
TRODENT

BULLETIN OF THE DENTAL ALUMNI ASSOCIATION • UNIVERSITY OF SOUTHERN CALIFORNIA • SUMMER 1989



MARTIN FONG/PHOTOGRAPHY

DR. FRANCOIS DURET, RESEARCH PROFESSOR — pages 4-11

Bulletin of the Alumni Association
School of Dentistry
University of Southern California

Officers & Board of Directors 1988-1989

Howard M. Landesman, D.D.S.
President
Leon M. Ellis, D.D.S.
President-Elect
Allen K. Wong, D.D.S.
Vice President
Eugene Sekiguchi, D.D.S.
Treasurer
Donald P. Tormey, D.D.S.
Secretary
Jean E. Campbell, D.D.S.
Immediate Past President
Jack F. Conley, D.D.S.
Past Presidents Representative
William E. Dahlberg, D.D.S.
Publicity Director
Nancy Whitaker, R.D.H.
Hygienist Representative
Robert F. Emigh, D.D.S.
Director, 1987-89
Gary A. Wullschlager, D.D.S.
Director, 1987-89
Jerry R. Gardner, D.D.S.
Director, 1988-90
Frank Vidjak, D.D.S.
Director, 1988-90

Editorial Board

William E. Dahlberg, D.D.S.
Chairman
Harris N. Done, D.D.S.
Barbara Edwards, R.D.H.
William V. Ridgeway, D.D.S.

Alumni Administration

Susan Levey
Executive Director
Alyce Heath
Assoc. Executive Director
Smith, Bucklin & Associates
(818) 995-7338

Joanne Mayne
Director of Development
Daphne Adams
Assoc. Director of Development
USC School of Dentistry
(213) 743-6464

Martin Fong
Photographer
USC School of Dentistry

In this issue . . .

- | | |
|----|-------------------------------|
| 2 | The President Reports |
| 3 | Wilson's Gift to USC |
| 4 | Dr. Francois Duret |
| 7 | Continuing Education |
| 8 | Interview with Dr. Duret |
| 10 | Interview with J.P. Hennequin |
| 12 | Century Club |
| 13 | Dentistry Associates |
| 13 | Guy Ho Honored |
| 14 | Senior Awards Banquet |
| 16 | Orthodontic Chairman Honored |
| 17 | Commencement 1989 |
| 18 | Halls of Hygiene |
| 19 | Dental Hygiene Symposium |
| 20 | Memorial Fund & Tribute Fund |

The *TRODENT* is the official publication of the Alumni Association of the University of Southern California School of Dentistry. The Association publishes four issues each year and all copy should be sent to the business office of the Association, c/o Smith, Bucklin & Associates, Inc., 5000 Van Nuys Blvd., Suite 400, Sherman Oaks, CA 91403. Telephone: (818) 995-7338.

ON THE COVER:

Dr. Francois Duret, Research Professor in the new Division of Dental Imaging, USCSD, is best known for the development of computer applications for clinical dentistry. Dr. Duret brings with him from France CAD/CAM (Computer Assisted Design/Computer Assisted Machining) — The Beginning of a New Era.

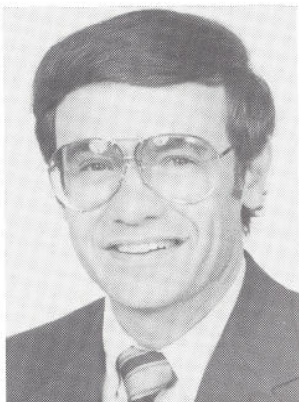
Design & Composition: Casa Graphics, Burbank, CA
Cover: Ernie Weckbaugh, Casa Graphics, Burbank, CA



Member Publication
American Association
of Dental Editors



Recipient of the
Golden Pen Journalism Award
from the International College
of Dentists



Howard M. Landesman

The President Reports

I would like to discuss two different subjects with you at this time. First, the remarkable individual whose picture is on the front cover of this *Trodent* is Dr. Francois Duret of France. Thanks mainly to the efforts of Dr. Jack Preston, Harrington Professor of Esthetic Dentistry, Dr. Duret is now officially a Research Professor at the USC School of Dentistry. Dr. Duret will provide direction for the new Division of Dental Imaging which will be a part of the recently created Department of Post-doctoral Studies. Three years ago, Dr. Preston heard of Dr. Duret's work, they exchanged letters, and in a visit by Duret to Los Angeles, the friendship began.

Dr. Francois Duret is a pioneer in the area of CAD/CAM and other computer applications to dentistry. For at least the next two years, and hopefully longer, Drs. Duret and Preston will pursue many research endeavors on the CAD/CAM system invented and now being perfected by Duret in collaboration with Henson, Inc.

To my way of thinking, this has to be one of the most exciting breakthroughs in clinical dentistry in this century. The thought of a computerized system being able to scan a preparation of a tooth and then eliminate the tedious procedure of impression making is a dream come true for the dentist.

Furthermore, the system is then capable of "milling" a finished restoration of a designated material while the patient awaits cementation at the same appointment.

I encourage you to read Dr. Preston's detailed description in this *Trodent*. Also, mark your calendar to be at the Annual Alumni Day Meeting on Friday, November 17, 1989, to listen to Drs. Duret and Preston's up-to-date presentation on CAD/CAM and other computer applications at USC.

The second item, though substantially different, is also of great importance to alumni. In 1988 all members of the USC Dental Alumni Association and a random sample of non-members were surveyed for the purpose of understanding why alumni join the Association, and what the Association can do to retain its members. The survey was conducted by Smith, Bucklin and Associates, Inc., Market Research and Statistics Division. Five hundred ninety-eight members and one hundred sixty non-members responded. I thought readers of the *Trodent* might be interested in the findings of the survey.

Results of the survey indicate that monetary support to the USC School of Dentistry and the *Trodent* were the most highly rated benefits. *Trodent* is a very well read magazine. The Dean's message receives the highest readership, followed by the President's report and the editorial content. Readership among non-members is also good with one-third to two-thirds of non-members reading any given section.

Scholarships and loans to students were also rated highly. Continuing education is important to current and potential members and many felt that enhancing or expanding the current program would be of benefit in retaining and recruiting members. More than one-half of the members rated the Annual Alumni Day as "excellent" or "good." Twenty-five percent rated it "fair" or "poor," while one-fifth did not have any opinion.

Evaluation of USC Dental Alumni

Association programs and benefits by non-members was similar to members in terms of relative rank order. However, all programs and benefits were rated uniformly lower by non-members, averaging between "fair" and "good."

Fifty percent of the members felt they would support a reasonable dues increase provided that the money was put into association programs. Non-members were asked why they had not joined the Association. Almost one-third felt that current programs and benefits were not worthwhile. Many stated that they live too far away to participate in association activities.

Dues did not appear to be a major deterrent to membership, as less than ten percent of the non-members felt that the current dues are too high. Ten percent also felt that their affiliation with other dental support groups or programs satisfied their obligation to the school.

Because over twenty percent of non-members are hygienists (compared to less than ten percent of the members), it would seem that the introduc-

"Results indicate monetary support to the school and *Trodent* were highly rated benefits"

tion and marketing of some programs appealing to hygienists would help boost and maintain membership.

The results of this survey are still being studied in an attempt to increase membership while at the same time offer alumni the most for their money. The results were of benefit to the 1988-89 Board of Directors in instituting changes such as a complimentary continuing education course for dues paying members, an increased emphasis on the Alumni Day program, an attempt to increase the program appeal to hygienists, and a modest increase of dues by ten dollars.

My sincere thanks to all of you who participated in and responded to the survey. ■

John B. and Helen L. Wilson Give Largest Gift in the History of USC School of Dentistry



John B. Wilson, a retired San Marino orthodontist, and his wife, Helen L. Wilson, have given \$4.4 million to the USC School of Dentistry, to be divided between the school's library learning center and School of Dentistry unrestricted funds. In recognition of their gift, the library learning center will be named in their honor.

The Wilsons' gift, established through a life income agreement, is the largest single contribution ever made to the School of Dentistry. It will count toward *The Campaign for USC*, the University's program to raise \$557 million by 1990.

"The Wilsons have made it possible for the School of Dentistry to build a library commensurate with its high standing in the academic community," said James H. Zumberge, president of USC, who announced the gift. "The library learning center will ensure future dentists a study environment where vast stores of knowledge are at their immediate disposal."

"Through their extraordinary generosity, the Wilsons have substantially enhanced learning opportunities for generations of students and practitioners," added William H. Crawford, Jr., dean of the School of Dentistry. "This gift has also enabled the School of Dentistry to surpass its initial campaign goal."

Founded in 1897, the USC School of Dentistry was the first dental school

in Southern California and today is one of only 10 private dental schools in the United States. A primary source of continuing education for private practitioners in Southern California, the school ranks eighth among the 140 organizations that receive federal grants from the National Institute of Dental Research.

John B. Wilson, a 1936 graduate of USC's School of Dentistry, has devoted much energy to bringing the importance of quality dental care to the attention of legislators. During his career, he served as first vice president of the American Dental Association and was chairman of its Council on Legislation for five years. He has also been president of both the Southern California Dental Association and the Los Angeles Dental Society. Through his involvement in these organizations, he was responsible for the development of the American Dental Political Action Committee, which he chaired for five years, and CAL-D-PAC, the political action arm of the California Dental Association.

Within the University, Wilson has a long history of loyal support. A Life Member of the General Alumni Association, he is a charter member of the Century Club, the dental school support group, and an endowed member of Dentistry Associates, which he chaired for four years. He has served on the Board of Councilors for the dental

school since its inception and served as the board's chairman for two years.

He also supports the USC athletic program and the Andrus Gerontology Center. In 1984, he received an Alumni Service Award from the University's General Alumni Association in recognition of his years of service to the University.

Within the community, Wilson has been active in Rotary International, the San Marino Library Board and the San Marino City Club.

Helen L. Wilson attended UCLA, where she was a member of Pi Beta Phi sorority. She is also a member of the San Marino Guild of Huntington Memorial Hospital and the San Marino Women's Club.

Development Department, USCSD

(Editor's Note: Jack and Helen Wilson currently reside in Indian Wells and Lake Arrowhead, California.)

Dr. Francois Duret

By Jack D. Preston, D.D.S.

— *The Times They Are A' changin'* —

The Tradition of Excellence:

USC School of Dentistry has long been particularly known as a center for the teaching of fine restorative dentistry. USC lecturers have made the school well established around the world. Those who have traveled to other countries can tell of seeing signs and plaques on buildings where dentists announce their attendance at USC along with their nameplate identifying the practice.

