

泛華統計協會 會刊

International Chinese Statistical Association



Bulletin

July 1998

編者的話：

會刊是我們會員的主要交流園地，預計每年在一月及七月發行兩期，希望各位踴躍賜稿，文章以一至二頁的短文為主，須用中文繁體字或英文書寫，文章性質以一般性非專門性學術的文章為主，以前或本期會刊內的各篇短文都是很好的範例，稿件如獲採用，我們希望能由作者安排打字，完稿的上、下、左、右留邊(margin)至少要有四分之三英吋，頁碼離底邊二分之一英吋，打字打在 8" x 11"的白紙上。稿件的截止日期是六月十五日及十二月十五日。截止日期後收到的將列為下一期的稿件。

刊內附有本會的申請表 (application form)，其中會員動態內的著作 (publication) 以一年內的新作品為限。

從1994年度起，本會酌收徵才廣告費一頁 U.S.\$200 或半頁 U.S.\$120。

對於以上的一些構想，如果您有任何建議，請與泛華協會執行長羅黔輝（地址見下）聯絡，以期這份刊物更為完善。

丁美齡

Note:

ICSA Members: Only individuals who have paid are members,
otherwise non-members.

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EDITOR'S NOTE

Karl K. Lin
Chair
Editorial Board of ICSA Bulletin

Under the recommendation of board member Dr. Timothy Chen, the Editorial Board of ICSA Bulletin has planned to include an article interviewing a world class Chinese statistician in this and each of future issues of ICSA Bulletin. We hope that the feature article entitled "An Interview with Professor Chin Long Chiang" by Professor Zhaohai Li and included in this issue of ICSA Bulletin will serve as the beginning of a series of such meaningful articles.

On behalf of the Editorial Board of ICSA Bulletin, I would like to thank Dr. Chen for the great suggestion and for his efforts to make the plan become a reality. The Editorial Board wants to express its sincere thanks to Professor Li for the contribution of this excellent article. As Professor Chiang indicated in the interview, Dr. Li's performance definitely qualifies him as a good journalist, a person who knows what questions to ask, and how to write. Finally, the Editorial Board is grateful to Professor Chiang for his willingness to help the Association by granting Dr. Li the interview and by providing us some of his valuable pictures to be included in the article. This is another living example of what Dr. Li said in the interview that Professor Chiang always likes to help other people.

There are many world class Chinese statisticians. We sincerely hope that students and colleagues of those well known statisticians will follow Dr. Li's example and contribute more this kind of articles to ICSA Bulletin.

EXECUTIVES AND MEMBERS OF THE COMMITTEES OF ICSA 1998

[1] EXECUTIVES

President:	Jeff C.F. Wu (1998)
Past President:	Shein Chung Chow (1998)
President-elect:	T. Timothy Chen (1998)
Executive director:	Naitee Ting (1998-2000)
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[3] STANDING COMMITTEES

(A) PROGRAM COMMITTEE (1998)

Chien-Pai Han (Chair); Jane Gau; Ming Hong Huang
Term of reference: to plan, coordinate and arrange the ICSA annual dinner meeting and exhibit.

(B) FINANCE COMMITTEE (1998)

Xiu Chen (Chair); Christina Show; Fanny Ki; Hon-Zhi An
Term of reference: to oversee the budget and financial situation of the Association.

(C) NOMINATING/ELECTION COMMITTEE (1998)

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Term of reference: to nominate candidates for the President-elect and members of Board of Directors.

(D) PUBLICATION COMMITTEE (1998)

Jun Shao (Chair); C.S. Cheng; Karl Lin; M.C. Wang; Greg Wei
Term of reference: to supervise the publication policy of the Association make recommendations with respect to the editorial policy of various publications and evaluate the need for an applied journal.

[4] CURRENT COMMITTEES

(A) MEMBERSHIP DRIVE COMMITTEE (1998)

Joe Shih (Co-chair); Xuming He (Co-chair)
Term of reference: to recruit more new members and contact potential interested individuals and organizations.

(B) FUNDRAISING COMMITTEE (1998)

Naitee Ting (Chair); H.Z. An; W.Y. Poon; Christina Show; William W.S. Wei; Irwin Ho
Terms of reference: to carry out the fund raising drive in a 5 year plan through our members and corporations.

(C) PUBLIC RELATIONS COMMITTEE (1998)

H. Ju (Chair); J. Shih; S.C. Chow
Term of reference: to contact news media and publicize ICSA activities, to serve as a liaison between ICSA and ASA for joint activities such as co-sponsorship of the Joint Statistical Meetings and to identify needs from non-statistical Chinese professional organizations such as ACPA and SCBA.

(D) PROFESSIONAL ACHIEVEMENT COMMITTEE (1998)

K.Y. Liang (Chair); T. Chen; G. Lan; P.E. Lin; J.Y. Tsay; C.H. Zhang; S.Y. Lee
Term of reference: to evaluate the classification/applicability of guideline/procedures for various awards proposed by the Awards Committee, for selecting ICSA fellows, and for endorsing/nominating ICSA members to other statistical societies such as ASA and IMS.

(E) AWARDS COMMITTEE (1998)

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(F) APPLIED STATISTICS SYMPOSIUM COMMITTEE (1998)

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Term of reference: to plan long-term strategies for the Association.

(H) CONFERENCE COMMITTEE (1998)

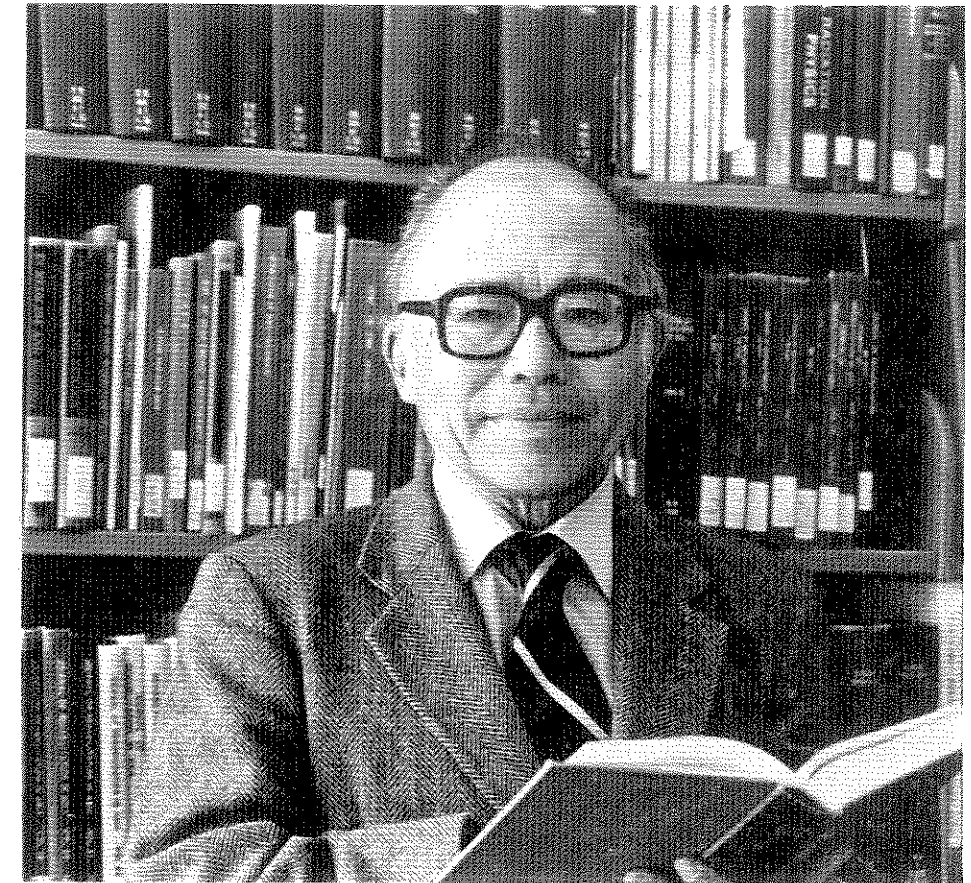
X.L. Meng (Chair); Eric Chi; Zhiliang Ying; Smiley Cheng; James C. Fu; Gordon Lan; Kung-Yee Liang; George C. Tiao; Naitee Ting

[5] BIOMETRICS SECTION (1998)

K.Y. Liang (Chair); Alice Hsuan (Chair-elect); Colin Wu (Secretary);
J.H. Hung (Treasurer); James Chen (ICSA Representative)

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Professor Chin Long Chiang

An Interview with Professor Chin Long Chiang

Zhaohai Li
The Biostatistics Center
Department of Statistics
The George Washington University

Li: Professor Chiang, I have known you for a long time. I never asked you about your background. Maybe you could tell me about your background and how you got interested in statistics?

Chiang: I was always interested in mathematics and physics since I was very young. When I entered the Tsing Hua University in Beijing as a freshman in 1936, my major area was physics. Following the July 7, 1937 incident, the university moved to Changshia, Hunan province, and joined Peking University and Nankai University to form a Temporary University, which moved again to Kunming in February, 1938. The situation in the university was very chaotic. Many students changed their majors. Without

any good reason, I changed my major to economics. Courses in economics did not interest me at all, except a course in "statistics." I decided then to study statistics as soon as there was a chance.

When I came to the University of California, Berkeley, in the fall semester of 1946, I was still in the Department of Economics. But I changed my major to statistics during the second (may be the third) week of the semester. At that time there was only a Statistical Laboratory in the Department of Mathematics, and no department of statistics, on the Berkeley campus. The director of the Statistical Laboratory was Professor Jerzy Neyman, one of the founders of modern statistics. I was under his guidance ever since.

I worked in the Statistical Laboratory as a research assistant for a few years. I earned my M.A. degree in statistics in 1948, and the Ph.D. degree in 1953. The chairman of my Ph.D. oral examination committee was the chairman of the Mathematics Department, Professor Griffith C. Evens. The topic of my Ph.D. dissertation was "On regular best asymptotically normal estimates," published in the Annals of Mathematical Statistics, vol. 27 (2), June, 1956.

Li: During the time period when you studied for your degree at Berkeley in statistics, who were the people you knew?

Chiang: Since at that time the Statistical Laboratory was in the Mathematics Department, I took most courses in mathematics. Faculty members in statistics were: Professor Neyman, Michel Loève, Eric Lehmann, David Blackwell, Henry Scheffé, Evelyn Fix, Lucien Le Cam, Elizabeth L. Scott, and Joseph L. Hodges. Professor P. L. Hsu left Berkeley at the end of Spring semester, 1946. I missed him by a few months.

My contemporaries (students) were : William Gaffey, Charles Kraft, Jim Asery, George Steck, William F. Taylor, Esther Seiden, Joseph Putter, J. R. Blum, Henry Konijn. That is about all I can remember now.

Li: You got your Ph.D. in statistics and had a distinguished career as statistician, as biostatistician, and as university professor. What brought you to biostatistics?

