



**american  
academy  
of  
gold foil  
operators**

# Gold Leaf

**January 2008**

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Executive Council  
2008- Dr. Joseph Newell  
2009 – Dr. Richard Nash  
2010 – Dr. Bruce Walter

## **Greetings and best wishes from your Secretary/ Treasurer**

*Happy New Year to All!*

Ron and Laverne Harris have yet again proven their talent in arranging for our Annual Meetings. Hawaii was attended by a very selective few who made up for their lack of numbers by their genuine dedication and endearing friendships. Linda McKibbin added her touch to the socialization by arranging a surfing experience for the really brave souls. Judging by the scrapes and sore muscles "fun was had by all". I extend a hearty thank you to all who made our time together very memorable.

Dues statements have been sent out and I trust you will both send your payments in a timely fashion AND complete the needed directory information on the reverse side of the dues statement. The Journal of Operative Dentistry folks clearly appreciate our being able to submit our payments for the subscriptions to the Journal in a timely fashion. Thank you all for your support and cooperation throughout this past year.

— Bob Keene

## **REPORT OF THE ANNUAL COUNCILORS MEETING**

**Turtle Bay Resort and Spa, Kahula, HI  
October 25 & 26, 2007**

President Dave Bridgeman called the Council to order. Reports were reviewed.

### **Secretary/Treasurer's Report**

Membership at the end of this meeting will be 240. We have lost three members to death and six members have been dropped for failure to pay dues. Our financial status is healthy and a report following the details of the current meeting will be distributed to the councilors at the Mid-Winter meeting and to any member upon request to the Treasurer. [see note below]

### **2007 Annual Meeting Report**

A superb meeting is at hand thanks to Ron and Laverne and Andy McKibbin and Ed Kardong. Ron Harris and others had done a great job coordinating things with the Naval Clinic.

### **Clinical Session/Master Class**

All performed direct gold operations during the clinical portion of the meeting. Without the essential preparatory work of members Gary Umeda and Ted Kanamori these fine dentists would not have had this opportunity. They and several other local Hawaiian dentists joined David Thorburn, Rick Nash and Chris Hacker on the Wednesday and Thursday preceding our meeting for a Masters Class in direct gold. Thank you all for making this unique opportunity available to these talented professionals.

## **Future Meetings**

2008 Annual joint meeting in Phoenix, Az. - Henry St. Germain and Ed Kardong will be coordinating the clinical and lecture portions. Margaret Webb, the current president of the Tucker Association was present which made possible productive conversations regarding the content of this meeting. The current plan is to do the clinical portion at the Mercer Institute, but many details are yet to be resolved. Lecturers who are tentatively planned include Terry Tanaka and Terry Donovan. It was agreed to extend a financial incentive to those members from both organizations who bring a guest. Stay tuned. This event will be a historical occasion for both organizations.

An in depth discussion ensued regarding future connections with the Academy of RV Tucker Study Clubs - Clearly there may very well be mutual advantages to explore supportive activities to more strongly spread to the national/international body of dentists the value of learning clinical techniques of using gold is all its forms. We will evaluate how the 2008 meeting goes with consideration for possible future similar events. Pres. Elect McKibbin will appoint this committee.

## **2009 Annual Meeting**

Joe Newell reported that U. of Penn was in the midst of renovations and that it would be advisable to defer meeting there until 2011. Discussion of alternative locations ensued. Fred Eichmiller was to explore U. of Michigan and Mike Cochran is looking into U. of Florida, Gainesville. We expect to hear their reports at the midwinter Council Meeting.

The current proposed Annual Meeting locations are therefore:

2009 – Gainesville, FL U. of Florida ?

2010 – Los Angeles, CA UCLA ?

2011 – Philadelphia, PA U. of Penn

## **Accreditation**

Efforts are still underway to explore whether we can officially connect up with the AOD on this issue. We were able to use the Academy of RV Tucker SC's number for our annual meeting. Thank you Study Club #50 of Hawaii.

## **Council Member Nomination**

The three previous past presidents of our Academy submit three names for consideration to the Council

at their Mid Winter Meeting. The future Council member is selected from that list of names.