USC School of Dentistry has been internationally recognized as a center for learning superior restorative dental care. However, we have been so efficient at teaching these precepts, that we must admit others now do equally as well in preparing their students to provide quality restorative dentistry.

The New Age:

While the school of dentistry has been concentrating on maintaining tradition and accommodating it to the new materials and changing practice environment, other changes have been taking place in our world. We have entered the era of electronics and of applied computer functions.

New terms have found their way into our language — spread sheet, data base, CPU and hard disk. Others may remain mysterious and arcane, — mips, risc, megapixel, or Unix. The computer? — sure, it may be a great help in the front office, but we have always felt that the dentist provides all the knowledge and care in the operatory.

The Challenge of Change:

There have been a very few individuals in the course of history that have the foresight, intelligence, and opportunity to conceive an idea and bring it to fruition at the opportune time. Gutenberg and the printing press, Edison and the electric lamp, the Wright brothers and the flying machine are examples of such people and concepts.

Those who surround these individuals either admired the impact of their ideas and applauded their genius, or denigrated the importance of the invention — choosing to remain unimpeded by new knowledge. After all, change is not always welcome, and the need for adaptation challenges established comfort.

The Beginning of the New Era:

In signing **Dr. Francois Duret**, as **Research Professor** in the new **Division of Dental Imaging**, USCSD has recognized a unique genius and talent, and sought to become the vehicle for his expression and medium for the development of his concepts. With Dr. Duret in a leadership position, USCSD has the unparalleled opportunity to marry a tradition of excellence with a vision into the future.

Dr. Francois Duret brings to USC the genius and the applied innovation that will revolutionize the manner in which we practice our profession. Although he is known to many for a single invention, his active and innovative mind has created many new devices and materials, and he has many more ready to become reality.

The Background:

It was over three years ago that I first heard of Dr. Duret and a demonstration that he had given in Marseilles. Through a mutual friend, I wrote him, and we established a correspondence based on some mutual interests. Two years ago last Thanksgiving, we met for the first time at LAX, and we had dinner with our wives at a nearby hotel. The chemistry for friendship and col-

laboration was established and our correspondence was expanded.

We spoke of Dr. Duret's inventions and their application. We talked of his coming to the United States; he was being besieged with offers from everywhere. Many groups wanted him to lead their research efforts — and many told of what they could do for him. Frankly, I was intimidated by the thought of how USC could attract such a man.

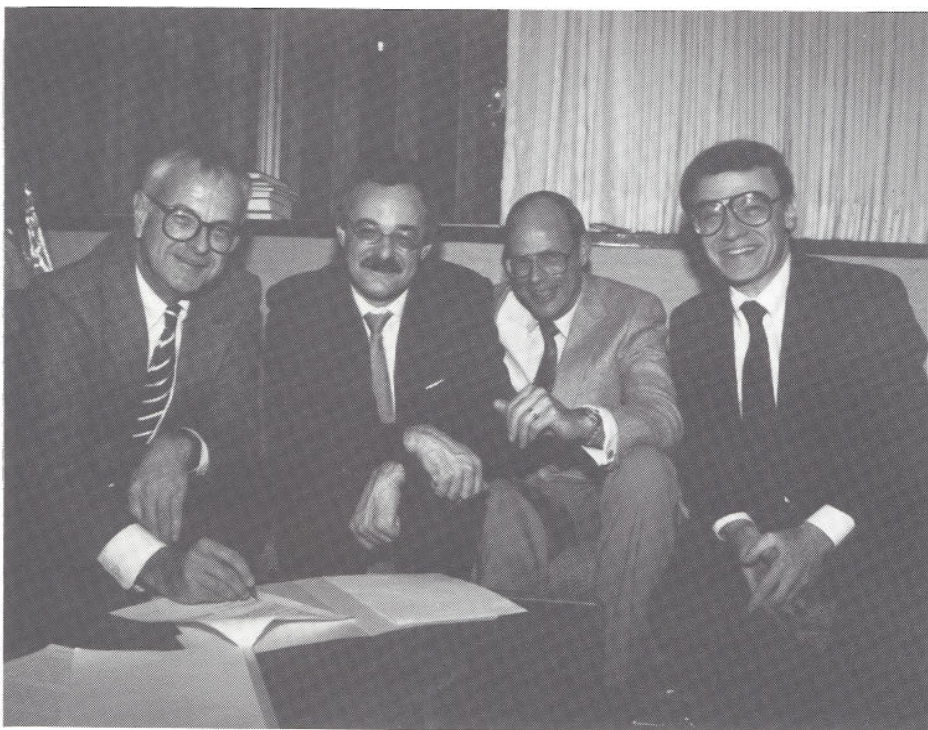
We met more frequently at various conventions and lectures. We began to talk of the heritage of USC and of the future. Finally, we found the basis for his coming to USC, and the decision by Henson Inc., the company that has collaborated in the development of the equipment, to place their international office in Los Angeles made the venture possible.

The Consummation — and the Beginning:

Last December in the office of Dean Crawford, Dr. Francois Duret signed the initial offer to bring him to USC. To me, that signing and our ensuing agreement with Henson is still a bit overwhelming, and I wonder if others are aware of just what this means for the future of our school and our profession.

To Dr. Duret, it was a rebirth of teaching in a dental school. His broad science background had led him into teaching biochemistry and salivary physiology. In addition to his dental degree, he had already earned a masters degree in physiology and a doctoral degree in biochemistry. He has since earned a Ph.D. in human biology (medicine) and a degree for which there is no U.S. equivalent, the *Docteur d'Etat*.

It was over eighteen years ago that he first conceived the idea of an application of laser imaging to making optical impressions of teeth and milling out a restoration. However, his enthusiasm was not shared by his dental school dean who dismissed such thoughts as nonsense — and dismissed the inventor as well. Not everyone has insight.



A special highlight of the year for the administrative faculty was an event marking the signing of a contract by Dr. Francois Duret, founder of the CAD/CAM dental concept, and the USC School of Dentistry. (l to r) USC Dental Dean William Crawford, Dr. Francois Duret, Harrington Professor Jack Preston and Executive Associate Dean Howard Landesman.

Dr. Francois Duret — the Man:

More than recognizing the scientific genius of Dr. Duret, I would like everyone to meet the Francois I have come to know — the man, the scientist, the husband and father. His genius is deeper than most can realize, and the gentleness and sincerity of his humanity beyond that which most of us have ever seen in one person.

His decision to come to Los Angeles represents a boldness that is surprising. To stand with him on the hilltop upon which his home sits and to look over the 270° view of the French countryside (across clean, clear skies) makes one wonder about just how much "culture shock" one family can accept.

Whether discussing fine French wine (he has a beautiful cellar — which he is in the process of inventorying onto his computer) or the functions of government, it is apparent that this is not a uni-dimensional man with a single genius.

The Duret Family:

Similarly, Dr. Elisabeth Duret ("Babette") is a lovely, warm and caring person. She is giving up a practice of dentistry in France to come to the United States with three children — two sons, Fabien, age 12 and Jonathon, age 1, and a daughter, Veronique, age 10. To share an evening in their home is to see the harmonious family unit in tact. To start a new life in the United States is challenging, but all the family has accepted this in the interest of further development.

What Is CAD/CAM?

Although Dr. Duret has a broad scientific background, he is best known for the development of computer applications for clinical dentistry. The term "CAD/CAM" means Computer Assisted Design/Computer Assisted Machining.

In Dr. Duret's application of CAD/CAM to dentistry, a laser probe — a type of intraoral camera — is used to

record a tooth preparation (or preparations) in three dimensions. The laser image is converted from an analogue image to digital ("digitized") in the camera, and the digitized image carried to the computer. The computer displays the preparation on the screen in a form resembling a wire mesh, and allowing an interpretation of three dimensions on a 2-dimensional color monitor. The margin of the preparation is defined using a mouse on a digitizing pad, and the preparation "optically die spaced" to provide space for cement (since there is no expansion of a stone die, this is essential).

Using stored icons (images of the proper tooth) the restoration is developed on the monitor. The adjacent and opposing teeth are also imaged, so proximal contacts and occlusal contacts are also controlled. In fact, many occlusion oriented practitioners will be surprised at the depth of Dr. Duret's comprehension of mandibular movement and occlusal anatomy, and his "articulator" is inside the computer. All aspects of tooth morphology can be controlled.

When the restoration has been designed in the computer, that information is conveyed to an ingenious and unique milling machine. This unit has a series of cutting instruments that can create any form. A block of material is placed into the "CAM" unit and the crown is milled. Both the internal and external form are sculptured. A small remnant of the material holds the completed crown in place, and the last small portion is finished by hand.

Any material that can be machined — metal, composite resin or glass-ceramic can be used. The ability to machine a crown from a computer image will undoubtedly bring about new products for restorative dentistry.

The entire recording-imaging-machining process will consume only about 45 minutes, eliminating the need for provisional restoration, and the restoration is completed in one appointment.

Continued on page 6

Dr. Duret continued:

USC and CAD/CAM:

As Dr. Duret begins his work at USC, new courses will be offered, and new research will begin. The most obvious application will be the opportunity for USC students to work with Dr. Duret in the placing of CAD/CAM generated restorations. Formal classes and programs are being developed, and students will learn theory as well as technique. Under the agreement with Henson, USC will conduct the courses for all CAD/CAM machines sold — becoming the teaching center for this new discipline.

Although the CAD/CAM project is the most obvious one, Dr. Duret's research will be much broader, and many new applications will be coming. The Division of Dental Imaging extends far beyond CAD/CAM, but it is this project that will initially attract the most attention.

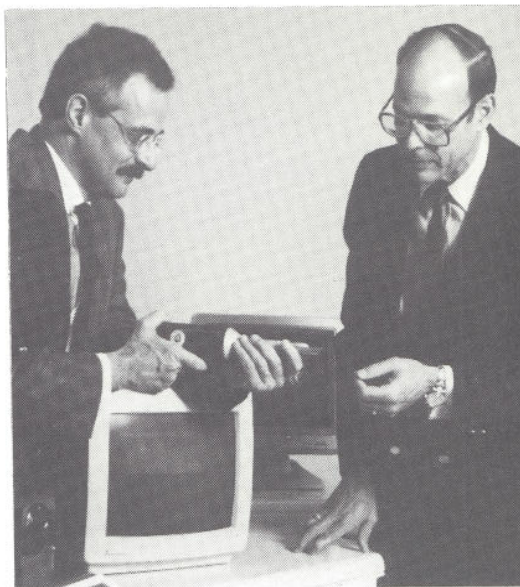
I hope all USC faculty, students and alumni will reach out to welcome the Durets and let them feel the enthusiasm with which their coming is greeted. If we all make use of this opportunity, I am convinced that we will look back on the coming of Dr. Duret to USC as not only the beginning of a New Era for USCSD but for the profession of dentistry, and the name of Francois Duret may eclipse that of another Frenchman — Pierre Fauchard.