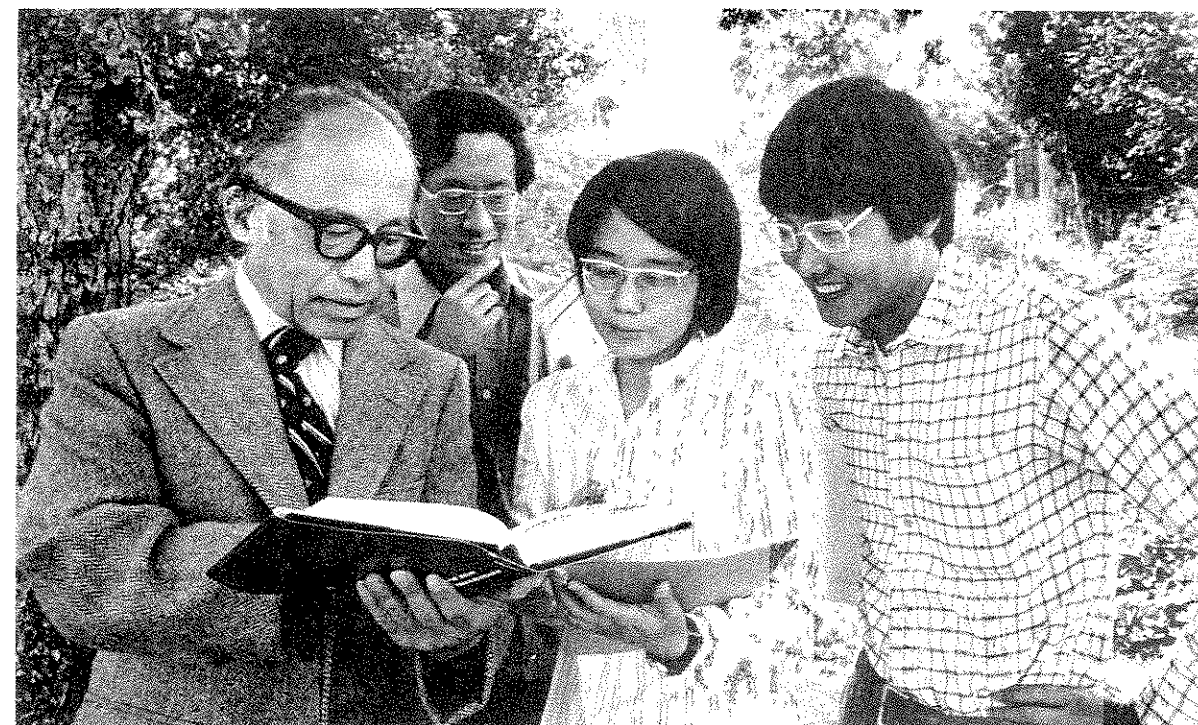
Chiang: My career in biostatistics initiated in 1951. At the recommendation of Neyman, I went to the Biostatistics Program in the School of Public Health as a teaching assistant. But I gave courses! One of the courses I was assigned to teach was the life table. That was the first time I ever heard something called the "life table". Because of the lack of my knowledge in that area, the life table course was difficult to teach. I had to memorize all the formulas which were not meaningful to me at all. Since all I knew was mathematics, I reconstituted the topic "life table" from a mathematical point of view. The result was the life table method of analysis. I published my work in 1960-61 in three articles under the common major title: "A stochastic study of the life table and its applications." They were later included in my 1968 book: Introduction to Stochastic Processes in Biostatistics, published by J. Wiley.

In addition to deriving probability distributions of the life table functions, I have also proposed a method of "life table construction", that is, a formula of conversion of an age specific death rate to the probability of dying during the same age interval, such as (5,10). The formula was published in 1961 Vital Statistics - Special Report, and proved from an analytical viewpoint in 1972 in the Journal of American Statistical Association. Since I did not claim that I proposed the formula, no body knows that was my formula.

Li: You have also made important contributions on the theory of competing risks besides the life table. Who is the first person to use the term "competing risks"?

Chiang: At that time I also heard the term "causes of death" in mortality analysis in public health. That prompted me to develop the theory of competing risks. But the term "competing risks" was due to professor Neyman. There is a chapter, Chapter 11, of my 1968 Wiley book, where I described the theory of competing risks in some detail. An article entitled: "Competing risks in mortality analysis", published in Annual Review of Public Health, 1991, also contains some of the idea of competing risks.

Li: You mentioned your book Introduction to Stochastic Processes in Biostatistics. How did you become interested in stochastic processes and their applications?



Professor Chiang with biostatistics students on Berkeley campus in 1980

Chiang: While still working on the competing risks, it occurred to me that if deaths are classified by causes, people who are living also should be classified into different categories. After all, people of different health conditions are subject to different risks of death, and should be in different categories. That led me to study the finite Markov processes, each health category is a state in the Markov process. The mathematics in studying people moving in different health categories is similar to studying transitions of states in the finite Markov processes. My first publication in that area entitled "A stochastic model of competing risks of illness and competing risks of death," in Stochastic Models in Medicine and Biology, 1964, the University of Wisconsin Press, reflected a connection between biostatistics and stochastic processes.

During the years that I was teaching courses in stochastic processes at the University of California, Berkeley, and elsewhere, I had the opportunities to develop further the solutions of the Kolmogorov differential equations in the finite Markov processes. In my 1968 Wiley book, I presented a second solution of the Kolmogorov differential equations. In spite of their difference in appearance, the two solutions were shown to be identical under certain conditions.

In my 1980 book, I extended the two solutions to the cases where the intensity function matrix V has multiple eigenvalues. One of my associates, Dr. Larry Zaiqian Shen, has proved in his paper: "On Chiang's explicit formulas of the Kolmogorov differential equations," Statistics and Probability Letters, 17 (1993), 307-313, that my two solutions for the cases of multiple eigenvalues are identical also.

I have also provided the formulas for the n -step transition probability and for the stationary distribution in discrete time Markov chains, also in my 1980 Kreiger book. As there must be many authors who have worked on these problems, I was lucky to have obtained the explicit solutions.

Li: Professor Kai Lai Chung from Stanford University did extensive researches in the stochastic processes area, specially on Markov processes and Markov chains. It is my impression that you and Professor Chung went to the same high school. Did you have any interactions with him?

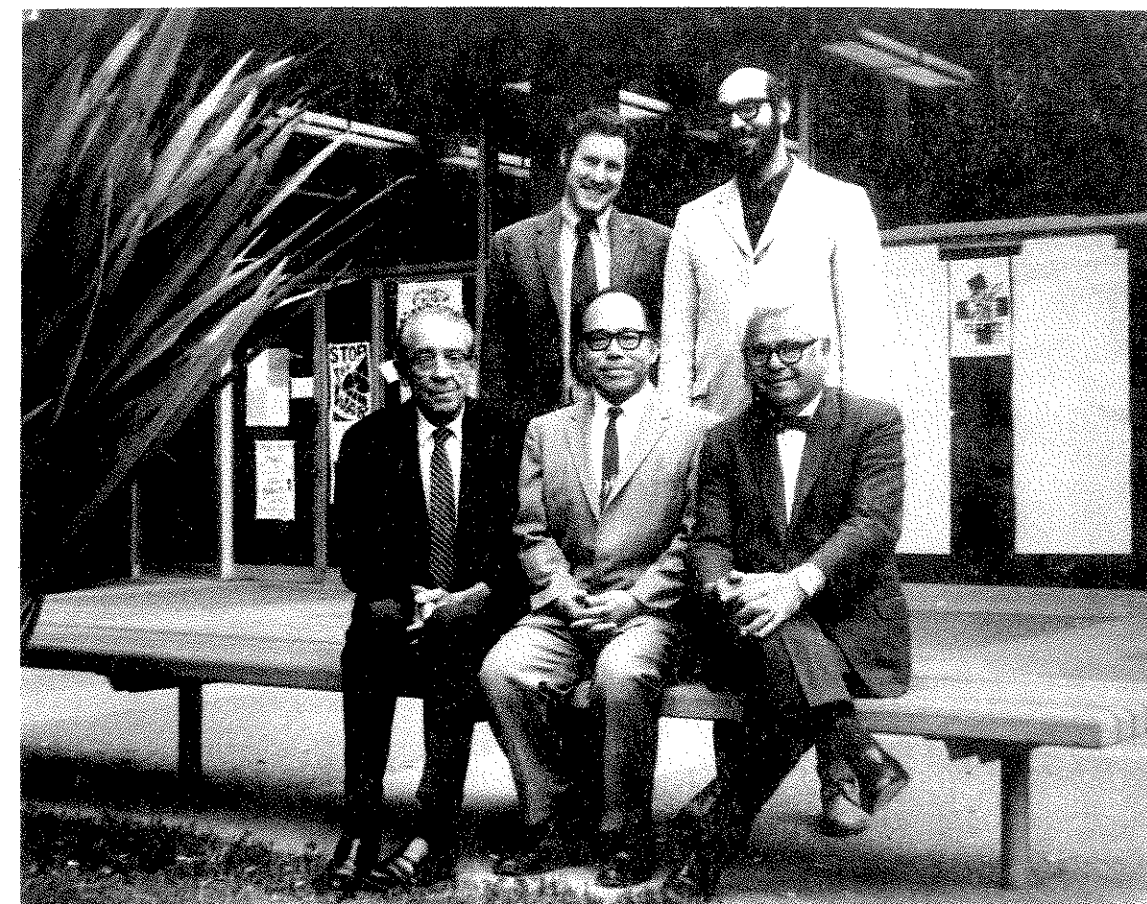
Chiang: You are absolutely correct. Professor Kai Lai Chung and I went to the same high school and the same university. He was the pride of our university. I still remember one day, on the campus of Southwest Associated University (that was the name of our university) in Kunming, Kai Lai Chung showed me some of his work in probability theory. Quite impressive.

Professor Chung is a well-known mathematician, and still very active. In the development of the probability theory and Markov chains, Professor Chung, in my opinion, should be ranked equal of William Feller and J.L. Doob.

In my 1980 Krieger book, page 101, I wrote: "... while many others have contributed to the advancement of Markov theory, Feller and K. L. Chung are among those who are responsible for the present status in probability theory that the Markov chain enjoys." I still think that was a fair assessment of Chung's contributions. His work, however, is not limited to Markov processes, he has many other interesting things in mathematics to attend.

My interest in the Markov processes and Markov chains has been, and still is, in the applications to practical problems. When I read Feller's necessary and sufficient conditions for the existence of the solution of Kolmogorov (forward and backward) differential equations, I wanted to know where was the solution. In a way, Feller's theory and practical applications prompted me to work on the solutions.

I believe that Chung, Feller, Doob and other theoretical people devote their time and effort to theoretical development of the subject. And thus, they left explicit solutions for the applied people to work out. Theories are the basic foundation of any science. Markov processes are no exception.