## **Report of the JOD**

The Journal is sound financial shape. Dr. Cochran has offered to highlight the AAGFO and the RV Tucker Academies during the 2008 volumes since this will be the 50th anniversary year of the parent publication, The Journal of The American Academy of Gold Foil Operators published in 1958. Every other issue will contain material focused on these two Academies.

President Bridgeman appointed an Ad Hoc JOD 50th Anniversary issues committee- Keene-chair, Harris, McKibbin, Newell.

Successor Editor selection is in the final stages.

Dr. Carlson reminded us to use the mini JOD copy for reaching possible new subscribers. Tim reported a reduction of 50 subscriptions from the AOD. The AAGFO and ARVTSC are staying level.

An appeal was made for more submissions of clinical articles and technique reports.

## **Gold Leaf**

Richard Brinker raised the question of having the Gold Leaf available as an 'online' publication. Permission to explore this with Scott Barrett was granted. It was pointed out that many Life members would most likely still wish to receive hard copies, but if online publication could save costs in the future by all means explore this. Note: [It was pointed out that should the Gold Leaf be published online, financial details would not be included.] This information would be available to any member directly from the Treasurer upon request. The financial records of the Academy are audited each year by a council member following the Mid Winter Meeting.

## **New Business**

Dr. McKibbin suggested that we should honor deceased members during our annual meetings. It was moved and voted that we have a Legends Lecture based on foils to honor both living and deceased members during our annual meetings.

## **2008 Planning Session Mid Winter**

A planning session will be held following the AOD Table Clinic session. Bob Keene will invite all Phoenix individuals.

## Report of the Business Meeting

October 26, 2007 • Breakfast Annual Business Meeting

### Bylaws Changes:

Changes are needed to clarify the duplicate JOD subscription issue with the Operative Academy.

It was voted that line Chapter II, Section 4b. line 46 shall read, "Dues shall include subscription to the JOD. Those members who are also members of the Academy of Operative Dentistry or the Academy of RV Tucker Study Clubs may receive a refund in the amount of the subscription upon payment of dues

## AAGFO - Message from the President

11/25/07



Greetings from the shores of Mascoma Lake in Enfield, New Hampshire. As I write this message most of the major New England Ski areas have opened for the season. The Loons are still with us, as our lake remains unfrozen. Directly across the lake the Christmas lights of

LaSalette Shrine are mirrored upon the water making the display even more spectacular than usual. It causes me to reflect at my good fortune and how deeply honored I am to be serving you as President for the 2007 - 2008 term!

Our meeting at Turtle Bay Resort on the North Shore of Oahu, Hawaii, was fantastic! The clinical aspect of this year's meeting was unique. Our own, David Thorburn outdid himself! David, with the help of Gary Umeda, organized a pre-meeting clinical Masters Class on Gold Foil technique with the R. V. Tucker Study Club of Hawaii (#50). David mentored the class along with Chris Hacker and Rick Nash. The study club members, Chris and David operated the next day at the Naval Dental Clinic at Pearl Harbor! David put so much effort into this meeting, that for the first time since I have known him, he went to bed before 9:00 pm! Thank you, David! You are a legend in the making! For those of you who attended our meeting in Hawaii in 2000, you will be interested to know that the Naval dental clinic has been renovated and reequipped. It passed inspection with flying colors.

The meeting format was not all business! It allowed for quality time to make new friends and reconnect with old friends. There was a nice mix of involvement from

different generations that contributed to the sense of an AAGFO "family"! I'll try to give you a brief glimpse into the fun.

The first AAGFO Surfing Trophies were awarded to Graham Eichmiller and Ann Carlson. Somehow the surfing instructors started to refer to Ann as "Gidget"? No one knows where that came from! Chet Gibson was "volunteered" to induct the new officers while Brandon Cruz bonded with Robbie Bridgeman. Bob and Jean Keene's granddaughter, Jyoti Knisely, played her flute for our banquet reception. As an example that your academy is keeping up with the times, Pat Small, Gord Tait and my wife, Linda, have formed an ad hoc "spouses support group".

"Thank you!" Ron and Laverne, once again, for researching, organizing and expediting the meeting! You did such a great job, we're going to give you next year off! Finally, we missed those of you who could not attend.

