCTOBER 24.

*Empirical Bayes methods are then used to modify the discriminant function estimates of state of residence effects. For majority applicants, this modification shrinks the original estimates about 5 percent while for minority applicants the shrinkage factor is about 54 percent. This analysis yields separate estimates of the variance of the distribution of state of residence effects of majority and minority applicants; the minority variance is about 21 percent of the majority variance.*

Dr. Rolph received his Ph.D. in statistics from the University of California, Berkely and has been a statistician for the Rand Corporation since 1969. He has been a member of the faculties of University College in London and Columbia University and he presently serves as a faculty member of the Rand Graduate Institute of Policy Studies. He lists Bayes and empirical Bayes methods, stochastic modeling, and data analysis as his areas of statistical interest. His substantive areas include criminal careers, medical schools, health insurance fire department employment analysis, and labor markets.

#### REPORT OF THE ELECTIONS COMMITTEE

The chapter officers for 1978-79 are:  
 President: Robert Newcomb  
 President Elect: Wallace Blichke  
 Vice President, Academic Affairs:  
 Robert Elashoff  
 Vice President, Professional Affairs:  
 Milton Brown

SOUTHERN CALIFORNIA CHAPTER

# American Statistical Association

626 NORTH GARFIELD AVENUE  
 ALHAMBRA, CALIF. 91802

Secretary: Harland Sather  
 Treasurer: Bruce Hodge

Addresses and telephone numbers for the new officers will appear in the next newsletter.

#### THE 1979 BUSINESS OUTLOOK CONFERENCE

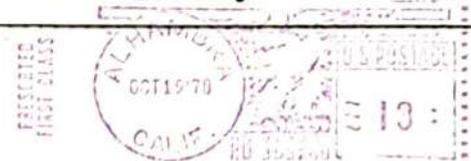
Our chapter has agreed to serve as cooperating sponsor for the 1979 Business Outlook Conference (BOC), which is being presented by the Los Angeles Area Chamber of Commerce on Tuesday, November 14, at the Los Angeles Biltmore Hotel (Fifth and Olive Streets). Chairman for this event is Mr. Frederick Llewellyn, President and General Manager of Forest Lawn Memorial Park who announced that the full-day program will feature noted authorities and their views on the economic outlook for 1979. The 1979 program will include:

Eliot Janeway, Noted Economist  
 John Olheary, Deputy Director, Department of Energy  
 Dr. Jerry Pohman, V.P. and Chief Economist, California Savings and Loan Association  
 Dr. Sidney L. Jones, Assistant to the Board of Governors, Federal Reserve System  
 The Honorable James Hodgson, Former U.S. Ambassador to Japan

Since we are a sponsoring organization we are able to offer tickets to our membership at a cost of \$50 (\$40 for student members) which represents a saving of \$25 on the general admission price. Discount tickets and additional information may be obtained through Milton Brown, our Vice President for Professional Affairs, by calling 213/742-2271.

#### THE NEXT CHAPTER MEETING

Our next chapter meeting will be held Tuesday, December 7 at the USC Faculty Center.



ASA 6-77  
 Dr. Robert L. Newcomb  
 School of Social Sciences  
 University of California  
 Irvine, CA 92717

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# The Southern California STATISTICIAN

\* Meeting Memo and Newsletter \*

Vol 16 No 3

Southern California Chapter American Statistical Assn

December 1978

## December Meeting Announcements

### Los Angeles

WHO: Dr. S. James Press

TOPIC: "An Empirical Study of a New Method for Forming Group Judgments: Qualitative Controlled Feedback"

WHEN: Thursday, December 7, 1978  
6:00 p.m. - Social Hour  
7:00 p.m. - Dinner  
8:00 p.m. - Speaker

PRICE: \$7.50  
\$5.00 for full-time students

DINNER RESERVATIONS: Please place your dinner reservations with Bruce Hodge by Tuesday the 5th. His telephone number is 213/741-4480.