Professor Chiang with his colleagues in the Div. of Biostatistics, University of California, Berkeley, undated

As there is a certain distance between theory and application, I never had any interactions with Professor Chung. I like to work on my own, more fun, that way.

Li: You must have some personal interactions with another well-known mathematician on Berkeley campus, Professor S. S. Chern.

Chiang: Professor S. S. Chern is the top mathematician in the world. He is also a gentleman and scholar. I have known him for many years. He once gave me a reprint of one of his publications. In 1987 when I was teaching at Peking University, Professor Chern invited me to give a talk at Nankai University. That was about the extent of the interactions I had with Professor Chern in mathematics. His mathematics is pure mathematics, while my mathematics is only applied mathematics.

I received my mathematics training at the University of California, Berkeley, during the years 1946-1953, when I was working for my Ph.D. degree, as at that time the Statistical Laboratory was in the Department of Mathematics.

But I learned my mathematics mostly from my working on problems. For example, in deriving solutions for the Kolmogorov differential equations when there are multiple eigenvalues, I learned much linear algebra and differential equations.

When I found my mathematics not adequate enough to solve a problem, which occurred very often, I used my intuition and guessed a solution, or a formula. If my guess was wrong, no harm was done. If my guess was right, I got my solution. The following are some examples.

- 1) A useful lemma - appeared first in my 1964 University of Wisconsin paper, later in my Wiley and Krieger books. I have checked with many people over the years, nobody seemed to know the existence of the lemma.
- 2) The first formula of the n -step transition probability $p_{ij}(n)$ - appeared in my 1980 Krieger book was my conjecture. I still cannot derive it, but I proved it in my new book by induction.
- 3) The general birth process - in my 1980 Krieger book and in my new book, was a result of my hunch. I thought that there should be a general formula representing all the birth processes, such as Poisson processes, Polya process, Yule processes, etc. Since I could not find one any where in the published books or articles, I derived one myself. Many problems were difficult when I was working on them, they become trivial after I have found the solutions.

Li: You have developed the stochastic process theory and applied them to life science and biomedical research. I have considered these as parts of biostatistical activities

described in your 1985 *Biometrics* paper, titled "What is biostatistics?" What is your current views on the same question you tried to answer a decade ago?

Chiang: Yes, I still think that "... biostatistics is a discipline that is concerned with the development and application of statistical theory and methods for the study of phenomena arising in the life sciences," as stated in that paper.

My work in stochastic processes really is not biostatistics, stochastic processes is not a part of biostatistics, not even as a part of theoretical statistics.

In studying recovery from one disease and relapse of another, I found myself working in the area of finite Markov processes. Although I might have solved some problems in biostatistics with stochastic processes, these solutions apply also to other fields of research, such as engineering. Instead of changing my view of biostatistics, I would rather say that my work in biostatistics caused me to drift away from biostatistics proper to stochastic processes.

To be accurate, I suppose I am wearing two hats, one from biostatistics and the other from stochastic processes. I get problems from one and solve them, if I can, with the other.



Professor Chiang received the "Berkeley Citation" from Provost Doris Calloway at his retirement Party 4/24/87

Li: You wrote nine articles in the recently published Encyclopedia of Biostatistics. Based on this fact alone, I do not think you are in a very strong position to say that you are not a biostatistician. Let me change to a nonstatistical subject. I am practicing journalism on you without knowing anything about journalism. You must know much more about journalism than I do because there is a journalist within your family. Is that right?

Chiang: First, you are doing an excellent job as a journalist. Your performance definitely qualifies you as a journalist. In order to be a good journalist, one must know what questions to ask, and how to write. You surely have both. However, I would not therefore say that journalism is a part of biostatistics.

Yes, I have a journalist in my family. Every morning I read the San Francisco Chronicle. I enjoy reading the morning paper more when there is an article in the front page written by my daughter. But that is about all I know about journalism.

You are quite right that I cannot say that I am not a biostatistician. Although I might have used stochastic processes to work on problems in biostatistics, I am still a biostatistician.

It is interesting that you should have mentioned Encyclopedia of Biostatistics. That was not entirely my own doing, there is a story behind it. One day in March, 1997, long after the deadlines for submission of manuscripts to the editors had passed, I received a telephone call from one of the Editors-in-chief. They had just discovered that they have not yet assigned people to write twelve of the "entries." He asked me for help. I should have answered: "Of course, I will be happy to write one article for you!" But I committed to write nine! As a result, during nearly two months in that Spring, I worked day and night to fulfill my commitment. Now I am happy that I was able to help my friends when they needed my help.

Li: You always like to help other people. You helped me to translate my Chinese academic documents into English when I needed them for graduate school admission in 1985. I still have copies of them. Nowadays you must enjoy gardening, photographing, and traveling besides writing papers and books and helping other people. At one time, you mentioned to me that we should go to climb Yellow Mountain (Huang Shan) in China together. Do you have any remarks about these subjects?

Chiang: Thank you for saying that "you always like to help other people." Usually it takes only a little effort on my part to help others. So, why not?

Of course I had the most opportunities to help my students. Also, like many teaching at the universities in the U.S., I also had opportunities of helping people in China to come as visiting scholars. Some of them are doing very well.

But I rarely turned down a request for my help regardless who requested.

I remember one day in December, 1994, a member of ICASA asked me to prepare a documentation to nominate him for Fellow of the American Statistical Association. Since I did not know much of him, even less of his work, I had to spend a great deal of time to read and digest all the material he sent to me. I prepared as a good documentation as I could. Subsequently, he was elected. The chair of the committee congratulated me. That made me very happy.

Nowadays, I am still teaching and giving lectures. I gave a course in stochastic processes at Tunghai University, Taiwan, in 1994, and at the University of Texas, Houston, in 1995, and gave a few lectures at Peking University in September 1995.

I presented a paper and chaired a session at the ICASA meeting in Beijing, in August, 1995. And I reported my work at the biannual meetings of the International Statistical Institute.

I also gave a lecture series on the theory of life table and competing risks in Barcelona, Spain, in the fall of 1996.

And of course I am still teaching at the University of California. In order to prevent me from saying "No" to their invitation, the University gave me a new title: "Professor in the Graduate School," with an honorarium yet! I am thinking of buying a new computer with that money.



Professor Chiang with two of his previous Ph.D. students at the ISI 50th Session in Beijing, China, September, 1995

So I do not have much leisure time yet.

Speaking of Yellow Mountain, I must tell you that during one of my trips to China, I went to visit Yellow Mountain. Before you and I have a chance to climb the mountain together, I shall share with you the pictures I took during my last trip.

Photography is my hobby. Wherever I go, I have my camera with me. From the West Lake in Hangzhou to Notre Dame Cathedral in Paris, from Temple of Heaven in Beijing to the Red Square in Moscow, to the Golden Gate Bridge in San Francisco, and to Gibraltar at the southern tip of Spain, I take pictures. Now I have well over 60 albums. Statistically speaking, more than five percent of the pictures I took were good. I think that is significant.

Another hobby is playing "bridge." But some of my bridge partners are getting old, like myself, and some of them simply passed away. So I do not play bridge anymore.

I used to play "GO" when I was in China, and I still like to play. But there are no "partners" or "adversaries" to play with. I am not much a gardener. But I like take pictures of the flowers.

I also played flute (xiao). I remember when I was a freshman at the Tsing Hua University I heard that one could get the best "xiao" in Yubin, in Kweizhou (Gui Zhou) province. But I did not know any one in Yubin. So I wrote a letter to the mayor of the city. After about a month I received a pair of the most elegant "xiao" in the world, with the mayor's compliments! Apparently the mayor was a very generous man. When he received a letter from a person named Chin Long Chiang from the National Tsing Hua University in Peking, the mayor must have thought that I was some one of importance in the university. When the shop got the order from the mayor's office for a pair of "xiao," they gave the mayor the best. I wrote the mayor a gracious letter to express my appreciation.

Li: Thank you very much, Professor Chiang. Please send me some pictures of yours to be published with this interview.

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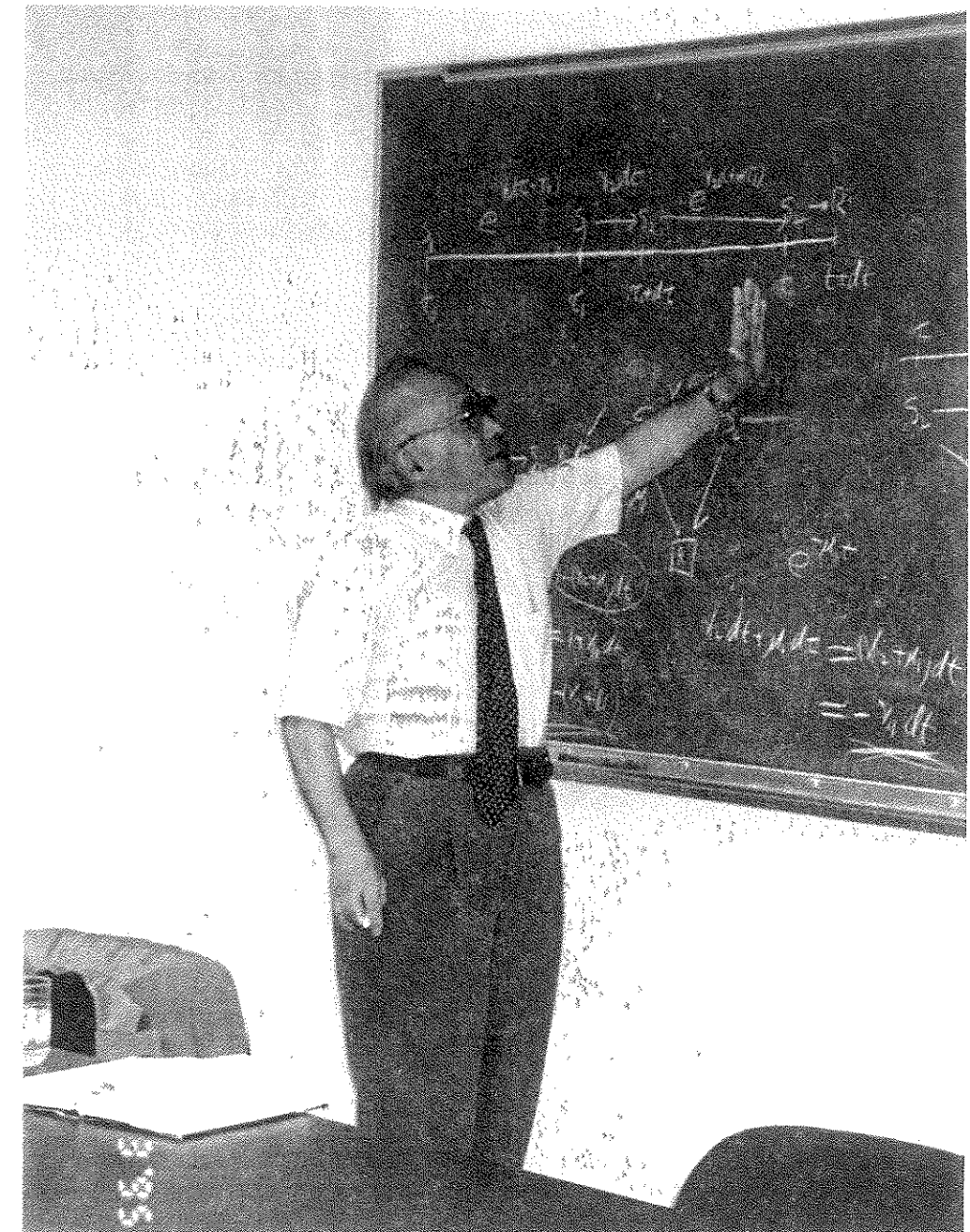
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Professor Chiang gave lectures at the University of Texas, Houston, March 1995

1998 APPLIED STATISTICS SYMPOSIUM

The International Chinese Statistical Association (ICSA) 1998 Applied Statistics Symposium was held June 5- 7 at Connecticut College in New London, CT. A total of 122 statisticians from academia, government agencies, non-profit organizations, businesses and industries attended this symposium. Most of the participants were from the East Coast region, but some were from Tennessee, Arkansas, California, Taiwan and the United Kingdom.