In Memorium

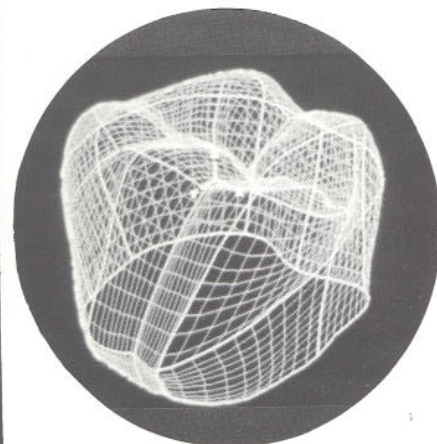
Charles R. Lusby, D.D.S.
1890-1989
Glendale, California
USCSD 1914

Herman B. Maltz, D.D.S.
1909-1988
Fallbrook, California
USCSD 1933

Joseph G. Schurter, D.D.S.
1914-1989
Chatsworth, California
USCSD 1942



(l to r) Dr. Francois Duret explains the CAD/CAM equipment to his friend and USCSD's Harrington Chair Professor Jack Preston.



A
COMPUTER
ASSISTED
DESIGN

STRENGTH

In Numbers

- \$100,000,000** Over \$100 million in assets committed to California dentists.
- \$60,000,000** Loss reserves: claims coverage you can count on.
- 6,750** 55% of CDA's practicing dentists are TDIC insureds.
- 13** Thirteen liability insurance carriers battle for the rest.
- 8** In eight years, TDIC has out-lived seven other carriers.
- 1** Only one best choice in professional liability insurance — TDIC.

Note: Figures calculated and rounded as of January, 1988.

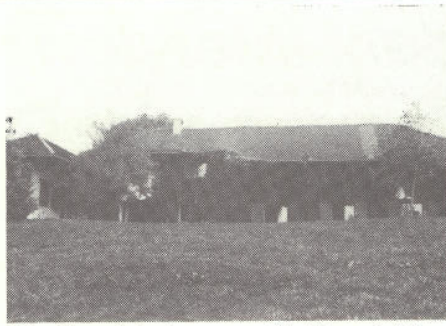
TDIC The Dentists Insurance Company

P.O. Box 1582
Sacramento, CA 95812
(916) 443-0471
(800) 622-0633

TDIC is a wholly owned subsidiary of CDA



Dr. Duret maintains a complete wine cellar beneath his home.



The Duret chateau near the French Alps.



(l to r) Dr. Francois Duret and wife Dr. Elisabeth Duret with Dr. Jack Preston at the door to the Duret home.

News for Chocoholics

There's good news and bad news about chocolate, according to the University of California, Berkeley, Wellness Letter.

First, the good news. Cocoa, the basis of all chocolate, is cholesterol-free. Milk chocolate, however, does have a small amount of cholesterol because it contains a dairy product. A large portion of the fat in cocoa is stearic acid, which new research has shown, may actually lower cholesterol.

Numerous studies have failed to show that even large amounts of chocolate trigger acne. In fact, there's little or no evidence that diet affects this skin disorder.

Some laboratory studies have indicated that cocoa contains substances that may inhibit the bacteria that transform sugar into polysaccharides, which in turn promote plaque formation and, ultimately, tooth decay.

It's not yet known how much of these substances must be present to overcome the effects of the added sugar present in milk chocolate. But, some researchers now suggest that chocolate is less likely to promote cavities than other foods with the same sugar content.

Now for the bad news, which isn't terrible. A recent study found that chocolate may cause heartburn. Researchers found that a chocolate beverage consumed after a meal relaxed the valve between the stomach and esophagus, allowing acids to back up into the esophagus, resulting in a burning sensation.

Also, chocolate contains tyramines, substances that may induce headaches in sensitive individuals.

So crack out those Baby Ruths, Snickers and Hershey bars. Chocolate is clearly not the villain it was once thought to be.

Trodent Deadline

The deadline for the October issue of Trodent is August 15, 1989. Please make a note of this so that your articles, updates, notices and/or advertisements can be included in Trodent. Thank you for your efforts and contributions.

Life Member Pins Available

The USC Dental Alumni Association is pleased to announce the availability of Life Member pins for Alumni Association members. The pins are available for \$10.00 to those who have been dues-paying Association members for 25 years or more. For more information, please contact Alyce Heath at (818) 995-7338 or send a check or money order for \$10.00 payable to the USC Dental Alumni Association to:

USCDA
5000 Van Nuys Blvd., Suite 400
Sherman Oaks, CA 91403

1989 USC Football

UTAH STATE	SEPT. 16
OHIO STATE	SEPT. 23
@Washington State	Sept. 30
WASHINGTON	OCT. 7
@California	Oct. 14
@Notre Dame	Oct. 21
STANFORD	OCT. 28
OREGON STATE	NOV. 4
@Arizona	Nov. 11
UCLA	NOV. 18

HOME GAMES IN BOLD
For phone orders or any other questions
(213) 743-GO SC

Continuing Education

July 13, 14, 15 and
July 21, 22, 1989

"Basic Intravenous Sedation"

Malamed et al,
Faculty USC School of Medicine
35 Units, Category I
(Prerequisites apply)

August 9 to 19, 1989

"Fifteenth Annual Review of Dentistry"

Faculty USCSD, Abou-Rass,
Johnson, Otis, Spector
Kapalua Bay Resort, Maui
Mauna Kea Beach Resort, Hawaii
32 Units, Category I

September 28 to 30, 1989

"Endodontics for the General Practitioner"

Abou-Rass et al
Registry Resort,
Scottsdale, Arizona
9 Units, Category I

November 3, 1989

"Efficacy of Contemporary Orthodontic Treatment"

USC Campus, Davidson Center
Annual Boone Symposium

For additional information:

USC School of Dentistry
Room 160,
University Park, MC 0641
Los Angeles, CA 90089-0641
(213) 743-2844

Trodent Interview with **Dr. Francois Duret**

Research Professor, Division of Dental Imaging

TRODENT: Dr. Duret, the move to USC and Los Angeles has had to come only after a great deal of contemplation.

DR. DURET: This period of observation was necessary to know each other better, to understand USC's structure and work habits and to find out if there was any risk on infringing on each other's freedom. On the eve of my move, I now know that the optimum conditions for success are there and that my family will be able to adjust to the Los Angeles life style.

TRODENT: Dr. Duret, what do you see as the benefits to you in coming to USC to continue your work in computer projects?

DR. DURET: It is difficult for me today to know what benefit I will derive from this collaboration. From past experience, it is a judgment that I will make afterwards. However, I am sure that I will find at USC people with great competence (maybe the most competent in the world) and a great friend whose private and professional values are beyond question, namely, Dr. Jack Preston.

TRODENT: Of course the corollary question to the last one, is what do you see as the benefits to USC?

DR. DURET: I will answer the same way: the future will tell. What I will bring to USC is 18 years of struggle for the acceptance of a concept; the dental CAD/CAM, the experience of a structured education that I created in this field, the deep desire to get my fellow professors and future students interested. I am also bringing Hennson Intl. and the only truly clinical CAD/CAM system.

TRODENT: You have degrees in biochemistry, physiology, and human biology, you took a postgraduate course in periodontology and you have earned your Docteur d'Etat. How do all of these studies in basic science courses relate to your current interest and unique knowledge of computer science and your development of CAD/CAM?

DR. DURET: I started studying Sciences in parallel the second year I entered dental school. I passed my dental examination in June, and my Sciences examinations in September. This was forcing me to compare the scientific developments in both fields. While working on a laser, I quickly thought that one could make impressions the same way holograms are made. The rest was merely a question of patience and experience with my team. The computer was for us a tool that we learned to use over time.

TRODENT: You have a lovely wife, Elisabeth, and three children. What are their thoughts concerning the move to Los Angeles?

DR. DURET: In the small village where we live, and where my wife and I have practiced dentistry for 15 years, my wife Elisabeth was born in the same room where we were married, since the home of my in-laws became the town hall after her birth. This helps explain why we are so attached to our village. It was, therefore, a great surprise for me when she accepted the move to Los Angeles. Until then she had always said "no" to other offers we received. I think the university, Los Angeles, and Jack Preston all have something to do with it. As for my children, the American dream will be come a reality.

TRODENT: You have a beautiful home in the French countryside, and a quiet, peaceful atmosphere. How do you think you and your family will adapt to the vastly different environment of Los Angeles?

TRODENT: Dr. Duret, now CAD/CAM is very new, and somewhat mysterious to the majority of dentists, do you think that it will become a common part of the dental armamentarium? If so, how soon, and in what manner will this occur?

TRODENT: I know you have other projects and inventions that you have developed. Would you discuss some of these for us.

TRODENT: How did Hennson International become the corporate support for your projects?

TRODENT: When most people think of Francois Duret, they think of CAD/CAM — is this what you want to be remembered for, or do you have other goals in dentistry?

TRODENT: Thank you, Dr. Duret. The years ahead promise to be exciting ones, and we shall look for the impact that you will have on the way we all perceive and practice our profession.

DR. DURET: We are obviously very nervous about leaving our warm house in Le Grand Lemps in the Alps. It is certainly our biggest worry, but the University has agreed to let us "recycle" in France regularly. This will reduce our stress level. We will also, hopefully, get help from our friends in Los Angeles.

DR. DURET: It is apparent that Computer Assisted Dentistry will become a common and essential tool in dental offices. I often explain to my students in the dental school in Nice that to produce an object in large quantities, you can speed up production and decrease costs by specializing work groups for certain tasks. Similarly, CAD/CAM will do the same for the production of a unique object by grouping similar tasks. CAD/CAM will be a necessary tool in dental offices because of its perfection, quality and cost.

DR. DURET: I have, indeed, several projects in mind and others in the prototype stage. For example, the spectrophotometer from Betin that we have been developing and testing for a few years, or the Structured Organo-Ceramic material from Spad company that has the same heterogeneous and anisotropic characteristics as the natural tooth. I could also cite the Access Articulator from Hennson. All these projects at the prototype or pre-production stage will come with me to USC. There are others, but I will keep these as a surprise as I wish to develop them in my department at the University.