This is a special year for the AAGFO. It is the 50th anniversary of "The Journal of the Academy of Gold Foil Operators", which is the predecessor for the current "Journal of Operative Dentistry". To commemorate this anniversary our academy will be submitting articles for three issues (Jan-Feb., May-June, Sept.-Oct), alternating with the R. V. Tucker Affiliated study clubs. This has come at an opportune time. The executive council has been considering appropriate ways to remember our deceased members who are "legends" of dentistry. Our intention is to resubmit articles written by the "legends" with a short foreword recognizing their contributions to our academy and our profession. In addition, we intend to have one

“Founders lecture” at our annual meetings that commemorates a “legend” of the AAGFO. If you have ideas for an article please submit them to Bob Keene.

Our academy is changing! We have a Web Site (aagfo.org)! Our new Web Master, Scott Barrett, has enabled us to receive the Gold Leaf electronically. We are hoping this will save on printing and mailing costs. Please help us with this effort if you are “computer savvy” enough to utilize the web site. One of the perks will be that our editor, Rich Brinker, will have color pictures on line! One criticism of our academy that I would like to remedy is to try to post future meetings as far out as possible. For many reasons, this has been hard to do. As it stands now our meeting sites are:

2008 - Phoenix (11/12 - 11/16)

Proposed-

2009 - University of Florida, Gainesville

2010 - UCLA

2011 - University of Pennsylvania

Please plan on attending our annual meeting November 12 - 16, 2008 in Phoenix. It will be an event! For the first time ever we are combining our annual meeting with that of the Affiliated R. V. Tucker Study clubs. The theme is “bring a guest”! We would like to have as many members and guests as possible attend.

The AAGFO is healthy and in good hands. Our academy is defined by its past, present and future members. It has a rich history unsurpassed by other dental organizations. We enjoy personal relationships that create a “family” bond. Our future is bright. Please take the time to reach out. There are practicing dentists who would love to be mentored and they would thrive in a study club environment. Think about it...isn't that what happened to you?

Finally, I'd like to thank Bob Keene, our secretary - treasurer for keeping all of us moving forward in the right direction!

Respectfully submitted,  
Andy McKibbin

## American Academy of Gold Foil Operators Distinguished Member Award 2007

In May of 1976, I was anxiously awaiting graduation from the University of Washington, School of Dentistry. Our senior class had been invited to attend the Associated Ferrier Study Clubs annual meeting. We were told that we might learn something about gold foil from the operating members. Since I needed all the help I could get for the impending Washington State Board, I gladly attended. As I peeked at an exquisite Class II foil, I read the name of the operator, Dr. Ralph Stenberg, Hampson- Ferrier Gold Foil Study Club Lynnwood, WA. Not only was the foil highly polished and extremely well condensed, all the adjacent restorations were polished and exquisite as well. I am sure that all of you in this room have had an opportunity to see the outstanding foils that Ralph has finished at our annual meetings. He is truly deserving of our academies Distinguished Member award.

You may think that Ralph has “flown under the radar of dentistry.” I can assure you that this is not the case. He is a 51 year member of the Hampson-Ferrier GFSC and our current mentor. He is a director on the board of the International Academy of Gnathology and a recipient of their McCollum Award. He is a



member of The Academy of Restorative Dentistry, The International and American College of Dentists. He has also mentored The Robert L. Bruna Seminar in Bellingham (30 years), The Mount Baker Stenberg Study Club, The Northwest Research Study Club and The Seattle Occlusion Study Club. He has also lectured and presented clinics in Europe, Mexico and Canada.

You might ask “how was the foundation laid” for such a distinguished career that still continues today. Ralph was born on a farm in Watford City, North Dakota.

He is the tenth of eleven children. After a brief stay in Minneapolis, some of the family moved to Seattle. He graduated from Garfield High School and enlisted in the Navy Air Force. He was a radar operator, bombardier and gunner on a PBM. A two engine submarine patrol aircraft equipped with depth charges, bombs and machine guns. He flew 150 missions over the Atlantic looking for submarines. He also flew weather reconnaissance including flights into the eye of hurricanes. He used the GI Bill to complete his secondary education and in 1954 he graduated "by the skin my teeth" (his words) from the UW SOD. With a new practice and no money he accepted Jack Kiefer's invitation to attend the Stibbs two week gold foil course. He said he has never regretted living on bread and water during the class. But he did admit that it took five years to vanquish the image of Gerry Stibbs at his shoulder every time he did a gold foil in the office.