The Symposium started on the afternoon of June 5 with two short courses - Mixed Model Theory (taught by Francis Hsuan and Wenping Wang) and The Bootstrap Method (taught by Jun Shao). Parallel sessions were covered on June 6 and 7. There were a total of 13 parallel sessions (10 invited sessions and 3 contributed sessions). The keynote speech "The status and impact of statistical principles and methodology in facilitating the availability of new therapies: a regulatory perspective" was delivered on the morning of June 6 by Dr. Robert O'Neill from the FDA.

In addition, there was an ICSA members meeting Saturday afternoon (June 6), a banquet with a karaoke party Saturday evening, and an ICSA board meeting Sunday morning (June 7).

The ICSA 1998 Applied Statistics Symposium was co-chaired by Naitee Ting and Gordon Lan. The symposium committee members were Xiu Chen (public relations), Kim Gouvin (registration), Su-Ying Hwang (treasurer), David Kramer (program), Gordon Law (home page), Mike Li (banquet), Greg Wei (short courses) and Yi Yuan (program).

Report on the 1998 ICSA Applied Statistics Symposium Attendee Survey

Weichung Joe Shih, Merck Research Laboratories

July 4, 1998

In the name of the membership committee I conducted a one-page, 15-item survey of the attendees of the recent ICSA Applied Statistics Symposium at the Connecticut College, June 5-7, 1998. The purpose of the survey was to gather information on how the attendees thought about ICSA and how they were informed about ICSA. Out of the 122 attendees, we obtained 47 (38.5%) returned surveys. For a statistical professional society, I must say that the return rate was somewhat disappointing. (The 1996 ASA Biopharm Section Survey had a return rate of 64%), even though this fewer than expected returns made my data-entry staff very happy. To those who took time to contribute, I say thanks. I also thank Professor Xuming He, co-chair of the membership committee, and other members of the membership committee for their support of the survey. The survey form is attached herein for your information.

Not much planning time had been given to design the survey. All items were typed in a lap-top by instant thoughts at the Friday night of June 5 before the symposium weekend when I was watching 20-20. In order to be not too long and boring, some of usual demographic nonsense questions such as age and sex (and race) were omitted. My daughter also suggested to ask 'where were you from', 'who's your best friend', or 'do you have a dog', but I thought you all knew the answers. However, I did remember to ask the JFK- type of open question, 'what can you do for your ICSA', but was afraid of reading the answers. For the economics statistician (guess who) who always cared about the cost of everything, the greatest cost of this survey was two hours of my precious Friday night time on June 5 for preparing the survey and 3 hours of the July 4th Saturday Independence night for typing this report. Since we are all used to read counts and percentages, no silly bar-charts or pie-charts are provided in the following.

1. ICSA membership status (items 4 & 5): Out of the 47 returns, 4 were non-members, 1 student, 25 regular and 17 life-time members. For the 43 members, 29 had been a member for > 3 years, 8 for 1-3 years, and 6 were < 1 year. (Presumably these 6 were new members joined at the meeting).

(Everyone can see that more efforts are needed to attract students and future members.)

2. Primary institutional affiliation (item 15): 20 from industry, 18 from university, 6 from Government, 1 self-employed, 1 "medical centers", and 1 unknown. These might be compared with the whole ICSA members' institutional affiliation distribution, but I don't have that information.

3. Two most attractions to be an ICSA member (item 6): 83 answers were given.

- a. Its excellent journal (*Statistica Sinica*) -- 10 (12.05%)
- b. Its great annual Applied Statistics Symposium -- 23 (27.71%)
- c. Its useful and friendly membership social networks -- 23 (27.71%)
- d. Its home-coming bi-annual conferences -- 2 (2.41%)
- e. Its glory history -- 1 (1.20%)
- f. Its Chinese nature -- 22 (26.51%)
- e. Other: one wrote 'short course', 1 wrote 'professionalism'.

(This should shed some light on what the organization needs to emphasize its effort in order to retain and attract more members.)

4. Primary 2 reasons to attend ICSA Symposiums/Conferences (item 3): 85 answers were given.

- a. To meet interesting people -- 39 (45.88%)
- b. To attend great talks -- 36 (42.35%)
- c. To fulfill my proud membership responsibility -- 8 (9.41%)
- d. Other reason: 1 wrote 'invited talk' (also gave (a) as another answer), 1 wrote 'to sing karaoke' (also gave (a) and (b) as reasons.)

5. Method preferred to receive ICSA meeting information (Item 1): 56 answers were given.

- a. Regular mail -- 20 (35.71%)
 - b. ICSA Web page -- 12 (21.43%)
 - c. e-mail -- 24 (42.86%)
- One commented 'e-mail for short announcement to direct further interest to the web page.'

6. How many times visited ICSA Web page in the last 6 months (item 2):

- a. none -- 15 (31.91%)
- b. 1-3 times -- 23 (48.94%)
- c. > 3 times -- 9 (19.15%)

(Above (5) and (6) indicate that the attendees were likely the visitors to the ICSA web page. However, they still preferred the regular or e-mail for receiving meeting information. Next year's symposium organizers take a note.)

7. Rating of this symposium (item 11):

- a. Excellent -- 21 (45.65%)
 - b. Very good -- 24 (52.17%)
- One questioned 'other choices?', one added 'not very good'.

(It was good that this survey was not considered as a pivotal confirmatory survey according to the new ICH guidelines since the truncated choices by design would not be accepted as unbiased selections.)

8. Satisfaction with the ICSA membership (item 10):

Of the 43 members, 11 (25.58%) were very satisfied; 31 (72.09%) satisfied; 1 (2.33%) not satisfied.

9. Benefit/cost ratio of ICSA membership compared to ASA or other statistical societies (item 12):

- a. more -- 15 (33.33%)
- b. similarly -- 28 (62.22%)
- c. less -- 2 (4.44%)

10. Would introduce ICSA to others/ invite others to join ICSA (item 13):

30 (63.83%) definitely yes; 17 (36.17%) probably yes.

(If these were the truth and representative, we'd expect double growth of the membership sooner than we thought. Let's see.)

11. Have you mailed your ballot this year? (item 7):

- a. Did not receive the ballot (what ballot?) -- 6 (13.95%)
- b. Probably will not remember to vote -- 5 (11.63%)
- c. Will vote but not yet. Thanks this survey for reminder -- 11 (25.58%)
- d. Have sent my votes already -- 20 (46.51%)

12. Can you name the current president of ICSA (item 8):

- a. Sure -- 27 (60%)
- b. Not sure -- 18 (40%)

(I'm sure Jeff was very happy to see this.)

13. Can you name the current Chair of the Biometric Chapter of ICSA (item 9):

- a. Sure -- 13 (29.55%)
- b. Not sure -- 31 (70.45%)

(Fame was not the pursue, it was said. Members were not well informed, it was also said.)

14. If there is one thing you can do for ICSA, what would be that (item 14):

21 provided answers, 26 left blanks. (Is this typical to all open questions or just to this kind of question?) Answers were:

“organizing (better) symposium sessions” (4); “participation” (3); “attending symposium” (1), “more involved in ICSA activities” (1); “passing on information” (1); “mentioning ICSA to students” (1); “helping to recruit more new members” (3); “contributing to the journal & making it better” (1); “mentoring new members on non-statistical matters” (1); “serving as committee members, organizing conferences, etc.” (1); “being a helper” (1); “more involvement” (1); “yes” but “not sure” (2).

(These were actually much better than I thought.)

**ICSA APPLIED STATISTICS SYMPOSIUM ATTENDEE SURVEY, JUNE 6 1998
BY ICSA MEMBERSHIP COMMITTEE**

1. Which method do you prefer for receiving ICSA meeting information? <input type="checkbox"/> Regular mail <input type="checkbox"/> ICSA Web page <input type="checkbox"/> e-mail
2. How many times have you visited ICSA Web Page during last 6 months? <input type="checkbox"/> none <input type="checkbox"/> 1-3 times <input type="checkbox"/> more than 3 times
3. What is the primary 2 reasons for you to attend ICSA Symposiums/conferences? <input type="checkbox"/> To meet interesting people <input type="checkbox"/> To attend great talks <input type="checkbox"/> To fulfill my proud member responsibility <input type="checkbox"/> Other reason: (Please specify)
4. How long have you been a member of ICSA? <input type="checkbox"/> < 1 year <input type="checkbox"/> 1-3 years <input type="checkbox"/> > 3 years
5. Your ICSA membership is: <input type="checkbox"/> Student <input type="checkbox"/> Regular <input type="checkbox"/> Life-time <input type="checkbox"/> Non-member
6. What attracts you the most to be an ICSA member? (Choose 2 items only) <input type="checkbox"/> Its excellent journal (<i>Statistica Sinica</i>) <input type="checkbox"/> Its great annual Applied Statistics Symposiums <input type="checkbox"/> Its useful and friendly membership social networks <input type="checkbox"/> Its home-coming bi-annual conferences <input type="checkbox"/> Its glory history <input type="checkbox"/> Its Chinese nature <input type="checkbox"/> Other (Please Specify):
7. Have you mailed your ballot this year? <input type="checkbox"/> Did not receive the ballot (what ballot?) <input type="checkbox"/> Probably will not remember to vote <input type="checkbox"/> Will vote but not yet. Thanks this survey for reminder <input type="checkbox"/> Have sent my votes already
8. Can you name the current president of ICSA? <input type="checkbox"/> Sure <input type="checkbox"/> Not sure (I don't blame you.)
9. Can you name the current Chair of the Biometric Chapter of ICSA? <input type="checkbox"/> Sure <input type="checkbox"/> Not sure (How can you.)
10. How satisfied are you with your membership of ICSA? <input type="checkbox"/> Very satisfied <input type="checkbox"/> satisfied <input type="checkbox"/> not satisfied <input type="checkbox"/> Very unsatisfied (Are you nuts.)
11. How do you rate this symposium: <input type="checkbox"/> Excellent <input type="checkbox"/> Very good
12. Compare to ASA or other Statistical societies of which you are a member, you find ICSA membership <input type="checkbox"/> more <input type="checkbox"/> similarly <input type="checkbox"/> less valuable in terms of benefit/cost.
13. Would you introduce ICSA to your friends/colleagues and invite them to join ICSA? <input type="checkbox"/> Definitely Yes <input type="checkbox"/> Definitely Not <input type="checkbox"/> Probably Yes <input type="checkbox"/> Probably Not
14. If there is one thing you can do for ICSA, what would that be (Please specify): (Don't ask what ICSA can do for you, ask what you can do for your ICSA!)
15. Your primary institutional affiliation is: <input type="checkbox"/> University <input type="checkbox"/> Government (FDA, NIH, VA, EPA, Navy, Airforce, Army, State) <input type="checkbox"/> Industry <input type="checkbox"/> Self-employed <input type="checkbox"/> Other (Please Specify):

Thanks for your time. Please return this survey to the meeting registration desk. The results will be published in the next issue of the ICSA Bulletin. If we have offended your funny bone, have a good day.