DR. DURET: Hennson was created within the Holding Hennequin for the dental CAD/CAM project. The beginning of this project was essentially due to the meeting of two friends, one being an industrialist, the other a dentist, together with 3 efficient collaborators: Gilles Dechelette, Jean Jacques Fevrier, and Jean-Louis Blouin. It is basically a story of friendship.

DR. DURET: This flattering thought is normal since it was my first invention and I struggled for it for 18 years. This cost me my position of Professor in a French dental school which rejected the CAD/CAM concept. The early believers remember this fight. In reality, all my work during the last few years has taken a more general direction that I think I will validate at USC. I hope people will remember the latter more, as it seems to me to be really fundamental for dentistry.

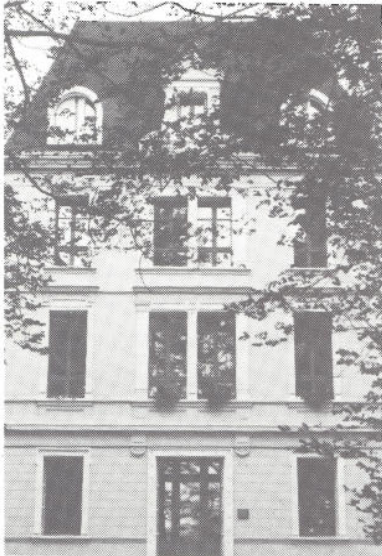
Trodent interview with Mr. Jean Pierre Hennequin

Chairman of the Board, Hennson International

Mr. Hennequin is the chairman of the board of Hennson International, the company that makes the CAD/CAM equipment. Hennson Intl. has entered into an agreement with USC making USCSD the United States university research center, and will be cooperating in a number of projects concerning CAD/CAM in dentistry. This relationship is a very significant one for both USC and Hennson International.



TRODENT: Mr. Hennequin, can you tell us something about the Hennson company and your relationship with Dr. Duret?



Malaisol Castle, Vienne, France, the headquarters of Hennson International

TRODENT: With so much money and time invested in this important project, you must have had to do a great deal of planning to consider letting Dr. Duret move to Los Angeles and to open your office here.

TRODENT: Mr. Hennequin, what are your future plans for expansion and support of the CAD/CAM system?

J.P. HENNEQUIN: Hennson International was created in 1984 to develop and market a system based on Dr. Duret's patents. The industrial group that I manage already had experience in artificial vision. This experience justified our commitment to Dr. Duret who also happens to be a long time friend.

During the first few years, the company's activities were purely research and development without any sales. This has required building up an important structure corresponding to the high level of technology involved and to the fact that this invention has no equivalent in the world today.

In addition to our own financial resources within the holding company, we have attracted a powerful group of French and international financiers specializing in venture capital.

A team of high level engineers has been assembled under the direction of Dr. Duret. This team is responsible for all the hardware and software developments. The philosophy guiding our work is to provide a system perfectly adapted to the needs of dentists. All the involved teams, Research and Development, industrialization, marketing, etc., are constantly striving for a top level of quality.

J.P. HENNEQUIN: From the very beginning, we were convinced that the United States market was the most important for us. This is due to the high quality of dentists, dental laboratories, and dental care as well as the enormous creative capacity found in this country. The very warm welcome that the profession in general has extended to Dr. Duret, and more particularly Dean Crawford, Dr. Preston, Dr. Landesman, and all the people we have had the opportunity to meet at USC has led us to believe that Dr. Duret's creativity would be reinforced in such an environment.

J.P. HENNEQUIN: In our opinion, the Duret system represents an irreversible step for dentistry. The concept of the system offers many other avenues that have not yet been exploited. In its present state, however, the machine is well adapted to the expectations of the profession. Our collaboration with USC will be of great importance for the future evolution of the system and to maintain its technological superiority.

TRODENT: What is the relationship between Hennson and USC?

J.P. HENNEQUIN: From a purely administrative point of view, several documents will establish the formal relationships between Hennson and USC. But I would like to emphasize that beyond these formalities, it is the spirit of our relationship that is important to us. The quality of the dialogue I have had with Dean Crawford has immediately shown me that this relationship will be based on openness and friendship. We hope to reinforce this even more in practice.

TRODENT: As chief officer of Hennson, did you have any difficulty convincing your Board of Directors to make this move?

J.P. HENNEQUIN: An implantation in the U.S. is obviously a break with customs and tradition for a French company. However, we presented such a strong case to our board that their support has not been too difficult to obtain. Nevertheless, substantial risks remain, mainly financial, in the normal course of business. For this reason we will rely on Jean-Claude Haas' dynamism and know-how to develop this business smoothly. We are very ambitious, but 30 years of management and experience also suggests an approach that is prudent and without weakness.

TRODENT: Thank you, Mr. Hennequin, we look forward to seeing the results of your collaborations with USC, and appreciate the opportunity to speak with you today.



Officers of Hennson Intl.: (l to r) Jean Pierre Hennequin, Chairman of the Board; Dr. Francois Duret; Jean-Jacques Fevrier, Chief Financial Officer; Gilles Dechelette, General Manager; Jean-Claude Haas, President, Hennson Technologies, a wholly owned subsidiary of Hennson Intl. Mr. Haas is based in Los Angeles.

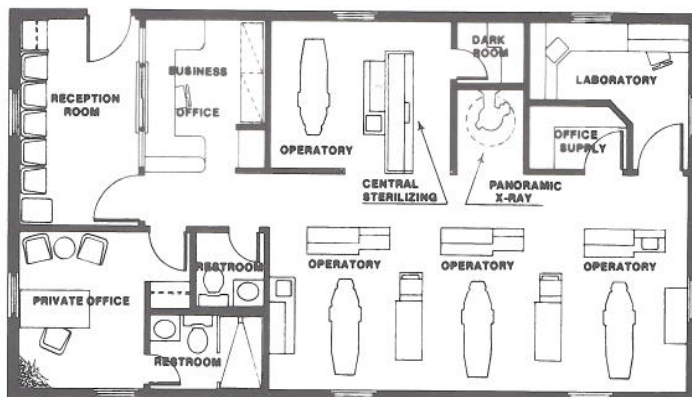
When you're
paying \$40-\$90
per sq. ft.
(with renovations),
expert planning
can save you
up to \$25,000.

How many dental chairs
can stand on the head
of a pin?

If you can solve that one, you can plan a dental office.

Improper use of only 10% of your space could cost you as much as \$25,000 over a 5-year lease. But offices like the one above, planned by Healthco, squeeze maximum efficiency and esthetics out of every square foot.

You get a lot more from Healthco than an office plan. We help you find a location. We work out complete carpentry, plumbing and electrical plans. We work with your contractors, architect, decorator. We carry all major equipment lines and help you select



yours. Our full-time, experienced service technicians install and maintain your equipment. Through HPSC we offer flexible financing, below prime rate, of your equipment and construction, with over 15 customized plans. HPSC is the only company providing financing and related services exclusively to the dental profession.

You get scores of invaluable, indispensable professional services from Healthco. Our experienced, dedicated people provide everything that goes into your office, and everything to keep it running.

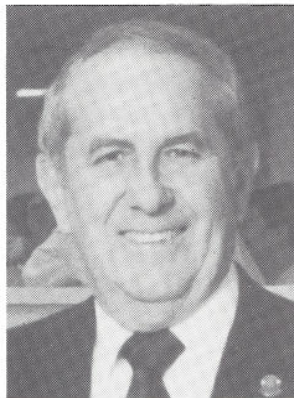


14251 Franklin Ave.
Tustin, CA 92680-7008
(714) 544-5940
(800) 231-5764

21800 Nordhoff St.
Chatsworth, CA 91311-2163
(818) 341-3888
(800) 382-3430

Century Club

President's Comments



George Higue

The Century Club boasts the proud heritage of being the first support group at USC—and probably most other college campuses throughout the United States.

We have currently raised more than \$4 million for the USC School of Dentistry. This includes our current \$1 million pledge toward the Library Learning Center. The last \$35,000 needed to complete our pledge will be available shortly. Be proud that you are a member of this "Million Dollar Club"!

Century Club members may now take advantage of expanded continuing education opportunities. The Century Club now offers a total of 25 units of study, which will meet licensure requirements. Courses are available through the following sources: one course of your choice worth up to \$105 from the USC Continuing Education Department; one half-day course by the C.E. Department exclusively for Century Club members and two additional courses sponsored by the Century Club.

The Century Club Annual Meeting and Installation Dinner was held earlier this year at the Hollywood Roosevelt Hotel. Dr. Joseph P. VanDerMeulen, Associate Vice President of Health Affairs, installed the new Officers and Board members.

Don't forget to pick up your Century Club ribbon and pin at any USC Century Club dental meeting. If you see classmates and friends who are not proudly wearing the Century Club pin or ribbon, don't hesitate to tell them that it's not too late for them to become members. Then, they can join you in wearing the Century Club emblems of distinction. ■

The Century Club Officers and Directors for 1989-1990

President

Dr. George J. Higue

President-Elect

Dr. Hillard L. Torgan

Vice President

Dr. William Frank

Secretary/Treasurer

Dr. Jean Campbell

Immediate Past President

Dr. Edward Deeb

One Year Directors

Dr. Frank L. Flores

Dr. Archie Haljun

Dr. Gregory W. Holve

Dr. Yoshindo Shibuya

Dr. Derick Tagawa

Two Year Directors

Dr. Mark D. Exler

Dr. William R. King

Dr. Shigeo Kishi

Dr. Harold Pessin

Dr. Richard J. Van Gemert

Three Year Directors

Mr. Cliff Guggenheim

Dr. Gregory D. Kaplan

Dr. Calvin Lau

Dr. Ross Prout

Dr. Patrick Tormey

Programs Let Students Try Out Dental Profession for a Week

At least three universities offer high school students the opportunity to become "dentists" for a week, so that they can decide if they want to be real dentists for life, according to a recent issue of *AGD Impact*.

Imagine high school students who have the opportunity to spend one week during the summer in a dental school. They spend the week listening to lectures on dentistry by the school's faculty and learn about the different disciplines in dentistry. In short,

they could have a real taste of dentistry before they go to college.

Oregon Health Sciences University School of Dentistry has offered this type of a program the longest — 22 years.

"Our goal is to give these young people the flavor of what it's like to be a dental student and a practicing dentist in one week," said Jack Clinton, DMD, director of Dental Careers Institute and assistant dean for student affairs. "Of course, we have a few who say, 'Thank God I spent this week here because now I know for sure that I want to be a banker.' But we feel good about that too because as far as we're concerned, we want to help young people make the biggest decision in their lives."