WHERE: U.S.C. Faculty Center  
645 W. Exposition Blvd.  
(Entrance on Figueroa)  
Los Angeles, CA  
(213) 741-6661

### San Diego

WHO: Dr. David Macky

TOPIC: "Some Anomalies in SPSS ANOVA"

WHEN: Wednesday, December 6, 1978  
6:00 p.m. - No host cocktails at the bar  
6:30 p.m. - Dinner  
7:45 p.m. - Program

PRICE: \$7.25  
\$5.00 for full-time students

DINNER RESERVATIONS: Please confirm your reservations by Monday, December 4th by calling John Killmer.  
weekdays: (714)232-4252 ext. 2220  
evenings: (714)234-0057

WHERE: The Harbor Room  
The Shelter Island Inn  
2051 Shelter Island Drive  
San Diego, CA  
(714)234-0057

## HOLIDAY PARTY

WHEN: Saturday, December 16, 1978  
7:00 p.m. - Deli Buffet, Wine, etc.

PRICE: \$4.00 per person

WHERE: The Blichke's  
5401 Katherine  
Van Nuys, CA 91343  
(213) 994-4732

DIRECTIONS: Ventura Freeway to Woodman, north to Chandler, left on Chandler to Katherine, OR San Diego Freeway to Burbank, east to Hazetline, south to Chandler, west to Katherine.

RESERVATIONS: Please place your reservations with Bruce Hodge by Thursday, December 14th. (213) 741-4480.

**DIRECTIONS:** Approaching USC from the Harbor Freeway on Exposition Blvd. (westbound), turn right (north) onto Figueroa St. (at the Chevron station) and then make an immediate left turn into University Entrance #2. Personnel at the traffic kiosk will collect the \$1.00 parking fee and direct you to parking lot E adjacent to the Faculty Center.

**RESERVATIONS SHOULD BE MADE NO LATER THAN TUESDAY, DECEMBER 5th.**

### THE SPEAKERS AND THEIR TOPICS

Dr. S. James Press, Professor and Chairman of the Department of Statistics at the University of California, Riverside is the invited speaker for our December meeting. His talk is entitled "An Empirical Study of a New Method for Forming Group Judgments: Qualitative Controlled Feedback," and it is briefly described in the following abstract:

*The Qualitative Controlled Feedback method was developed by Press (JASA, September, 1978) to elicit objective and reasoned collective judgments for managerial decision making in both the private and public sectors. The method is subjected to empirical testing in a feasibility study of the methodology. A sample of 111 faculty and staff members of the University of British Columbia participated in the testing of the method. The participants (including a separate control group) were asked to make a judgment on the importance of building an aquatic center on campus. It was observed that Qualitative Controlled Feedback was associated with changes in judgements. The data suggest that the judgments given by the subjects in the qualitative controlled feedback group were distributed quite differently from those given by the control group.*

Dr. Press has taught at several universities including the University of British Columbia, University of Chicago, Yale University, University College (London), and the London School of Economics and Political Science. He has authored numerous articles which have appeared in such publications as the Journal of the American Statistical Association and the Journal of Multivariate Analysis as well as several books on multivariate analysis and subjective assessment methodology. He was elected a fellow of both the Royal Statistical Society (1970) and the American Statistical Association (1974). He holds a Ph.D. in Statistics from Stanford University as well as

Dr. David Macky, of San Diego State University, is the invited speaker for this meeting. His presentation is entitled, "Some Anomalies in SPSS ANOVA." It is briefly described as follows:

*The emphasis of the discussion centers around deciding which hypotheses are actually being tested in the ANOVA, and possible pitfalls resulting from the usual regression sum of squares notation.*

Dr. Macky has served on the San Diego State University faculty since 1969, as Statistics Coordinator from 1971 through 1978. Before coming to San Diego State, Dr. Macky lectured at the University of Queensland Australia from 1966-1969. He received his doctorate from Michigan State University.

### ASA FELLOW NOMINATIONS INVITED FOR 1979

The 1979 Committee on Fellows invites nominations for Fellow of ASA. The executive committee will assume the responsibility of nominating any candidates suggested by the membership.