A Special Issue of Communications in Statistics Dedicated to

**THE CELEBRATION OF THE TENTH ANNIVERSARY OF THE
INTERNATIONAL CHINESE STATISTICAL ASSOCIATION**

We are pleased to report that a special issue dedicated to the tenth anniversary of the founding of ICOSA has been published in the Communications in Statistics, Volume 27, Number 6, 1998. The special issue contains twenty-two papers presented at the 1997 Applied Statistics Symposium.

The following pages contain the front page of the journal, the table of contents and the preface of the special issue.

We would like to thank the authors and the referees for their contributions and support in making this publication a success.

James J. Chen
Pi-Erh Lin

**A CELEBRATION OF THE TENTH ANNIVERSARY
OF THE INTERNATIONAL CHINESE
STATISTICAL ASSOCIATION**

Guest Editors

James J. Chen

Division of Biometry and Risk Assessment
National Center for Toxicological Research
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Florida State University
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Editor-in-Chief

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Texas A&M University
College Station, TX 77843-3143

This is a special issue of *Communications in Statistics—
Theory and Methods*, Volume 27, Number 6, 1998.

MARCEL DEKKER, INC. New York, Basel, Hong Kong

Preface

The International Chinese Statistical Association (ICSA) is a non-profit organization dedicated to educational, charitable, and scientific purposes. The ICSA was officially founded at the 1987 Joint Statistical Meetings in San Francisco, CA. The ICSA welcomes any statistics researchers and practitioners to join with its efforts in the promotion and enhancement of statistics. As part of its efforts to promote statistical research, the ICSA co-sponsors a highly regarded journal, *Statistica Sinica*.

On the occasion of the tenth anniversary since the founding of the ICSA, a three-day symposium on Applied Statistics was held on the campus of Rutgers University in May 1997. Selected and refereed symposium papers are published in this exclusive commemorative Special Issue of *Communications in Statistics*. It is hoped that, by this publication, more applied statistics research may be generated.

The Guest Editors are fortunate to have received the assistance of competent and willing referees for their editorial effort. The contributions of the anonymous referees are hereby gratefully acknowledged. Without their contributions and cooperation, the special issue would not have been published within such a short period of time.

Finally, on behalf of the International Chinese Statistical Association, the Guest Editors would like to express their appreciation to the Editor-In-Chief, Professor William B. Smith, Texas A&M University, who graciously agreed to publish this exclusive special issue in commemorating the tenth anniversary of the ICSA.

James J. Chen
Pi-Erh Lin

**COMMUNICATIONS IN STATISTICS
Theory and Methods**

Volume 27, Number 6, 1998

*A Celebration of the Tenth Anniversary
of the International Chinese
Statistical Association*

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- | | |
|----------------------|-------------------|
| Hongshik Ahn | D. Y. Lin |
| Alfred Balch | Karl K.F. Lin |
| Kathryn M. Chaloner | Pi-Erh Lin |
| Myron N. Chang | Stan C. Lin |
| Yuan-Chin Ivan Chang | Jen-Pei Liu |
| Wei-Hsiung Chao | Shu-Ing Liu |
| Cathy W.S. Chen | W. Y. Wendy Lou |
| Chen-Hsin Chen | Mary S. McPeck |
| Ming-Hui Chen | Tie-Hua Ng |
| T. Timothy Chen | Don Sun |
| Siddhartha Chib | Dongchu Sun |
| Mary Kathryn Cowles | W. Y. Tsai |
| Robert Delongchamp | Sue-Jane Wang |
| L.Y. Deng | Gernot Wassmer |
| Dean Follmann | S. Weerahandi |
| Chao Agnes Hsiung | Teng S. Weng |
| Jason C. Hsu | Peter H. Westfall |
| Mong-Na Lo Huang | Weng Kee Wong |
| H.M. James Hung | Mark C. K. Young |
| Gordon K K. Lan | Daniel Zelterman |
| Mei-Ling T. Lee | Xiao H. Zhou |
| Lung-An Li | |

Membership Committee Interim Report* to Board of Directors (6/7/98)

* (No p-value adjustment is necessary since the committee will not stop running unless the board deems its lack of efficiency.)

By W. J. Shih

We regret to report that the membership committee did very little work so far this year. In 1Q 98 we have discussed issues in how the membership dues may be paid in countries such as Canada and China (mainland and Taiwan). It seems that wise decision needs to be made by the board of directors level as how the fee should be constant or varying with the currency exchange rate. It seemed easy to 'talk' by e-mails than to carry things out. (That's why we need a board and many committees.)

In 2Q 98 we planned to use the opportunity of the Applied Statistics Symposium and workshops to attract new members from universities and industries in the east coast. But we failed to factor in the difficulty of receiving the program information in the mail. In early-mid May, we finally decided not to wait any longer and subsequently called/e-mailed friends in *Johnson & Johnson*, *Merck*, *Novartis*, *Schering-Plough*, *HMR*, (sorry we did not call *Pfizer*) and *Rutgers*, *Columbia*, *Temple*, and *Harvard* (sorry we did not call *Connecticut College*) and urge them 'to visited the web site www.icsa.org for information immediately'. Professors told us their students have already left the campus; students said that they have made plans for the summer. After threatening them not to offer them further internship positions next summer, we did receive some positive responses. By the time this report was read in the board meeting, we would have known how many attendees were new members at this meeting. Of course, any new member was to our credit; lack of new members couldn't be our fault.

The Committee also designed a survey for attendees at this meeting on 6/6/98. (A sample is attached. Shame on you if you did not fill one for yourself by now, but we are always kind enough to forgive volunteers or elected officers.) We hope the information gathered by the survey to be useful for better use of our precious limited resources in planning future ICSA activities. The results will be submitted to the next issue of ICSA Bulletin. (We apologize to Jeff that complex survey techniques will not be applied here.)

One serious suggestion if we may: Our membership directory should be updated annually. The current database system, as we were told, is not efficient as this membership committee is. If so, why not hire a professional data management firm to establish a user-friendly database (e.g. ACCESS). The membership committee or Executive Director can then take it over for maintenance. ICSA does not lack of self-employed members in data management business. (We declare that no one in the membership committee is in the DM business.) Please let us know the board's wise decision on this matter.

Best wishes to all.

ICSA Student Awards and Travel Fellowships International Chinese Statistical Association

The 9th Applied Statistics Symposium for ICSA will be held on June 18-20, 1999 at Georgetown University. For the first time, the Program Committee sponsors the Student Awards and Travel Fellowships. The main purpose of establishing this award is to encourage student members of ICSA to participate and present their research work at the annual meeting.

Qualification: The student must be an ICSA member (or join at the time of manuscript submission), a degree candidate in any term during 1999 at an accredited institute and be able to present the work at the 1999 symposium.

Manuscripts should be prepared double spaced using Biometrics or JASA guidelines for authors. They must be 20 pages or fewer exclusive of tables and figures. Use one inch margin and no smaller than 12 point type. The work must be that of the student and be relevant to applications in a variety of fields including bio-medicine, business, etc. The manuscript could be co-authored with a faculty adviser and/or a small number of collaborators, although the student must be the first author.

Review and Selection Process: The Award Committee will review blinded copies of the submitted manuscripts based on the following criteria:

- The manuscript should be well motivated by an application relevant to specific field(s).
- The methodology developed should be applicable to the motivating problem.
- Inclusion of an application of the proposed methodology to a particular study will be favorably considered.
- Clarity of presentation in writing will be considered as well.

Up to 5 travel award winners will be selected by the Awards Committee chaired by Kung-Yee Liang. All winners will receive a certificate, \$300 for travel and other expenses, and tuition for the short courses of their choice. The winners will be notified by March 15, 1999.

Submission of Manuscripts: Manuscripts should be received and postmarked no later than January 31, 1999. The submission should include

- A cover letter
- One complete title page with author(s), institutional affiliation, mailing address, phone/fax numbers and e-mail address
- Five copies of the manuscripts with only a title, no authors nor affiliation, on the first page.
- Two copies of the ICSA abstract form
- Two copies of the ICSA membership application for non-members (form can be downloaded from <http://www.icsa.org>)

All materials should be mailed to:

**Dr. Timothy Chen, Program Chair
University of Maryland
Greenebaum Cancer Center- Rm N9E28
22 South Greene Street
Baltimore, MD 21201-1595**

Brief Biography of Candidates
候選人簡介

CANDIDATE FOR PRESIDENT-ELECT

HAN, Chien-Pai 韓建佩

Dr. Han has been a Professor in the Department of Mathematics, The University of Texas at Arlington since 1982. He has also served as Associate Editor of Communications in Statistics - Theory and Methods since 1993. Dr. Han received his B.A. in Economics from National Taiwan University in 1958; his M.A. in Statistics from University of Minnesota in 1962; and his Ph.D. in Statistics from Harvard University in 1967. His former positions include being a Specialist of International Advisory Panel-Chinese University Development Project in Summer of 1990; a Professor (1975-1982), an Associate Professor (1970-1975), and an Assistant Professor (1967-1970) in Department of Statistics, Iowa State University; and Dr. Han was a Visiting Assistant Professor in Department of Statistics, Harvard University in Summer of 1970.