Loma Linda University School of Dentistry also offers a similar program.

"I started this program because over the years I had noticed that there was no

place for students to check out the field of dentistry, short of enrolling in dental school," said Ben Grant, DMD, director of the Loma Linda program. "I have heard students in their junior year say, 'If I had known dentistry was like this I would have never gotten into it.'"

The Baylor College of Dentistry's program is slightly different in that it is a year-round experience, where students visit the dental school once a month and are also invited to stay for a week during the summer.

"Students become aware of what's going on in the dental profession," said Charles Arcuria, DDS, chairman of Baylor Dental Explorers and assistant professor at the university. "We're hoping they could have first-hand experiences rather than just reading something out of a pamphlet." ■



Dentistry Associates



Bruce W. Schutte

Chairman's Remarks

The Dentistry Associates had back-to-back winners! Our annual Black Tie was an elegant evening at the Bistro in Beverly Hills. We dined on a scrumptious dinner and danced the night away. We spent the following weekend on the University campus where we enjoyed cocktails and delicious hors d'oeuvres amidst four Heisman trophies and many other awards in Heritage Hall. Afterwards, we were treated to the USC Drama Department's spectacular production of "Evita."

We all enjoyed "putting on the tails" at the Black Tie. And, of course, we enjoyed spending a few magic moments with the memories of USC's many athletic triumphs amidst the trophies in Heritage Hall. However, my pride and devotion to our great University were heightened after spending an evening with "Evita."

We take great pride in USC athlet-

ics. And, as dentists, we take great and justifiable pride in our School of Dentistry. We have a right to be proud — we are leaders. We can also be proud of the achievements of the University on the whole. It is beyond the scope of this article to explore the exciting accomplishments of the many Schools in the University. Suffice it to say that all are forerunners in their respective fields.

But, I must comment on our Drama Department. Our theater arts are simply magnificent. One very visible way to experience the thrill of USC's vitality is to partake in the music and drama productions presented on campus.

I will never again hear the haunting strains of "Don't Cry for Me Argentina" without welling up with **Trojan Spirit**. Being a part of our great University as a member of tDentistry Associates is a significant and rewarding part of my life. Won't you join me? ■

Guy Ho Honored

Approximately 150 persons filled the room at the Inn-At-The-Park Hotel during the annual meeting of the Pierre Fauchard Academy, an international honor dental organization, held concurrently with the California Dental Association meeting in Anaheim, California.

Guy C. Ho, D.D.S., was the recipient of the Nineteenth Annual Award of the Academy and was presented The Fauchard Plaque by Essayist William S. Frank, a 1985 honoree. Dr. Frank outlined Dr. Ho's many accomplishments as a teacher for 25 years at USC's School of Dentistry, member of USC's Hall of Fame and one who is dedicated to the advancement of the dental profession and the improvement of oral health. Dr. Frank announced that USC's twenty-fifth anniversary class, the Class of 1963, presented funds during the last Alumni Day to Dean Crawford to create a laboratory to be named in honor of Guy Ho.

Shigeo R. Kishi, Southern California Chairman of the PFA, presided over the luncheon and introduced the honored guests including Minoru Horiuchi, president of the International Academy. The new inductees from Southern California were introduced

and installed into the Academy at the conclusion of the meeting.

Dr. Ho was joined in this day of presentation by his wife Elsie, son Steve, daughter Tina, grandson Steve and his cousin from Honolulu.



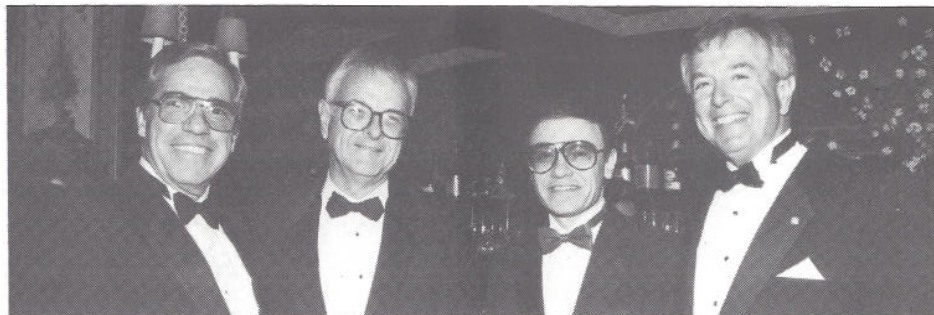
(l to r) Southern California Pierre Fauchard Chairman Shigeo Kishi presents the PFA Plaque to Guy C. Ho as International president of PFA Minoru Horiuchi from Newton Center, Massachusetts assists.

Senior Awards Banquet

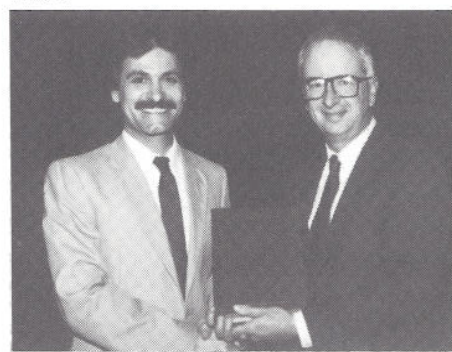
The Sixth Annual Senior Awards Banquet was held the day before graduation at the Sheraton Grande Hotel in downtown Los Angeles. Over 450 graduating seniors in dentistry and dental hygiene, international students and post-graduate students with their parents, spouses and friends gathered to celebrate the conclusion of their courses in special studies at the School of Dentistry. Board members of the various dental support groups attended to add their congratulations.

Following a reception held in honor of the seniors and the formal dinner, awards were presented to those achieving special accomplishments in the various fields of dentistry and recognized for leadership. Recipients were given bas-relief bronze plaques identifying this proficiency.

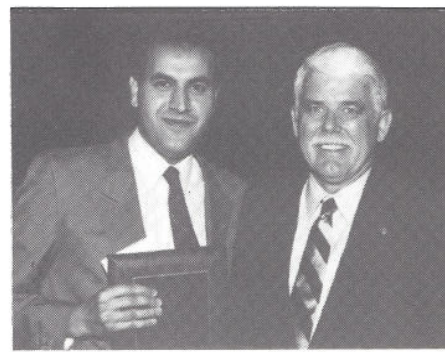
Dean William Crawford welcomed the audience and congratulated those completing their phase of dentistry and wished them well in the years ahead in their practice. The evening concluded with dancing and conversation.



Joining in the festivities of the banquet were (1 to r) Bruce Schutte, president of Dentistry Associates; William Crawford, USCSD Dean; Howard Landesman, Executive Associate Dean and President of the Alumni Association; and Hillard Torgan, president elect of the Century Club.



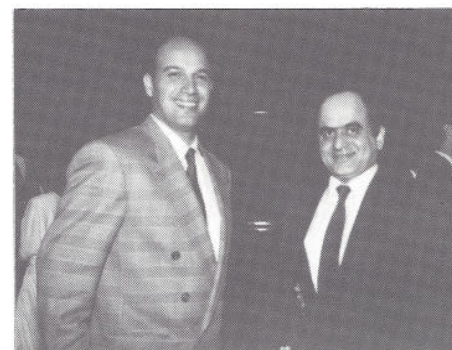
Michael M. Alijani receives the *Robert E. Cruse Memorial Award* from Assoc. Dean Randy Gates for "inspiration to fellow classmates."



Fariborz Rodefshalem receives the *Floyde E. Hogeboom Award* from Assoc. Dean John Sundbye for "achievement in pediatric dentistry."



Operative Chairman Rick Kahn presents the *Rex Ingraham Award* to David P. Choe for "achievement in clinical operative dentistry." Dr. Choe was also the co-recipient of the *J. Walter Reeves Memorial Award* for "achievement in basic sciences."



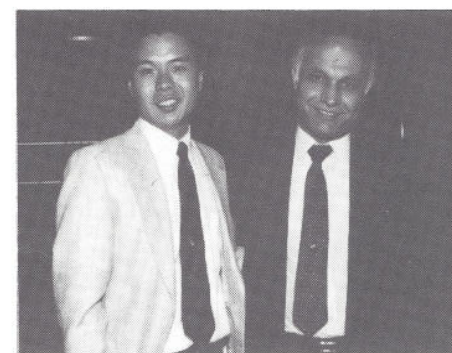
Fariborz M. Bardi receives the *Paul K. Hill Memorial Award* from endodontic faculty member S. Namazikhah for "outstanding achievement in endodontics."



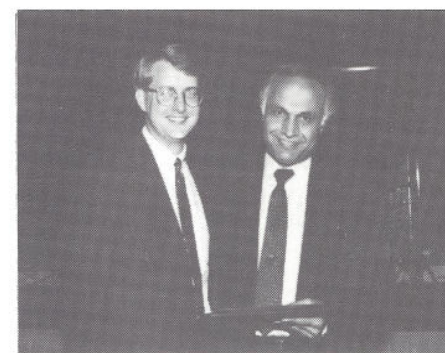
Sang H. Lee receives the *Garrett Newkirk Memorial Award* from Assoc. Dean Gates for "outstanding achievement in the four year program."



Kimberly A. Ebner receives the *Fowkes-Fogel Memorial Award* from pathology faculty member Jan Handlers for "outstanding achievement in oral pathology."



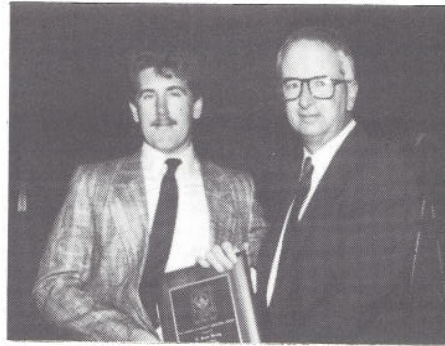
Kenneth K. Lee receives the *Fixed Prosthodontics Award* from faculty member F. Daftary for "outstanding achievement in fixed prosthodontics."



Corry L. Timpson receives the *Charles Pincus Award* for "outstanding achievement in esthetic dentistry" from Dr. Daftary.



Kevin S. McCurry receives the *Julio Endelman Memorial Award* from Assoc. Dean Gates for "The most professional growth and development."



L. Scott Brody receives the *Robert W. McNulty Memorial Award* from Assoc. Dean Gates for "highest academic achievement."



Carolyn A. Browne receives the *Lewis E. Ford Memorial Award* from Assoc. Dean Gates for "promise of leadership and highest standards of professionalism."



Lisa M. Kindt receives the *Cora Ueland Memorial Award* from D.H. instructor Karolyn Waldman for "outstanding achievement in the dental hygiene program."