Contact Wally Blischke at (213) 741-2446 prior to JANUARY 1, 1979, for further information.

degrees in mathematics and physics from the University of Southern California and New York University.

San Diego Area NewsOfficers Elected:

On November 14, 1978, 12 San Diego area chapter members met and elected the following officers for their region of Southern California:

Janice D. Callahan, Chairwoman  
Computer Science Corp.  
2251 San Diego Avenue  
San Diego, CA 92037  
(714) 299-9902

John D. Killmer, Secretary  
San Diego Gas & Electric Co.  
1938 29th Street  
San Diego, CA 92102  
(714) 232-4252, ext. 2220

Meetings

There will be three meetings held in the San Diego area this year, one in December and two in the spring. In addition, San Diego area members will be participating in the meeting to be held in Irvine later this year. Information on San Diego area meetings will be printed in the Southern California Statistician in conjunction with the Los Angeles area meeting news. Anyone interested in participating in San Diego activities is urged to contact Jan or John.

THE NEXT CHAPTER MEETING

Our next chapter meeting will be held Thursday, January 25th, at the U.C.L.A. Faculty Center.

The speaker will be Dave Rothman of Agbabian Associates. His topic is "Tournament Design, Ranking Contestants and Prize Fund Allocation."

POSITION AVAILABLE

Full-time position available at Los Angeles County/University of Southern California Cancer Center for STATISTICIAN/PROGRAMMER ANALYST.

Duties involve statistical monitoring, analysis and associated data base management for clinical trial studies being conducted in pediatric cancer. Tasks include the development of computer programs for statistical applications in this area.

Necessary background: Master's degree in Biostatistics or a Master's degree in Mathematics with course work in Statistics, and experience with a scientific programming language (preferably FORTRAN). Familiarity with clinical trials and survival analysis methodology is desirable. Individuals with a Bachelor's degree in Mathematics and relevant work experience will also be considered.

Send curriculum vita to:

Dr. Harland Sather  
Childrens Cancer Study Group  
LAC/USC Cancer Center  
1721 Griffin Avenue  
Los Angeles, CA 90031  
Phone: (213) 223-1373

## FROM THE EDITORS

We would like to expand the scope of this newsletter to include more items which may be of interest to our members. Some such items are:

- . Personal news about our members (publications, awards, changes in positions, etc.).
- . Meetings, seminars, courses, etc., of interest to chapter members.
- . Job openings of interest to chapter members.

In addition to these professionally-oriented articles, we would also like to print, as space permits, items with a lighter tone, such as cartoons, jokes, and brain teasers.

If you have any items which you feel might be of interest to the membership please contact Vikky or Donna at the address below. Items must be received three weeks prior to publication to be included in the current newsletter.

Our sincere thanks to Cindy Franklin, last year's newsletter editor, for her help in making this transition a smooth one, and for her efforts throughout the past year to keep us all informed of chapter news and meetings.

This year's newsletter co-editors are:

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VIKKY L. LAWRENCE  
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 (213) 741-2446

THE AMERICAN STATISTICAL ASSOCIATION:  
 SOUTHERN CALIFORNIA CHAPTER  
 1978-1979 DIRECTORY OF OFFICERS:

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 University of California  
 Irvine, CA 92717  
 (714) 833-5366  
 (714) 833-6680 (sec'y)

President -Elect Wallace R. Blichke  
 Department of Management  
 School of Business Admin.  
 University of So. California  
 Los Angeles, CA 90007  
 (213) 741-2446

CHAPTER OFFICERS (continued)

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 (Academic Affairs) U.C.L.A. Cancer Center,  
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 (213) 825-1907

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 (213) 742-2271

Secretary Harland N. Sather  
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 1721 Griffen Avenue  
 Los Angeles, CA 90031  
 (213) 223-1373

Treasurer Bruce E. Hodge  
 Automobile Club of So. Calif.  
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