Dr. Han has been recognized in Who is Who in America since 1986. He has been an elected member of International Statistical Institute since 1993. He was Member of Editorial Board for Communications in Statistics - Theory and Methods between 1975 and 1992. Dr. Han was elected to the Board of Directors of International Chinese Statistical Association between 1987 and 1992, he also served as Chairperson of the Constitution Review Committee for the International Chinese Statistical Association during 1992-1993. Dr. Han was President (1971-1972) and Vice President (1970-1971) of Iowa Chapter, American Statistical Association. He is a member of the American Statistical Association, a member of Institute of Mathematical Statistics, a member of International Statistical Institute, International Chinese Statistical Association, and a member of International Association of Survey Statisticians.

Dr. Han is specialized in Statistical Inference, Multivariate Analysis and Survey Sampling. His publications include: One book and numerous papers published in Annals of Mathematical Statistics, Annals of Statistics, Biometrika, Biometrics, Journal of the American Statistical Association, Annals of the Institute of Statistical Mathematics, Communications in Statistics, Technometrics, International Statistical Review, Journal of Statistical Computation and Simulation as well as many other peer-reviewed journals.

CANDIDATES FOR MEMBERS OF BOARD OF DIRECTORS

1. CHANG, I-Shou 張憶壽

Dr. Chang is a professor in the Department of Mathematics at National Central University, Taiwan. He received a B.S. from National Tsing-Hua University, Taiwan, and a Ph.D. from Columbia University (1976). He was Chairman of the Department of Mathematics at NCU, a visiting scholar at Stanford University and a visiting professor at Columbia University. He is an elected member of ISI. He has published about 30 papers in AS, JMA, JSPI, SJS, SS, ZW, among others. His research interests are in survival analysis, sequential analysis and medical application of statistics.

2. SHIA, Ben-Change 謝邦昌

Dr. Shia is a professor and chairman at the Department of Statistics of Fu-Jen Catholic University. He got the Ph.D. in Biometrics from the National Taiwan University (Department of Agronomy) in 1991 and his B.S. in 1985. Now his researches focus on Sampling Survey. He is the survey consultant in many places (TVBS poll center, DGBAS Executive Yuan, DGBAS in Taiwan province). He has published in Taiwan native journals close to 80 papers (about solving native problems with statistical technique in many fields). He serves as associate editor for the Journal of the Chinese Statistical Association and the Statistical Committee for the Ministry of Interior, Ministry of Education and National Science Committee.

3. LO, Nancy Chyan Huei 羅黔輝

Dr. Lo is currently a mathematical statistician of Pelagic Fisheries Division, Southwest Fisheries Science Center of National Oceanic & Atmospheric Administration, National Marine Fisheries Service, La Jolla, California. She received her B.S. in Business Administration from National Taiwan University in 1964 and Ph.D. in Statistics from Oregon State University in 1972. She was a visiting professor at National Taiwan College of Marine Science and Technology, Taiwan, ROC between Feb and May 1986. Dr. Lo currently holds a visiting professorship at Centro Interdisciplinario de Ciencias Marinas La Paz BCS, Mexico since 1990. She was the Vice-Chair of ASA San Diego Chapter, 1986-91. She served on

Brief Biography of Candidates
候選人簡介

CANDIDATES FOR MEMBERS OF BOARD OF DIRECTORS

the Fund-Raising Committee of ICSA from 1992-1994, and was the Executive Director of ICSA, 1994-1997.

4. CHEN, Rongdean 陳榮典

Dr. Chen is a statistical manager in Phase IV group at Schering-Plough Co. in New Jersey. He received his B.S. from National Cheng-Kung University at Taiwan in 1977, his M.S. from Ohio State University in 1982, and his Ph.D. in statistics from University of Cincinnati, 1988. Dr. Chen has worked in the pharmaceutical industry for many years and is familiar with applied statistics and data management. He has extensive experience in clinical trials in various therapeutic areas. If elected as a board member, Dr. Chen would like to help ICSA increase the popularity among professional societies.

5. WU, Tzee-Jian 吳鐵肩

Dr. Wu is Professor, Department of Applied Mathematics, National Dong-hwa University, and Associate Professor, Department of Mathematics, University of Houston. He received his B.S. in Mathematics from National Cheng-Kung University in 1972, his M.A. in Mathematics from Wake Forest University in 1976, his Ph.D. in Mathematical Statistics from Indiana University in 1982, and he received an M.S. in Computer Science from Indiana University in 1983. He is an elected member of ISI, a member of IMS and ASA, as well as a permanent member of ICSA. He has published in journals such as Annals of Statistics, Journal of American Statistical Association, Biometrics, Stochastic Processes and Their Applications, Theory of Probability and Its Applications, Sankhya, Ser. A, Annals of Institute of Statistical Mathematics, Journal of Statistical Planning and Inferences, Statistics and Probability Letters, and Canadian Journal of Statistics.

6. YING, Zhiliang 應志良

Dr. Ying is Professor of Statistics and Director of Institute of Biostatistics at Department of Statistics, Rutgers University. His education includes BS (1982) from Fudan University, MS (1984) and PhD (1987) from Columbia University. He is member of ICSA, ASA, International Biometrics Society and

Psychometric Society. He is also a fellow of IMS. Dr. Ying currently serves on the editorial boards of Statistica Sinica, Biometrics and Lifetime Data Analysis. He co-chaired the 1997 ICSA Applied Statistics Symposium. His research areas include theoretical statistics, applied statistics, biostatistics and educational statistics. He has been and will be participating and leading activities that strengthen ties among statisticians from academia, industries (especially biopharmaceutical industry) and research institutions.

7. LUI, Kung-Jong 呂剛中

Dr. Lui is the Statistical Coordinator and Professor of Mathematical Sciences at San Diego State University. He received his B.S. (1975) in Mathematics from Fu-Jen University, Taiwan, R.O.C., his MA (1977) in Mathematics, MS (1979) in Biostatistics, and Ph.D. (1982) in Biostatistics, all from UCLA, Los Angeles. Before joining the faculty at SDSU in 1990, he worked at Centers for Disease Control for over 7 years as a Mathematical Statistician. He has over 75 publications in IEEE Trans., Reliability, Biometrics, Statistics in Medicine, Biometrical Journal, Communication in Statistics-Theory and Methods, Controlled Clinical Trials, Journal of Official Statistical Sciences, Proc. National Academy of Sciences, and many other professional journals in applied statistics, injury control, medicine, and epidemiology. His research interests include survival analysis, inverse sampling, intraclass correlation estimation, categorical data analysis, small area estimation, sample size and power calculation, and statistical modeling.

8. LIN, Dan-Yu 林丹瑜

Dr. Lin is an Associate Professor in the Department of Biostatistics at University of Washington. He received his B.S. from East China Normal University in 1983 and Ph.D. from University of Michigan in 1989. After spending one year at Harvard as a post-doctoral fellow, he joined the University of Washington in 1990. He is currently the Genetech Distinguished Professor in Biostatistics. His areas of research include survival analysis, and designs and analysis of clinical and epidemiological studies. Dr. Lin has published extensively in these areas. He is currently an associate editor of Biometrics.

CANDIDATES FOR CHAIR OF ICSA BIOMETRICS SECTION

James J. Chen, Ph.D.

Dr. Chen is a Mathematical Statistician in the Division of Biometry and Risk Assessment at the National Center for Toxicological Research, U.S. Food and Drug Administration. He received his B.S. degree from Taiwan Tsing-Hua University, M.A. degree from University of Pittsburgh, and Ph.D. from Iowa State University. His research interests are statistical modeling and methods for the analysis of toxicological data from carcinogenesis, teratogenesis, mutagenesis, and chemical mixtures experiments. He has authored or co-authored over 100 papers published in JASA, Biometrics, Statistics in Medicine, Risk Analysis, Environmetrics, Environmental and Ecological Statistics, Communications in Statistics, Statistica Sinica, Biometrical Journal, Journal of Biopharmaceutical Statistics, Drug Information Journal, American Statistician, Journal of Computational and Graphical Statistics, etc. Dr. Chen is a Fellow of the ASA. He is an associate editor of Communication in Statistics, and Co-Editor of the special issue of Communication in Statistics (Volume 27, 6) for the ICSA 1997 Applied Statistics Symposium. He currently serves as the Representative of the Biometrics Section on the Board of Directors of the ICSA.

Frank Shen, Ph.D.

Frank Shen is Director of the Nonclinical Biostatistics Department at Bristol-Myers Squibb Co. in Princeton, NJ. Prior to that, he was Associate Director for the same department, Manager of the Biometrics Research Department at Merck & Co., and Research Statistician at Wyeth-Ayerst Research. Frank has great interest in building the bridge between scientists/engineers and statisticians and has been instrumental in stimulating statistical thinking in the drug discovery process. He is the author or co-author of 15 professional papers in statistical and scientific journals. Frank holds a Ph.D. degree in statistics from Temple University and degrees in chemical engineering from Lamar (M.E.S) and Chung-Yuan (B.E.) Universities. Frank is a member of the ENAR regional advisory board, the symposium chair for the ASA/NJ Chapter since 1995 and the current program chair for the Princeton-Trenton Chapter. Frank also co-chairs the 1997 ASA Spring Research Conference in NJ and a member of the organizing committee for the 1997 ICSA symposium. He is a permanent member of ICSA and SCBA. If he is elected, Frank will proactively promote the image of the biometrics section and reach out to section members enthusiastically.

泛華統計協會 (ICSA) 一九九八年年會 及 聚餐

年會

時間: 一九九八年八月十二日(星期三)下午六點
(Wednesday, Aug. 12, 1998 6 p.m.)

地點: Grand B room, Anatole Hotel, Dallas, Texas.

聚餐

時間: 一九九八年 八月十二日 (星期三) 下午七點三十分
(Wednesday, August 12, 1998 - 7:30 p.m.)

地點: 富豪大酒樓 (310 Terrace Dr., Richardson, TX 75081)

費用: 成人(十歲以上) 每人美金二十五元 (US\$ 25.00, 包括交通費- 專車接送
Anatole Hotel 到富豪大酒樓, 來回);
兒童四到十歲 每人美金十元 (US\$ 10.00), 四歲以下免費.

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蒜茸焗大蝦
薑蔥焗雙龍蝦
清蒸大龍利

餘興: 飯後將有卡拉 OK 助興. 有雷射唱碟的朋友們, 歡迎您們將唱碟帶來與大家共同欣賞. 如有任何問題請和韓建佩教授聯絡:

Professor Chien-Pai Han
Department of Mathematics
University of Texas at Arlington
Box 19408
Arlington, TX 76019-0408

Telephone: 817-272-3798
Fax: 817-272-5802
email: cphan@uta.edu

參加聚餐的朋友們請於 ASA 開會期間前往泛華統計協會 (ICSA) 的櫃檯報名(我們的櫃檯距ASA的註冊處不遠)。請儘早報名, 以便我們估計人數。

**INFORMATION ABOUT 1999 ICOSA APPLIED STATISTICS SYMPOSIUM
June 18-20, at Georgetown University, Washington, D.C.**

I. Program Time Allocation.

Registration desk open at 8 am each day.