Monica L. Shaver receives the *Ruth Ragland Clinical Award* from D.H. instructor Peggy Tsutsui for "outstanding achievement in clinical dental hygiene."



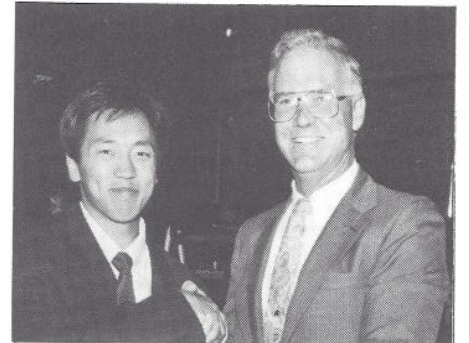
Stephin F. Mann receives the *Thor Award* from Charles Goldstein and Alvin Rosenblum of the Community Dentistry Dept. for "outstanding dedication and service to the handicapped."



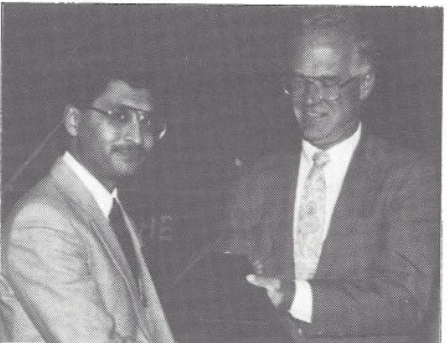
Deborah C. Baker receives the *Century Club Senior Dental Hygiene Student Award* from Club officers George Higue and William Frank for "exceptional service in student and community activities."



Blake M. Mueller receives the *Century Club Senior Dental Student Award* from Drs. Higue and Frank for "exceptional service in student and community activities."



Andre B. Duong is a co-recipient of the *J. Walter Reeves Memorial Award* for "outstanding achievement in basic sciences" received from Assoc. Professor Clyde Leach.



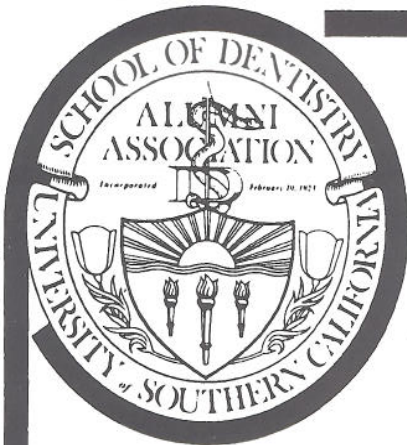
Suresh T. Patel receives the *International Program Award* from Clyde Leach for "outstanding achievement during the 2- year program."



Paul E. Parminter receives the *Dean's Special Recognition Award* from Assoc. Dean Gates for "outstanding service to the school."

NOT PICTURED:

Michele M. Powlan received the *Frank Lott Memorial Award* for "outstanding achievement in prosthodontics."

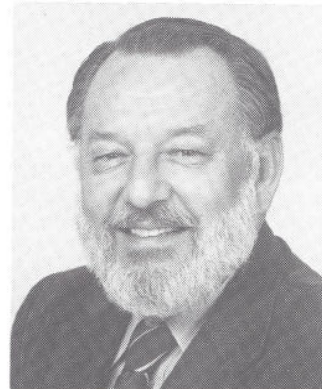


CONGRATULATIONS AND BEST WISHES

- FROM -
THE USC DENTAL
ALUMNI ASSOCIATION

The USC Dental Alumni Association welcomes the "CLASS OF 1989". As a graduating senior we are extending to you a complimentary one year membership in your Association. Be sure and look for your copy of "Trodent" in the mail. We look forward to seeing you at the 82nd Annual Alumni Day Meeting at the Sheraton Grande Hotel on November 17, 1989.

Orthodontic Chairman Honored



Harry Dougherty

Dr. Harry Dougherty, Chairman of USC's Graduate Orthodontic Program, has served as president of the American Board of Orthodontics from 1988 to 1989, has represented orthodontics on the A.D.A. Commission on Accreditation and academics on the A.A.O. Council on Orthodontic Education for three years. More recently, Dougherty has been elected to serve on a Blue Ribbon Committee for the California State Board of Dental Examiners to plan for the future of dentistry in California.

Dr. Dougherty has been elected to receive the Award of Merit, bestowed by the Pacific Coast Society of Orthodontists. The award is given in recognition of service, education and contributions to the science and art of Orthodontics.

The Pacific Coast Society, which includes California, Oregon, Washington, Alaska, British Columbia, Hawaii and Idaho has only bestowed this award twice. The award, a suitable plaque and \$1,000, will be given to Dr. Dougherty on September 24, 1989, at the annual P.C.S.O. meeting in Reno, Nevada.

The faculty, students and friends of Dr. Dougherty are pleased and proud of his accomplishments which bring honor to USC, the Orthodontic Department and to the dental community at large.

Paulette Barrett Interiors *inc.*

(818) 956-0182

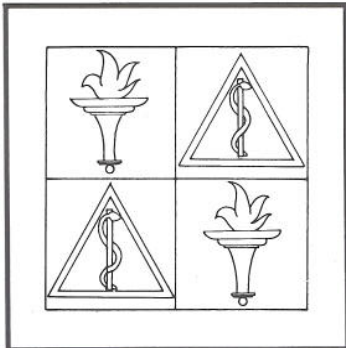
Paulette H. Barrett, A.S.I.D., Specializing in Dental Interiors



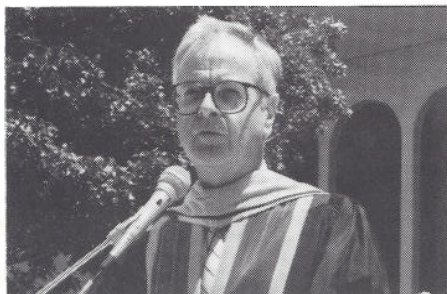
Commencement

1989

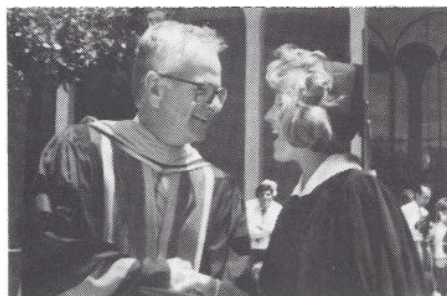
Heraldic Banner "Dentistry"



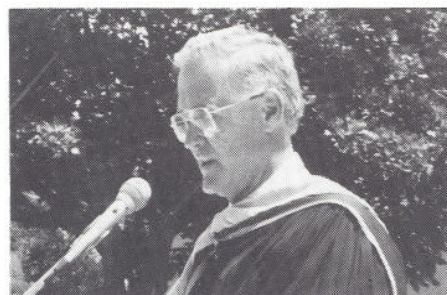
Academic color, lilac. Dentistry, like the other scholarly areas associated with health care, uses the traditional Aesculapian staff and serpent, enclosed, in the case of Dentistry, in a capital Greek letter delta.



Dean William Crawford welcomes new graduates and their guests.



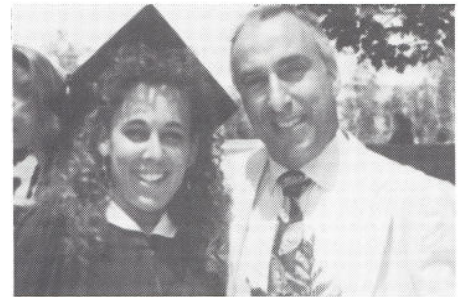
Dean Crawford presents a diploma to a happy hygienist.



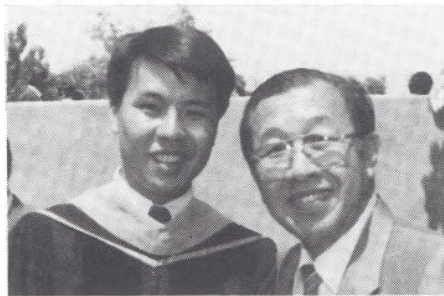
Associate Dean Clyde Leach presents the commencement address for the School of Dentistry.

USC Dental Alumni Families

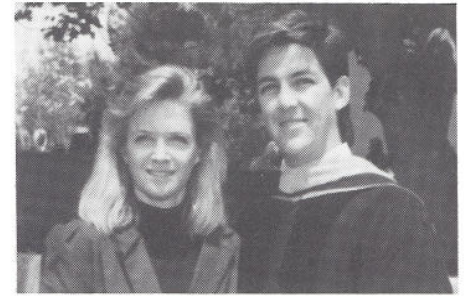
USC School of Dentistry graduated 150 dental professionals during a ceremony held this year adjacent to Heritage Hall. A great number of our students are the sons, daughters, sisters and brothers of many of our own alumni. It is this kind of loyalty and tradition among the outstanding families of our students that maintains the quality of both our students and the dentists in our great community.



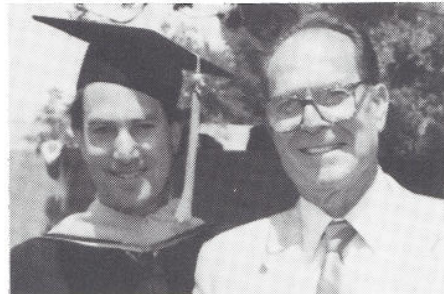
Malame Reims (RDH '89) and her father Joel Reims (DDS '62).



Kenneth K. Lee (DDS '89) and his father James D. Lee (DDS '71).



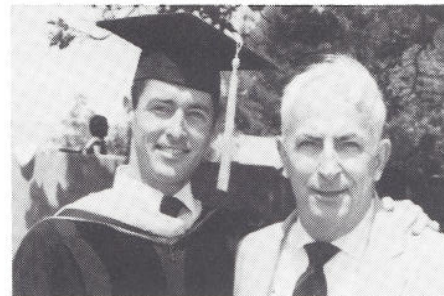
Vicki Montana (RDH '85) and her husband Mark Montana (DDS '87, Adv. Pros. '89).



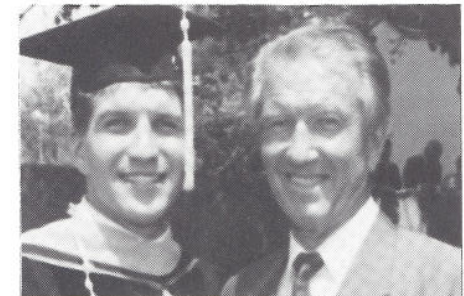
Alan Cooperman (DDS '89) and his father Harvey Cooperman (DDS '58).