Ralph is dedicated to dentistry but he is even more dedicated to his wife, Phyllis, six children (4 daughters/2 sons), 18 grandchildren and one great-grandchild in Oslo, Norway. On his 70th birthday, all the children were present except for one. Even their youngest daughter had returned from 3½ years in Sweden. The family gathering at a local restaurant was interrupted by a phone call. Ralph, thinking he was seeing a ghost, nearly dropped the phone as their oldest son, Bob, approached with cell phone in hand. He had arrived unannounced from Pennsylvania. Now the circle was complete.

Ralph has traveled on mission trips providing dental care in South Africa, Peru and Haiti. Following

the completion of the dental treatment in Haiti, the group was gathered for a time of sharing. Apparently the leg of his lawn chair was misaligned. Ralph fell backwards, arms and legs in the air and on his back in the bushes. His white shirt was covered with green stains. Normally this would not be a problem except he had given all his shirts away to the locals. But Ralph is a resourceful man. Knowing that ever airport has a gift shop he would just buy one in Port-au-Prince. The shop was low on inventory, one shirt. When he arrived in Miami, he tried it on. The size 50 shirt looked like a mu-mu. The stained shirt would have to do. At least he had 4½ hours to think of an explanation to Phyllis.

Ralph is an avid snow skier. He spent many years on refinished WW II skis without release bindings. He recently decided to save his new knees and purchased shaped skis with the latest release bindings. I just learned yesterday that he negotiated the black diamond Exhibition run at Sun Valley, Idaho. But it was on his back. He also enjoyed water skiing on Tulalip Bay near Everett Washington and Lake Chelan in north-central Washington. I would like to tell you about Ralph's ability as a golfer. But according to my sources he doesn't have any. Even if he isn't a great golfer we all know what a fine dentist and outstanding gentleman that Ralph is.

Will you please join me in honoring Dr. Ralph Stenberg as the 2007 Distinguished Member of the American Academy of Gold Foil Operators.

— Presented by Rick Nash

## Faces of the Tsunami



ADM. Bill McDaniel,  
USN, Ret

USNS Mercy  
Project Hope  
Operation Unified  
Assistance  
Tsunami Relief  
Mission  
2005

This Southeast  
Asian earthquake

registered 9.3 on the Richter scale producing waves

at the epicenter that were 150 feet high and traveling 500 mph. By the time they reached the area seen on the electronic media in Phuket, Thailand, the wave amplitude was down to 10 feet. The area around Banda Aceh produced in excess of 240,000 deaths carrying coastal debris inland from the coast approximately 3-5 miles.

The USS Abraham Lincoln served as first responder due to proximity. The Lincoln provided 6,000,000 pounds of food and water. The Lincoln was relieved by the USNS Mercy to help backfill international relief efforts. The local medical support hospital sustained losses in personnel and patients. Nearly 400 patients

and 300 staff from the major hospital in Banda Aceh were lost in the initial hours after the tsunami. Approximately 45,000 Indonesian nationals were hired at a rate of US \$3.50 per day who worked tirelessly from dawn to dusk which were long hours in this equatorial region. Over 151,000 bodies were buried in mass graves.

The USNS Mercy completed 466 OR cases including 121 general surgery cases, numerous ophthalmic cases (mostly cataract enucleations) and dental support with >5,000 extractions and 2,300 dental exams. Tertiary specialty care was provided for 350 patients with over 9,500 outpatient visits. The ship was able to generate 300,000 gallons of fresh water daily. TB was so endemic in this population that virtually 100% were PPD positive so protocols were established to determine which of these were actually active cases. Universal precautions were used on all incoming patient accessions. Chest PA radiographic opacity was seen on many of the multisystem septicemic patients, referred to as tsunami lung .