June 18, Friday -- Short Courses, 9:00 am -- 5:00 pm.

ICOSA Board of Directors meeting, 6:00--9:00 pm. (closed)

June 19, Saturday -- 8:45 am -- 10:00 pm.

June 20, Sunday -- 8:30 am -- 1:25 pm.

II. Short Courses Presenters.

Gordon Lan (Pfizer), Group Sequential Clinical Trials.

Kung-Yee Liang (Johns Hopkins U), Longitudinal Data Analysis.

Jason Hsu (Ohio State U), Multiple Comparison Methods.

Jun Shao (U Wisconsin), Bootstrap Methods and Individual
Bioequivalence.

Tom Louis (U Minnesota), Bayesian and Empirical Bayes Methods.

III. Invited Sessions Organizers.

Agnes Hsiung (NHRI, Taiwan), Biostatistical Issues in Taiwan.

Alice Hsuan (Janssen), Mentoring Session for Young
Statisticians

Grace Yang (U Maryland), Mentoring Session for Students and Young
Faculties

Dennis Lin (Penn State U), Industrial Statistics

R. S. Tsay (U Chicago), Statistics in Finance

Chihwa Kao (Syracuse U), Econometrics/ Time Series

Jianqing Fan (U North Carolina), Nonparametric Modeling

Minggao Gu (McGill U, CANADA), Bootstrap Methods

Heping Zhang (Yale), Genetic Methods/Epidemiology

Margaret Wu (NIH), Longitudinal Incomplete Data

L. J. Wei (Harvard), Beyond Randomized Clinical Trials

Jeff Wu (U Michigan), Experimental Design for Biopharmaceutics

S.C. Chow (Covalence), Preclinical Statistics

J. P. Liu (NHRI, Taiwan), Bioequivalence

Mei-ling Ting Lee (Harvard), Selected Papers from LIDA

**INFORMATION ABOUT 1999 ICOSA APPLIED STATISTICS SYMPOSIUM
June 18-20, at Georgetown University, Washington, D.C. (Continued)**

IV. Similar to ASA and ENAR meetings, all participants shall register.

Registration fee

\$50 for members of ICOSA, add \$40 membership fee for non-members.

\$0 for student members of ICOSA, add \$20 membership fee for non-members.

Short course fee (in addition to registration fee)

Full-day course, \$175; \$100 for students.

Half-day course, \$100; \$50 for students.

After 5/20/99, change to late fee schedule:

Registration fee

\$60 for members of ICOSA, add \$40 membership fee for non-members.

\$10 for student members of ICOSA, add \$20 membership fee for non-members.

Short course fee (in addition to registration fee)

Full-day course, \$200; \$120 for students.

Half-day course, \$125; \$60 for students.

Short course and registration fee include continental breakfast, lunch,
and coffee breaks. Lunch is included for both full-day and half-day short
courses. Lunch is included for both Saturday and Sunday.

**V. Lodging at Georgetown University dormitory, about \$50 flat rate per
room (single or double occupancy). Private bath in all rooms. Can check
in few days early or leave few days late for sightseeing in D.C.**

**VI. Free banquet in Saturday evening for the invited and contributed
sessions organizers, chairs, and speakers. Others can purchase tickets at
\$25 per person.**

VII. Employer and applicant poster bulletins will be provided.

**VIII. Proceeding will be published and distributed free to participants
after Symposium. Professor William Wei is the chief-editor.**

**IX. Program Committee members: T. Timothy Chen (Chair), Jim Hung, Chang Lao,
Zhaohai Li, Kung-Yee Liang, Karl Lin, Yi Tsong, Mei-cheng Wang, William Wei,
Colin Wu.**

國家衛生研究院生物統計研究組簡介
Division of Biostatistics
National Health Research Institutes (NHRI), Taiwan

前言：

國家衛生研究院成立已兩年半，是國內外之醫藥衛生界共同努力才得以成立，初期建立制度，綜合美國 NIH，英國 MRC 等之優點，並配合國內的需要，在 intramural program 方面，共有 10 個研究組，針對台灣重要醫藥衛生問題以及重要疾病，並配合世界生物醫學發展潮流，共有癌症研究組、臨床研究組(目前以感染症為研究重點)、生物技術與藥物研究組、分子與基因醫學研究組、生物統計研究組(以上五組已陸續成立)，即將成立的尚有精神醫學研究組、老人醫學研究組、環境與職業病研究組、醫療保健政策研究組以及醫學工程研究組。

以下簡介生統組規劃成立之經過、研究任務、研究範圍及近況。

規劃成立之經過：

生統組的正式規劃工作始於 1996 年 3 月，吳成文院長聘請了國內外專家共七人組成了規劃委員會，他們是黎子良院士(史丹福大學)、藍光國博士(美國 Pfizer 藥廠)、梁廣義教授(約翰霍普金斯大學)、魏立人教授(哈佛大學)以及陳珍信博士、戴政博士以及我本人(中央研究院統計所)，刁錦寰院士則是規劃委員會的顧問。規劃委員們經過前後三個月的時間收集資料，撰寫規劃書，並經過充分而慎重的討論，建議國家衛生研究院應成立一獨立的生物統計研究組，將生統研究集中在一組；而非如美國的 NIH，將統計的研究支援分散在各研究所中。大家認為這樣的結構可使得成員有充分的經驗交流以及更快的成長，在資源方面如研究助理、資訊設備等也因資源共享會更加有效率，在推動整體發展時，力量才不至分散。

1996 年尾董事會通過了研究組的設立，1997 年七月經延攬委員會決定組主任人選，九月即開始正式運作。其宗旨在於有效發揮生物統計所扮演之合作與諮詢功能，促使院內及院外推動之研究計畫達成目標，並促進及加強國內醫藥、衛生研究界與生物統計學界的溝通、交流及合作，以提昇國內生物統計人才訓練與研究的水準。

研究任務：

本組的主要研究任務為(1)提供院內研究組在計畫設計及資料分析之合作研究；(2)從事有助於生物醫學研究之統計方法與理論之研究；(3)提

供院外重要研究計畫有關生物統計方面之評估、追蹤及支援；(4)研發與維護院內研究資料管理系統，包括資料處理、品質管制及系統管理；(5)培育國內生物統計人才，促進國內外生物統計工作者之交流；(6)提供院內、外生物醫學研究人員所需生物統計諮詢及教育訓練。

研究範圍：

生統組的研究範圍之一是對院內各組的科學家或臨床研究醫師所執行的研究課題，若有需要數量化方法協助時，提供統計的諮詢與合作研究。特別在臨床試驗的研究方面，統計學家的參與已是不能缺少的部份。在設計時幫忙釐清問題，考慮適當的反應變數，以及有那些干擾因子等；資料分析更是功夫與經驗的累積，要能清楚的看出那些資料對要問的問題提供了重要的訊息，了解有那些可能的方法可針對問題提出解答，如何選擇最恰當的統計方法有效的從資料中抽取訊息。

在生物醫學的合作研究中，無論在設計或分析的階段，現有的一些統計方法可能並不適用，發展新的統計方法與理論是生統組的另一研究範圍。我們將著重在臨床試驗、遺傳研究、流行病學相關的統計方法與理論研究；但也並不只局限在這些範圍，只要可促進醫藥衛生研究發展，研究人員可以有相當程度的自由做方法理論研究。

研究近況：

(一) 院內合作計畫

癌症組的台灣癌症臨床研究合作組織(TCOG)自 1989 年創立以來，即設置統計中心，負責資料處理與統計分析方面的工作，所有的臨床研究均有生統專家參與自設計、執行至分析的工作。到目前為止，已結束收案的臨床試驗有四個，正在進行中的有四個，即將要開始執行的有五個。這些臨床試驗均為多中心的試驗，參與的醫院多，因此統計中心的設立就有其必要性。這也是目前國內惟一的這類單位。中研究統計所的生統學者在過去幾年內有很大的支援。

本組成立後，除繼續上述各項合作研究外，並負責「安全監督委員會」之籌劃運作，監督臨床試驗研究計畫執行之安全性及倫理性。另外，並籌組「稽核委員會」，以查核臨床試驗研究資料之真實性，確保研究品質。

TCOG 目前所推展的一些研究中，除典型的臨床試驗外，也有追蹤性的臨床研究，例如，關於子宮頸癌前病變之 HPV(Human Papillomavirus)之追蹤研究所需的統計方法就與臨床試驗的統計方法有不同的重點。

此外，生物技術與藥物研究組以發展新藥為目標，目前在評估新藥在本地做 Phase I—III 的臨床試驗之可行性；臨床組思考傳統中醫藥的科學研究等，本組亦經由適當的交流，從統計的角度提供諮詢。

因 TCOG 的經驗，我們也受衛生署委託規劃「新藥臨床試驗體系」，協助推動國內臨床試驗的發展。

其他尚有一些在規劃中的與本土公共衛生相關的研究計劃。

(二) 院外合作計劃

關於參與院外重要合作計劃方面，本組目前與美國史丹福大學、夏威夷醫學中心、台灣的台大醫院、榮民總醫院以及三軍總醫院合作一國際型基因遺傳研究計劃，藉由臨床醫學、分子遺傳學及生物統計學的結合，尋找並定出亞裔人種高血壓的遺傳基因。本組擔任此計劃的台灣資料處理協調中心，負責台灣各大醫院研究資料的輸入及品質管理，並參與此計劃的遺傳統計分析及提供台灣各研究醫院的統計諮詢。經由合作研究計劃及資源交流的方式，建立與國內外各大生物醫學研究單位互動的良好模式，以期為推動並提升台灣遺傳醫學的研究有所貢獻。

分子與基因醫學的研究日新月異，也刺激了遺傳統計學的新發展，越來越多醫學研究考慮遺傳的因素，要從根本的基因去了解疾病的發生。國內在遺傳計學方面的人才很少，亟待培養。

(三) 統計方法論研究

在統計理論與方法的研究方面，現階段的研究主要是在臨床試驗相關之存活分析、事件史分析、逐次分析之研究，特別對於再發事件的新模型研究以及家庭資料的轉換模型均有了新的進展。

在臨床研究以及流病研究中，時間變量常是一個重要的指標，又因為資料收集時先天的問題（如存活期、復發期等），會遭遇到不完整資料如設限（censoring）或截切（truncating）的問題，因此存活分析等理論因應著臨床研究所遭遇到問題而發展出恰當的統計方法。若資料型態是更複雜的疾病進展狀態或事件復發模式，則事件史分析法就提供了可能的解答。目前這些方法仍有很大的發展空間，例如建立更具彈性的數學模型，以及模型選取方法的研究等，都值得花功夫。此外，上面提到遺傳研究中家庭資料的產生，因抽樣單位中的個體可能有一定程度的相依性，也使得舊有的一些統計方法有必要再研究。