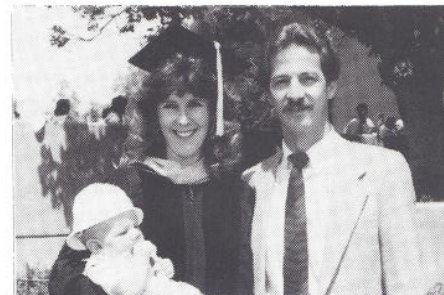
Paul Parminter (DDS '89) and his father H. Eldon Parminter (DDS '60).



James P. McAndrews (DDS '89) and his father John McAndrews (Ortho. '56).



Robert Nisson (DDS '89) and his father LeRoy N. Nisson (DDS '46).



Carolyn Browne (DDS '89) and child with her husband Robert Havis (USC '79).



Brian Snaer (Class '90), mother Mary Snaer (Education '57), Kevin Snaer (DDS '89) and father William Snaer (DDS '58).

HALLS OF HYGIENE



Welcome Class of 1989!

Congratulations to all of you recent hygiene graduates. I hope you find the rewards and satisfaction in your hygiene profession that I have these past ten years. I'd like to welcome you into the USC Dental Alumni Association. Your first year's membership dues are waived, and hopefully you'll become active members in the years to follow.

Please plan to attend the Annual Alumni Day to be held at the Sheraton Grande Hotel in downtown Los Angeles on Friday, November 17, 1989, the day prior to the infamous USC-UCLA football game.

The great Class of 1979 is having their 10-year reunion in conjunction with Alumni Day. Special luncheon seating for classmates and guests will be arranged. Everyone is welcome to a "happy hour" immediately following the key-note speaker. There has been some talk of margaritas at El Cholo's, so plan on staying for dinner. Please call Megan Johanson for suggestions or any questions at (213) 823-3918.

Nancy Whitaker
Dental Hygiene Representative

Three Dental Hygienists Are Freshman Dental Students

by Nancy Whitaker



Class of 1992 dental students, (l to r) Georgina Gonzales, Laura Martin and Linda Ngo.

The USC School of Dentistry now has three dental hygienists in the freshman class. Georgina Gonzales, Laura Martin and Linda Ngo, all former practicing dental hygienists, have put down their "curettes" to start the program leading to a D.D.S. degree at the school.

Last year, Executive Associate Dean Howard Landesman made it known that he was looking for a larger number of well-qualified students to apply to the D.D.S. program and felt that dental hygienists could add to that pool of talented applicants. These three hygienists applied and were accepted into a D.D.S. pilot program for hygienists instituted by Dean Landesman. His theory was that hygienists should make excellent dentists. They obviously have the intellectual and manual skills, know how to communicate with patients ef-

fectively and certainly know what it takes to be successful in the profession.

"So far, the pilot program is meeting all of our expectations," says Landesman. "Ms. Gonzales, Martin and Ngo are performing in excellent fashion in their classes and appear to grasp the concepts rapidly because of their previous experience in dentistry."

According to Dr. Randy Gates, Associate Dean for Admissions and Student Affairs, the pilot program is so successful that there are a large number of hygienists who have applied to the class beginning in September, 1989. Any dental hygienist with a possible interest in this program should contact the Office of Admissions and Student Affairs at (213) 743-2841 for further information.

Dental Hygiene Symposium

The Ninth Annual Dental Hygiene Symposium for the *Ruth Ragland Endowment Fund* was held recently at the University Hilton. This was the most successful Symposium yet, raising more than \$5,000 for the Endowment.

Many well-known instructors and researchers made presentations concerning "Osseointegration and the Periodontium: The Hygienist as a Member of the Implant Management Team" to a captivated audience of nearly 250 dental professionals and students. Ms. Debbie Steel, R.D.H., joined Drs. Marvin Canter, Stanton Canter, Jeffrey Foltz, Robert Shuken, Amerian Sones and Mark Spector in creating a program that was both interesting and informative.

This program was made possible through the generous support of Nobel-



The recent Dental Hygiene Symposium included these professionals: (l to r) Ms. Anna Pattison, USCDH Chair; Dr. Jeffrey Foltz; Ms. Debbie Steel, RDH; Dr. Marvin Canter; Mrs. Ruth Ragland, former USCDH Chair; Dr. Stanton Canter; Dr. Robert Shuken and Dr. Mark Spector.

pharma USA, Inc., John O. Butler, Co., Procter & Gamble and Rota-Dent.

The event was coordinated by Ms. Anna Pattison, Chair of Dental Hygiene, in conjunction with the Colleagues in Dental Hygiene, the support group for the USC School of Dentistry, Department of Dental Hygiene.

The Colleagues in Dental Hygiene

would like to extend an enthusiastic invitation to all dental professionals who are interested in the enhancement of dental hygiene through the support of university-based research. If you would like more information about membership in this exciting and rewarding support group, please call (213) 743-6464.

Special Trojan Discount Offer!

Latex Patient Examination

GLOVES

Non-Sterile Ambidextrous

595
Box
100

Minimum order
one case/20 boxes

AMERCAL™ MEDICAL SUPPLIES
1335 N. Knollwood Circle, Anaheim, CA 92801

• IMMEDIATE DELIVERY

• LOW COST

• HIGH QUALITY LATEX

• MIXED SIZES,
NO CHARGE

• QUANTITY
DISCOUNTS

Call:
(714) 761-5158
Stan Schultz
USC Grad
President

TROJAN VIDEO GOLD COLLECTOR SERIES

VOLUME ONE: 1888-1959 A nostalgic look back at the early years of Troy.

VOLUME TWO: 1960-1986 This volume begins with the arrival of Coach John McKay and features 5 national championship teams, 4 Heisman Trophy winners and 68 first team All-Americans.

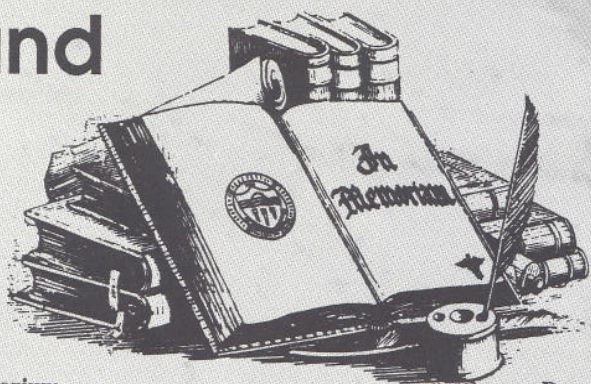
VOLUME THREE: CROSTOWN—THE USC-UCLA RIVALRY A fun and exciting look at the history of the greatest crosstown rivalry in college football.

Quantity	VHS	BETA	Name _____
_____	Volume 1 @ \$39.95 each	\$ _____	Address _____
_____	Volume 2 @ \$39.95 each	\$ _____	City _____ State _____ Zip _____
_____	Volume 3 @ \$39.95 each	\$ _____	Day Telephone (____) _____
_____	SPECIAL OFFER: All Three Volumes for only \$100.00	\$ _____	<input type="checkbox"/> Enclosed is my check or Money Order payable to Trojan Video Gold. Charge to my <input type="checkbox"/> VISA <input type="checkbox"/> Mastercard
<input type="checkbox"/> Proceeds Benefit USC Athletic Programs	Sub Total	\$ _____	Card # _____ Exp. Date _____
	Sales Tax (6.5%)	\$ _____	Signature _____
	Shipping and Handling	\$ 3.00	
	TOTAL	\$ _____	
	All sales final - allow 2-3 weeks delivery.		

SEND ORDER FORM TO: TROJAN VIDEO GOLD
USC Athletic Department, Heritage Hall 203A
Los Angeles, CA 90089-0602

TO ORDER BY PHONE, CALL (213) SC VIDEO 728-4336

Memorial Fund



In Memorium

Dr. John D. Abbey, Sr.
 Dr. Howard Bachrach
 Don Berkus
 Charles Boasberg
 Dr. Horace W. Bull
 Dr. William Cage
 Dr. John W. Camphouse
 Dr. John W. Camphouse
 Dr. John W. Camphouse
 Dr. John W. Camphouse
 Dr. John W. Camphouse
 Dr. John W. Camphouse
 Mrs. Ruth Cardwell
 Dr. Wilson Chase
 Rebecca Singleton Chenault
 Leno Coda
 Dr. Dave Collier
 Jim Contratto
 Dr. G. Byron Cosgrove
 Dr. G. Byron Cosgrove
 Dr. G. Byron Cosgrove
 Min Cox
 William Crosby
 Paul E. Dahlberg
 Paul E. Dahlberg
 Paul E. Dahlberg
 William Del Campo
 Adam Diehl
 Joe DiGiorgio
 Mrs. Margaret Donald
 Mrs. Margaret Donald
 Morley Drury
 Doris Endeman
 Ernest Epley, Jr.
 Chet Farrar
 Alma Figge
 Tandi Foliott
 Mrs. Elizabeth W. Folsom
 Ronnie Fondell
 Dr. Oscar L. Gabriel
 Anthony Gerome
 Mrs. Ted Gettinger
 Mrs. Doll Glau
 Harold Hacker
 Dr. Robert Hamilton
 Albert B. Harris
 Coralie Hartman
 John E. Hawkins

Donor

Dr. William E. Saltz
 Dr. & Mrs. Richard Frampton
 Dr. Dennis W. Saffro
 Dr. Dennis W. Saffro
 Dr. John A. Watson
 Dr. & Mrs. Howard Burns
 Dr. & Mrs. C. Dean Hammans
 Dr. & Mrs. Robert S. Jones
 Dr. Ralph L. Kofed
 Dr. & Mrs. William Kott
 Dr. John O. Whitaker
 Dr. & Mrs. Norman A. Whytock
 Dr. & Mrs. Herbert Folsom
 Dr. & Mrs. Reynold Foutz
 Dr. & Mrs. Marlin H. Jenkins
 Dr. & Mrs. Herbert Folsom
 Dr. Bevard J. Cassidy
 Dr. & Mrs. Joe Brockman
 Dr. & Mrs. Eugene Chapman
 Julie S. Cosgrove
 Dr. & Mrs. John Faia
 Dr. & Mrs. George Telford
 Mary Pierce
 Dr. & Mrs. William E. Dahlberg
 Dr. & Mrs. John Spaulding
 Ernie & Patty Weckbaugh
 Dr. Herbert E. Barthels
 Dr. & Mrs. Jack F. Conley
 Dr. Lewis L. Davis
 Dr. Bruce Adams
 Dr. & Mrs. John W. Spaulding
 Mrs. Norma L. Maltz
 Dr. & Mrs. Philip Armstrong
 Dr. Jack G. Seymour
 Dr. Richard S. Cowan
 Dr. Richard S. Cowan
 Dr. & Mrs. Silvio Flippelli
 Mr. & Mrs. John Hryse
 Dr. Dennis W. Saffro
 Dr. Herbert F. Gabriel
 Dr. & Mrs. Dennis Saffro
 Dr. Eugene H. Dyer
 Dr. & Mrs. James W. Perkins
 Dr. & Mrs. Herbert Folsom
 Dr. & Mrs. Ronald J. Zamarin
 Dr. William O. Muff
 Dr. & Mrs. Herbert Folsom
 Dr. William O. Muff