## **Discussion**

Only a very few of the civilian international support groups including Doctors Without Borders (Fr) displayed behavior which was counter to a good working relationship with the U.S. military. In spite of best efforts of the Mercy leadership some refrigerant-dependent vaccine doses were wasted. Many reach-out initiatives were undertaken including multiple medical repair techs dispatched to land-based units to repair diagnostic medical equipment. In latter efforts, the Katrina relief efforts, states rights trumped federal efforts to supply immediate assistance when needed. This is being addressed at high levels currently and we are seeing considerable improvement as witnessed in recent hurricane catastrophes in Texas and the fires in Southern California.

## **Future View**

Medical support has become and will continue as a different form of diplomacy. The Commandant of the Marine Corps, Commandant of the Coast Guard, and the CNO have both acknowledged that 'preventing war, not just waging it, is our new mission.' The below is excerpted from a letter translated by Banda Aceh translators:

*Remarks of the curator of the National Museum in Jakarta, one of our interpreters.*

"I think that it was Sir Arthur Chesterfield who said something along the lines that the human species is happiest when it is of service to others. Well, I do not think that I shall ever be on a happier ship than this one.

You, doctors and nurses who have worked on this ship treating the wounded Acehnese tsunami survivors are extremely special people with an enormous compassion and empathy for others, especially for those who are suffering. You are truly good people - if you were not you would never have volunteered to be on this ship and I think that when a large group of truly good and caring people are collected together in one place like this - it creates a certain energy of its own which has far reaching effects.

I do not know if you are aware of it but when I left Jakarta to join the Mercy the front page article of one the newspapers in Jakarta was about how Indonesian public opinion towards America was taking a major turn. This happened after Indonesians started reading about and watching via the television the thousands of mercy missions flown by the helicopters of the USS Abraham Lincoln off the coast of Aceh. Daily the helicopters dropped food, water and medical supplies to the survivors of the tsunami whom my government would never have been able to reach in time after the enormous destruction of roads, bridges and communications by the tsunami. And later Indonesians witnessed the compassion of the doctors and nurses of the USNS Mercy as they treated over 19,500 Acehnese patients and performed over 250 operations. I do not think that any other government in the world would have been able to provide such an enormous quantity of aid so rapidly because no other government is equipped with the enormous war machine that the United States has and what happened is that in the last three months we have watched that great war machine being used for something totally different and in a way that was completely foreign to us. It was being used to save and heal thousands of lives and quite frankly, at first we Indonesians watched with suspicion and then in puzzlement but finally with gratitude and fondness.

During the last days before the departure of the ship many of the patients were returned to shore to finish their final recuperation at Indonesian hospitals many of which are just starting to fully function again. It was a very emotional time for me as I have had to translate for many of the patients and doctors and nurses as they bid each other farewell. Over and over again this is what the patients have been saying, "I do not know how to thank you. I cannot repay you for what you have done. I have nothing with which to repay you. It is only God who will be able to repay you for what you have done..."

It is one thing to heal people and to give them medical aid but I think that there is another element in all this that you may not be aware of. These people that you have been treating are the poorest of the poor. They eat chicken or meat perhaps once a year. If they eat fish twice a week that is already good. Normally, their meal will be a plate of rice with some chilly peppers and a bit of swamp spinach or other vegetable. There has been an insurgency going on here for many years. The military comes and extorts money out of them and burns their houses. Then the separatists come and kidnap them, extort money out of them and burn their houses. They are frequently caught in the cross-fire between the military and the separatists and it doesn't

matter because they are just garbage – people of no value. If they go to a hospital for help they are not kept waiting for hours – they are sometimes kept waiting for days and they are treated with arrogance and without care. Indifference is often the best they can expect. And then they came here. Here you not only healed their bodies but you treated them with such gentleness, such compassion and such great courtesy. For the first time in their lives they were treated as human beings who have worth. You see a man who has lost an arm, a patient who has lost a leg and yet when they leave the ship they are all smiling. The joy in them is overwhelming. They are perhaps happier than they have ever been in their lives because for the first time they are aware of their worth as people – that their thoughts and feelings and lives count. When they leave here they know that they are valuable. They leave with self-esteem. This is something very special and very rare that you have given them.

In Indonesia the words for "thank you" are "terima kasih" which if you translate them literally mean "accept love" for what is it to give someone thanks other than to give them a part of your love? So allow me on behalf of my country and my people to express to you our gratitude and to give you our love."