這個部份的研究隨著組內研究人員增加以及參與研究計劃的多樣性，必會擴展至其他研究領域，例如藥物研究的生體相等性研究亦會是一研究方向。

(四) 推廣與交流

此外，為提昇國內臨床研究素質，生統組並多次邀請國際傑出生統專家來華舉辦研討會，與國內臨床研究學者進行學術交流。組內也經常舉辦討論會，提供組內成員良好的研究環境，促進研究發展之互動。

最近舉辦了「臨床試驗之統計方法及相關 ICH 規範」研討會，邀請了陳達教授、黃克歐博士主講，共有兩百多人參加，來自醫藥界及統計界，反應熱烈。我們最近也舉辦了一系列統計方法研習會，主講者為國內統計學者，針對生統分析常碰到的問題介紹目前較新且重要的統計方法，以拓展國內統計研究工作者在從事資料分析時的視野。

(五) 人才延攬

我們期望每年能延攬到三位優秀的研究人員，預計五年可至十五位。期望在十年內能將國內生統的研究發展推動至國際水準。

期待：

我們希望營造一個環境，是經由彼此的合作而獲得科學的成就，不僅與院內基礎的、臨床的研究工作者合作，也希望與大學以及其他研究機構建立合作關係，共同發展生物統計這個領域，目前我們正在規劃一些可能的合作題材。國內醫藥衛生研究對生物統計的需求很大，我們也將規劃一些 training program，訓練大學的研究生，或對生統有興趣的研究人員。將邀請國際上知名的生統或統計學家來訪問。近代生物統計的發展包括了越來越廣的議題，參與國際的合作研究更能讓我們迅速拓展視野。

生統組的成立是國內外關心生統發展的朋友所深切期盼的，我們更因此感到責任的重大。目前最迫切的工作是延攬有紮實基礎與溝通能力的優秀人才進本組，一起為生統研究的提昇來打拼。希望我們的工作，能對國內生物統計的推展有重要的影響，這也是生物統計研究組的自我的期許。

MEMBER ACTIVITIES (會員動態):

From Ming Tan:

Ming Tan, Ph.D., Associate Staff of biostatistics at the Cleveland Clinic, has joined St. Jude Children's Research Hospital recently as Associate Member of Biostatistics and will be primarily responsible for biostatistics for Phase I-III trials in their solid tumor program. He can be reached at:

Ming Tan, Ph.D.
Department of Biostatistics and Epidemiology
St. Jude Children's Research Hospital
332 North Lauderdale Street
Memphis, TN 38105
Email ming.tan@stjude.org
phone 901 495 3371

From Jiang-Ming (Johnny) Wu:

I will have a new statistical book entitled "Workbook to accompany Using Statistics in the Social Sciences: A Computer Integrated Approach" published in 1998 by General Hall, New York. The original author is Robert C. Rhodes, who is a statistics professor of the University of Texas of the Permian Basin, Odessa, TX 79762. This book is a student reference book which will help students better understand the contents of the statistics textbook mentioned above.

From last June, I joined the consulting company - ACER/EXCEL Inc. and became a statistician.

From Dongchu Sun:

Dongchu Sun of University of Missouri-Columbia has been promoted to Associate Professor with tenure. He will be visiting Hunan University and East China Normal University from June to July of 1998. He will be on sabbatical leave at the National Institute of Statistical Science and Duke University during 1998-1999 academic year.

Good news for Dennis K. J. Lin:

Dennis K.J. Lin, the manager editor of SS, was just promoted to professor.

DONATIONS 捐款人芳名

Between January 1, 1998 and June 30, 1998, we have received donations from:

Cappelleri, Joseph	周 凱瑞
Fu, James	傅權
Li, Gang	李鋼
Lui, Kung-Jong	呂剛中
Qu, P. Roger	曲鵬
Tsay, Jia-Yeong	蔡嘉永
Yuan, Weiyong	袁維穎

We want to thank these members for their donations.

NEW MEMBERS (新會員名單)

We would like to welcome new members who joined between 1/98 and 6/98:

Cappelleri, Joseph	周凱瑞
Chen, Min	
Chen, Song Xi	陳松蹊
Corcorn, Christopher	
Djang, Fred	章正
Duan, Bin	段斌
Hall, Charles	
Hsu, Ming-Chun	許明峻
Hsu-Schmitz, Suh-Fang	徐淑芳
Hu, Xiaoping	
Huang, Jingjuan	
Jin, Zhezhen	金哲振
Lan, Shu-Ping	蔡樹萍
Li, Wenjun	李文軍
Li, Li	李麗
Li, Wendy	
Liu, Ming	
Rodenberg, Cynthia	
Shen, Yu	沈宇
Swindell, Archie	
Tsao, Min	曹敏
Wang, Yining	
Wu, Jane	
Xia, Bokai	夏伯凱
Zhang, Jianliang	

HELP LOCATE MEMBERS WITH ADDRESS CHANGED

We have the following members who paid their membership due up to 1996, 1997, or 1998, but their address changed and hence we can not contact them. Please help us locate these members, if you happen to know him/her. If you have any information regarding these members, please contact

the Executive Director of ICOSA
- Naitee Ting, 198 Spicer Hill Road, Ledyard, CT 06339-1534
Phone (860) 441-4871, Fax (860) 441-3219,
or email TINGN@PFIZER.COM.

Chen, Judy	陳王士鄂
Hwang, Kai-lin	黃凱琳
Leu, Cheng-Shiun	呂政勳
Li, Cathy Q	李群
Li, Kate	李麗紅
Li, Wenlian	李文連
Liao, Qiming	廖其明
Lin, Chen-Sheng	林振聲
Lin, Su-An	林恕安
Liu, Lon-Mu	劉榮木
Lou Kuo-Ren	婁國仁
Luong, Andrew	
Tseng S. T.	曾勝滄
Wang, Helen	
Wu, Chi-Tsung	吳啓聰
Xie, Qun	謝群
Yan, Ying	嚴英
Yang, Yonghong	楊永宏

**International Chinese Statistical Association
Profit and Loss
All Transactions**

	<u>Jun 2, '98</u>
Ordinary Income/Expense	
Income	
Contributions Income	
Unrestricted	530.00
Total Contributions Income	530.00
Membership Dues	7,445.00
Total Income	7,975.00
Expense	
ASA meeting (banquet)	500.00
Bank Service Charges	39.93
Casual Labor	204.00
Licenses and Permits	20.00
Office Supplies	102.16
Postage and Delivery	1,580.06
Printing and Reproduction	1,985.00
Web Page Hosting	264.00
Total Expense	4,695.15
Net Ordinary Income	3,279.85
Other Income/Expense	
Other Income	
Interest Income	1,065.73
Total Other Income	1,065.73
Net Other Income	1,065.73
Net Income	<u>4,345.58</u>

**International Chinese Statistical Association
Balance Sheet
All Transactions**

	<u>Jun 2, '98</u>
ASSETS	
Current Assets	
Checking/Savings	
3 month CD	30,000.00
6 Month CD	25,000.00
Checking	1,372.00
Money Market	9,551.65
Total Checking/Savings	65,923.65
Total Current Assets	65,923.65
TOTAL ASSETS	<u>65,923.65</u>
LIABILITIES & EQUITY	
Equity	
Retained Earnings	61,578.07
Net Income	4,345.58
Total Equity	65,923.65
TOTAL LIABILITIES & EQUITY	<u>65,923.65</u>

**INTERNATIONAL CHINESE STATISTICAL ASSOCIATION**

MEMBERSHIP APPLICATION FORM

泛華統計協會

DATE:

NAME	ENGLISH	LAST	FIRST
	CHINESE		
OFFICE		ADDRESS	
HOME			
CITY		CITY	
COUNTRY		POSTAL CODE	
TEL :		TEL :	
E-MAIL ADDRESS	FAX NO.		
HIGHEST DEGREE	YR. GRADUATED	UNIVERSITY	OCCUPATION (TITLE)
MEMBERSHIP	REGULAR	U.S.\$40	STUDENT U.S.\$20
	Biometrics Section Free		DONATIONS \$
	SPOUSE (50% LESS)		PERMENANT \$400
	SPOUSAL'S NAME:		TOTAL AMOUNT U.S.\$
STATISTICAL AREA OF INTEREST <small>(TICK AS MANY AS YOU LIKE)</small>	A	AGRICULTURE	F HEALTH SCIENCES
	B	BUSINESS/ECONOMETRICS	G PROBABILITY
	C	COMPUTING/GRAPHICS	H SOCIAL SCIENCES
	D	EDUCATION	I THEORY AND METHODS
	E	ENGINEERING	N BIOSTATISTICS
PLEASE MAKE CHEQUE PAYABLE TO: I. C. S. A. INTERNATIONAL CHINESE STATISTICAL ASSOCIATION MAIL THE FORM AND CHEQUE TO: I.C.S.A. c/o Naitee Ting, Ph.D. 198 Spicer Hill Ledyard, CT 06339-1534 U.S.A.			

FORM RF-II 1997

**INTERNATIONAL CHINESE STATISTICAL ASSOCIATION**

MEMBERSHIP RENEWAL FORM

泛華統計協會

DATE:

NAME	ENGLISH	LAST	FIRST
	CHINESE		
OFFICE		ADDRESS	
HOME			
CITY		CITY	
COUNTRY		POSTAL CODE	
TEL :		TEL :	
E-MAIL ADDRESS	FAX NO.		
HIGHEST DEGREE	YR. GRADUATED	UNIVERSITY	OCCUPATION (TITLE)
MEMBERSHIP	REGULAR	U.S.\$40	STUDENT U.S.\$20
	Biometrics Section Free		DONATIONS \$
	SPOUSE (50% LESS)		PERMANENT \$400
	SPOUSE'S NAME:		TOTAL AMOUNT U.S.\$
STATISTICAL AREA OF INTEREST <small>(TICK AS MANY AS YOU LIKE)</small>	A	AGRICULTURE	F HEALTH SCIENCES
	B	BUSINESS/ECONOMETRICS	G PROBABILITY
	C	COMPUTING/GRAPHICS	H SOCIAL SCIENCES
	D	EDUCATION	I THEORY AND METHODS
	E	ENGINEERING	N BIOSTATISTICS
PLEASE MAKE CHEQUE PAYABLE TO: I. C. S. A. INTERNATIONAL CHINESE STATISTICAL ASSOCIATION MAIL THE FORM AND CHEQUE TO: I.C.S.A. c/o Naitee Ting, Ph.D. 198 Spicer Hill Ledyard, CT 06339-1534 U.S.A.			

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INTERNATIONAL CHINESE STATISTICAL ASSOCIATION
泛華統計協會

INFORMATION SHEET

DATE :

RECENT NEWS : (publications, research or teaching activities, job transfer , awards or honors received etc.)

SUGGESTIONS :

I. C. S. A.
198 Spicer Hill
Ledyard, CT 06339-1534
U.S.A.