In Memorium

Angela Hinds
 Dr. Dudley Hoiem
 Dr. Dudley Hoiem
 Dr. Dudley Hoiem
 Dr. Dudley Hoiem
 Dr. Dudley Hoiem
 John Frederic Holm
 Dr. Clarence Honig
 Dr. Spike Honig
 Mable Horany
 Mable Horany
 Nellie Huntington
 Maurice Hyman
 Mrs. Grace Jenness
 Jo Jesperson
 Adrai Jones
 Harvey Kobrin
 Dr. Walter B. Lett
 Esther Lewis
 Dr. Ernesto Lopez
 Sandra Lovelace
 Arthur G. Lund
 Dr. Charles R. Lusby
 Mrs. Louise Macley
 Dr. Herman B. Maltz
 Dr. Herman B. Maltz
 Dr. Herman B. Maltz
 Dr. Herman B. Maltz
 Dr. Herman B. Maltz
 Walt Mathis
 Dr. Wally May
 Dr. Leo G. McBride
 Dr. Leo G. McBride
 Dr. Leo G. McBride
 Dr. Leo G. McBride
 Dr. Leo G. McBride
 Lloyd O. Miller
 Lloyd O. Miller
 Dr. Joseph A. Mozer
 Dr. Joseph A. Mozer
 Dr. Siegfried Munch
 Arland Murray
 Wes Muzik
 Irene Pevoteaux
 Aline Peyton
 Dr. Lyle Rathbun
 Dr. William T. Rice
 Dr. William T. Rice
 Dr. William T. Rice
 Dr. Leon Roberts
 Dr. John Ronnau
 Dr. John Ronnau
 Dr. John Ronnau
 Nelson Roscoe
 Dr. John Rottmann
 Louise R. Schiveley
 Barbara Schorow
 Dr. George Schukard
 John V. Sellens
 John V. Sellens
 Marjorie Shrimpton
 Owen Simpson

Donor

Mary Sue Pierce
 Dr. I.T. Donaldson
 Dr. Ernest Fritcher
 Dr. & Mrs. John Kennedy
 Dr. & Mrs. James E. McBride
 Dr. & Mrs. R.A. Williamson
 Dr. & Mrs. Jack Tylicki
 Dr. & Mrs. Spurgeon Kunkel
 Dr. John O. Whitaker
 Dr. & Mrs. Louis Herbers
 S.C. Seminar Group
 Dr. & Mrs. Robert Huntington
 Dr. Dennis Saffro
 Dr. William O. Muff
 Dr. & Mrs. James W. Perkins
 Dr. & Mrs. Herbert L. Folsom
 Dr. Dennis W. Saffro
 Dr. & Mrs. Bernard Faubion
 Dr. Harry Cimring
 Dr. Steven Kunihiro
 Dr. & Mrs. Herbert Fawcett
 Dr. Steve M. Lojeski
 Dr. & Mrs. William Dahlberg
 Marye L. Deo
 Dr. Keith A. Anderson
 Dr. & Mrs. Ernest Donlou
 Dr. Kirk K. Klopp
 Dr. & Mrs. Robert D. Mercer
 Dr. & Mrs. Marcus Weiss
 Dr. Alfred H. Kaino
 Dr. John O. Whitaker
 Dr. & Mrs. Russell Bassett
 Dr. & Mrs. Merle B. Davis
 Dr. & Mrs. James E. McBride
 Retired Dentists Association
 of Leisure World
 Dr. Bill Walker
 Dr. Richard S. Cowan Family
 Dr. Lloyd O. Miller Jr. Family
 Dr. & Mrs. Reynold Foutz
 Mrs. Irma S. Mozer
 Dr. Kirk K. Klopp
 Dr. Richard J. Mehren
 Dr. Richard S. Cowan
 Dr. & Mrs. R.N. Gallanes
 Dr. & Mrs. Robert D. Mercer
 Dr. & Mrs. Sydney Dewhurst
 Bible Class—Class of '37
 Dr. & Mrs. Sheldon Brockett
 Dr. & Mrs. James P. Verneti
 Dr. & Mrs. Richard Kahn
 Dr. & Mrs. Francis Conley
 Dr. Hugo J. Ferlito
 Dr. & Mrs. Robert J. Hubbert
 Dr. L.L. Davis
 Dr. & Mrs. E. Boyd Thompson
 Dr. & Mrs. Herbert Folsom
 Dr. Harry Cimring
 Dr. Morris B. Gluck
 Dr. Thomas H. Birney
 Dr. Robert E. Huntington
 Dr. William O. Muff
 Dr. & Mrs. Reynold Foutz

In Memorium

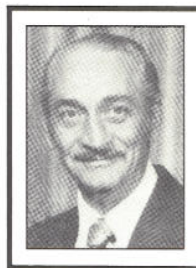
Alice Slater
 Dr. Kiyoshi Sonoda
 Dr. Kiyoshi Sonoda
 Dr. Kiyoshi Sonoda
 Dr. Kiyoshi Sonoda
 Dr. Kiyoshi Sonoda
 Dr. Kiyoshi Sonoda

Dr. Max Sosin
 Dr. Max Sosin
 W.D. Sparks
 Abe Sternfeld
 Grace Stoeger
 Mrs. Lucille Stricklen
 Mrs. Leah Sutton
 Dr. Arthur M. Swanson
 Dr. Fred Tamanaka
 Hubert G. "Mike" Toll
 Mrs. Olive Ward
 Al Wolpert
 Dr. Charles Yoon
 Tatsuo Yorita
 Sheila Xenos
 Oliver J. Zobelein

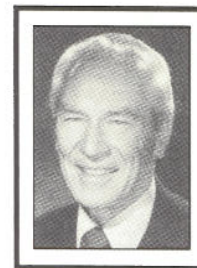
Donor

Dr. & Mrs. H. Richard Cox
 Dr. & Mrs. Kwai Lum Choy
 Mrs. Sadako Ishizaki
 Dr. William M. Jow
 Dr. Shig Kawanami
 Dr. Ken K. Sakaida
 West Los Angeles Japanese-
 American Citizens League
 Dr. Stephen Schonfield
 Sosin Prosthetic Study Club
 Dr. & Mrs. George Telford
 Dr. & Mrs. Richard Frampton
 Dr. & Mrs. Herbert Folsom
 Dr. L.L. Davis
 Dr. & Mrs. Herbert Folsom
 Dr. A. Lloy Swanson
 Dr. Jack Wolfrom
 Bonnie Houser Toll
 Dr. & Mrs. Douglas F. Snow
 Dr. Lawrence J. Warner
 Dr. & Mrs. Larry J. Dermody
 Dr. Derick T. Tagawa
 Dr. Robert L. Olson
 Dr. & Mrs. J. Lorenz Jones

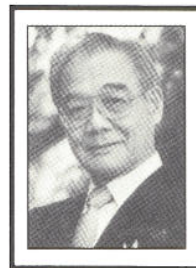
Masters and Legends of Restorative Dentistry



James P. Verneti, DDS



Rex Ingraham, DDS



Guy C. Ho, DDS



Raymond M. Contino, DDS

Tribute Fund

In Tribute To

Dr. & Mrs. Sheldon Benjamin
 Congratulations-Wedding
 Shelly Benjamin
 "Speedy Recovery"
 Dr. George N. Boone
 Congratulations-USC Board of Trustees
 Dr. Jean E. Campbell
 Congratulations on excellent job
 as Alumni President
 Dr. William H. Crawford
 Excellent Dean
 Dean William H. Crawford
 Tribute
 Editorial Staff of Trodent
 Good Job
 Mayor Frank Fasi-Hawaii
 Speedy Recovery
 Dr. George J. Higue
 Century Club President—Congratulations
 Dr. Guy Ho
 Tribute
 Dr. Rex Ingraham
 Tribute
 Ruth Ragland
 Tribute
 Amy Michelle Rosenblatt
 Congratulations—Bat Mitzvah
 Dr. Moon-Aung Wu
 Get Well Soon

Donor

Dr. & Mrs. Richard Kahn
 Dr. & Mrs. Leo Roberts
 Dr. John O. Whitaker
 Dr. John O. Whitaker
 Dr. Eugene Dyer
 Dr. John O. Whitaker
 Dr. John O. Whitaker
 Dr. Stanley Yanase
 Dr. John O. Whitaker
 Dr. Ralph L. Kofed
 Dr. Ralph L. Kofed
 Sandra Frey Geiber
 Patricia M. Okada
 Dr. Stanley Yanase

The Spring Scientific Session of the California Dental Association recently opened this year's event with several symposia in the Anaheim Hilton Hotel. Four of USC's "Masters and Legends" of restorative dentistry conducted an all-day dynamic program representing over 180 years of experience in dentistry. These special guest speakers, James Verneti of Coronado (USC 1937), Guy Ho of Los Angeles (USC 1940), Rex Ingraham of Glendale (USC 1941) and Raymond Contino of Laguna Beach (USC 1945), presented a significant program.

Jim Verneti led the discussion, dressed in a stylish jogging suit, noted various experiences personally used to stay fit during retirement. Guy Ho followed, and in typical Ho style replete with chalk drawings fit for a textbook, examined and discussed fixed prosthetic preparation design. Rex Ingraham continued after lunch by discussing one of his favorite topics—Occlusion, and, of course, Rex excited his audience with a myriad of slides and motion pictures.

Ray Contino rounded out the four-handed day, again in typical dynamic lecture fashion, pacing the head table with microphone and, of course, the slides. He admonished the audience to consider some of the "old methods" in dentistry, i.e., the Class II inlay, the 3/4 crown; try it and you will like it. The quote of the day by Raymond Contino finished off the symposia, "If cosmetics is the prime objective, the restoration will undoubtedly fail."

Trodent salutes these teachers of dentistry and are proud of their accomplishments; the University of Southern California School of Dentistry thanks them for years and years of devotion.