# Challenges Dental Educators Face In Preparing Professionals For Practice In The 21st Century



By Richard G. Stevenson III, DDS  
 Clinical Professor and Chair, Division of Restorative Dentistry, UCLA School of Dentistry  
 May 2007

## Introduction

Dental education has experienced major changes in the last 20 years, which greatly affect the training and experiences of today's dental students. Dental schools face tremendous internal and external pressures including financial issues, mandated curriculum restructuring, and the shortage of highly trained faculty members. New educational model must function with less support, however, in a much more complicated dental world than ever before. How can

excellence survive in this environment? The following outline presents some of the most critical facts to consider when addressing the challenges.

## ➤ Dental Students

### Workplace Characteristics

From *CareerStrategies*, by Marilyn Moats Kennedy, 2004

Pre-Boomer	Boomer	Cusper	Buster	Nester
1934-1945	1946-1959	1960-1968	1969-1978	1979-1988+
Class of 1960-71	Class of 1972-85	Class of 1986-94	Class of 1995-2004	Class of 2005 and beyond+
Traditional work ethic	Money/work ethic	Money/principal	Principal/satisfaction	Principal/satisfaction
Work first	Work first	Some of both	Lifestyle first	Lifestyle first
Born to lead	Expect to lead	Lead and follow	No need to lead	Lead if necessary
Independent but conventional	Care deeply what others think	Some of both	Don't care what others think	Care little what others think
Strong chain of command	Chain of command	Mixed	Individual first	Individual first

### Lifestyle Characteristics

Pre-Boomer	Boomer	Cusper	Buster	Nester
1934-1945	1946-1959	1960-1968	1969-1978	1979-1988+
Class of 1960-71	Class of 1972-85	Class of 1986-94	Class of 1995-2004	Class of 2005 and beyond+
Work hard, save money	Work hard, play hard, spend hard, talk about it	Work hard, play hard, worry about money	Work hard if it doesn't interfere; save money	Good grades; make other pay; save money
I like it, it's O.K.	Do you really like it? Will others?	Should I really like it? Will others?	I like it; I don't care what you think	I like it; think small
Formal dinners	Competitive dinner parties	Make reservations	Pot luck dinners	Pot luck dinners
Exercise if forced to	Exercise for body definition	Exercise is a duty	Exercise for mental health	What's your second sport?
Buy a decent house	Buy the most house you can	Do I need a house?	Reclaim the inner city	I like living with my parents



## ➤ Dental Students (cont.)

### Social Values

Pre-Boomer	Boomer	Cusper	Buster	Nester
1934-1945	1946-1959	1960-1968	1969-1978	1979-1988+
Class of 1960-71	Class of 1972-85	Class of 1986-94	Class of 1995-2004	Class of 2005 and beyond+
Red Cross, Peace Corps	Battered Women's shelter	Homeless Shelter	Habitat for Humanity	Teach for America
Community activities Rotary	Rotary is good for business	Rotary is a bore	What is Rotary and who cares?	Beach sweep, etc.
You must vote	Vote if it's convenient	Vote if you want to	Vote, but it's private	Vote your issues
Family first	Family and friends	Family and friends	My friends are my family	Want a multi-generational family
Quality first; buy American	Prestige first Foreign is better	Get it at the Gap	Cheap: value added	Get it at Army/Navy surplus

### Communication Styles

OLDER DENTISTS (46-70 YEARS OLD)	YOUNGER DENTISTS (21-45)
"We're invincible as a team"	"I work best alone"
"I want, think, would like..."	"I need"
Softened style: "I'd love it if you..."	Blunt style: "Just do it..."
Long preambles	Abrupt speech patterns
Care deeply what others think	Care little about what others think
Like to process and talk about ideas and issues	"Just tell me what you want done and I'll do it"
Highly value participation and consensus	Do not participate, attend meetings, or need to hear others' opinions
Want people to want to do something, to want to be part of the team	Want people to get the results as quickly and quietly as possible; often astonished by employee feelings of discontent
Believe people can be motivated by a stirring, well-expressed idea	Believe motivation is pushing on the end of a string.
Recognition means a great deal; want acceptance, popularity, group identity	Doesn't work and isn't needed. "I know what kind of job I'm doing. If a boss recognizes my work, that's nice but it's frosting on the cake."

### Number of Dental School Applicants and Accepted Students

TRENDS IN DENTISTRY AND DENTAL EDUCATION, Valachovic, R.W., Weaver, R.G., Sinkford, J.C, and Haden, N.K., Journal of Dent. Ed., Vol. 65, No. 5, June 2001.

YEAR	APPLIED	ACCEPTED
1960	4644	3573
1975	15,734	5950
1990	5000	3979
2000	9010	4314

## ➤ Dental Students (cont.)

### Average First-Year Resident Tuition and Fees by Type of U.S. School In 1999

TRENDS IN DENTISTRY AND DENTAL EDUCATION, Valachovic, R.W., Weaver, R.G., Sinkford, J.C, and Haden, N.K., Journal of Dent. Ed., Vol. 65, No. 5, June 2001.

PUBLIC	STATE RELATED	PRIVATE
\$9,354	\$21,046	\$30,208

### Average Educational Debt of Dental Graduates in the Year 2004 =

**\$118,720**

### Immediate Plans of Graduating Students

From Annual ADEA Survey of Dental School Seniors: 2003 Graduating Class, Journal of Dent. Ed., Vol. 68, No. 9, Sept. 2004.

	1980	2003
Private Practice		
Solo	17.5%	4.4%
Partner/Group	9.8%	7.4%
Associate	9.9%	38.9%
Advanced Education	18.3%	37.1%
Teaching/Research/Admin.	1.3%	1.9%
Government Service	14.5%	7.6%
Undecided	8.9%	3.0%

### The Cost to Educate a Dental Student

TRENDS IN DENTISTRY AND DENTAL EDUCATION, Valachovic, R.W., Weaver, R.G., Sinkford, J.C, and Haden, N.K., Journal of Dent. Ed., Vol. 65, No. 5, June 2001.

	INCOME	EXPENSE
In The Year 1998		\$63,800
Average Tuition Paid	\$15,100	
Average Clinic Revenue	\$8,070	
		=====
TOTAL		[\$40,630]*

\*The balance is met through federal, state, and local support, as well as endowments, gifts, and alumni support.

## ➤ Faculty

### Full and Part-time Faculty Per Dental School

YEAR	NUMBER
1986	257
1990	223
1994	218
1997	211
2004	203

### Number of Budgeted Faculty Vacancies Nationwide in 2004 Reached

294

### Aging Dental School Faculty

- 47% are 50 years or older
- 19% are 61 years or older
- In the next decade, it is estimated that the number of full and part time faculty leaving dental education from retirement will range from 3,255 to 5,465.

### Income Gap Between Private Practice and Dental Faculty

Meeting the Demands for Future Dental School Faculty: Trends, Challenges, and Responses, Haden, N.K., Weaver, R.G., and Valachovic, R.W. Journal of Dent. Ed., Vol. 66, No. 9, Sept. 2002.

In the last decade:

- Dental School Faculty Salaries have increased 25-30%
- Net Income of Solo Private Practitioners has increased 78%

## ➤ Curriculum

According to the *Annual ADEA Survey of Dental School Seniors: 2003 Graduating Class*, Implant Dentistry received the highest inadequate time devotion in the curriculum rating at 43%, down from an inadequate rating of over 50% percent in 2001. 25.2% of the students believed that they were inadequately educated and trained in Implant Dentistry, vs. only 1.1 % in Operative and 2.2% in Fixed Prosthodontics

## ➤ Patients

### Trends Among Dental Patients

TRENDS IN DENTISTRY AND DENTAL EDUCATION, Valachovic, R.W., Weaver, R.G., Sinkford, J.C, and Haden, N.K., *Journal of Dent. Ed.*, Vol. 65, No. 5, June 2001.

- Based on 2000 census, US population will exceed 400 million by 2050, up 42%
- With people increasingly living longer and improving oral health, the number of teeth to be cared for is increasing at a faster rate than the population
- Successive cohorts of the population by age are experiencing less dental disease and improved oral health.
- The Mean number of DMSF for U.S. children ages 5-17 has fallen from 7.1 in 1971-1974 to 2.5 in 1988-1994.
- Approximately 55% of children 5-17 have NO TOOTH DECAY.

### Conservative Cast and Direct Gold Restorations Completed by Graduating Class at the UCLA School of Dentistry

Procedures	2003	2004	2005 (6 mo only)
Gold Foils	2	10	32
Inlays/Onlays	64	151	227

- The mean number of teeth present in adults, ages 18-74 has trended upward in all age groups.
- The decline in the percent of adults who are edentulous has been most significant, falling from 14.7 to 7.7 percent between 1971-1994.
- The decline has occurred in all groups – and in the 65-74 age group, edentulism fell from 45.6 to 28.6 percent.
- In 2001, nearly 65% of adults between the ages of 18-64 in the U.S. population visited a dentist within the past year. This is up from around 50% for most of the 1970's. Considering the effect of advances in preserving and protecting teeth and their supporting structures over the last several decades, it is virtually certain that the total number of teeth to be retained and maintained will only continue to increase in the future. (ADEA Institute for Public and Advocacy, 2004)

## Rubber Dam – A Necessity for Gold Foil



Dr. Bruce Small

Dr. Bruce Small

This lecture is dedicated to the memory of Dr. Jim Vernetti. The handout included an excerpt from the *Illinois Dental Journal* p.197 authored by Dr. James Mark Prime, D.D.Sc., F.A.C.D. 'Fifty-Seven' *Reasons for Using the*

*Rubber Dam*. Specifically referenced were:

2. reduces pain
6. reveals backward decay at DEJ
13. prevents patient wasting time talking
25. Its use is imperative for good gold foil work
37. Increases operator income through greater efficiency; therefore, favorable to dental economics
44. Tends to raise professional standards of operator. A discriminating public is learning that good operations cannot be made in a saliva-contaminated field.

Invented by Dr. S.C. Barnum in 1864 with first hole-punch developed by S.S.White in 1882. The early editions of the AAGFO Journal included routine publication of tips for usage called 'Dam Gems'. There are many new attempts to make the rubber dam more commercially viable for manufacturers, examples include but are not limited to: Optra Dam, Optra Gate, FlexiDam, HandiDam, Isolite, ZircInsti Dam, as well as a paint on version that is actually recommended by a former member of the academy, Dr. Gordon Christensen who recommends using this version as a separating medium painted on the lingual surfaces during laminate veneer bonding procedures to enable more efficient cleanup of residual resin.

Paramount for correct use is ensuring that a sharp punch leaves no 'hanging chads'. Tips for ensuring accurate centered location of holes involves some different folding exercises as well as approximate distances from the lower dam edge (1.5 in.) and 1.0 inch from the upper or maxillary edge to account for relative amounts of soft tissue retraction. Also, to permit better water tight closure around a labially positioned tooth or in cases of Class V restoration, punching the corresponding hole slightly out of the arch in a more labial/buccal position allows for greater success. The Woodbury frame with rubber dam weights and use of the Cleveland Dental Wizard provides for the best isolation access. Historically the Woodbury True frame was used with slight rostral and caudal corners to allow for better positioning of the straps avoiding the pinna of the ears bilaterally. Shaving cream applied with unit dose applicators serves as an excellent lubricant to slide the dam over the retainer. Napkins provide for easy cleanup and also a more comfortable patient experience. Obviously latex allergy needs to be checked and there are non-latex dams available. Dark colors allow for greater contrast and heavy grade is most durable for the abrasive finishing often required. When the dam becomes somewhat stressed toward the end of the clinical procedure it is possible to place a 'presentation dam' directly over the original thickness. The Brinker Tissue

Retractors were created by former member Dr. Hunter A. Brinker with extra thin occluso-gingival thickness to allow for the most access possible in plaque prone areas and its use was extended into the field of periodontal therapy with dry field polishing of root surfaces espoused (referenced by member Hans Mueller in the September 2007 Gold Leaf in his CDROM offering). The B-4 is very delicate and requires compound stabilization.

Dr. Bruce Smith recommends mechanical alteration of the bevel by reversing direction to help prevent slippage with the aid of a greenstone.

The University of Washington rubber dam forcep is recommended by allowing for greater rotational control in the close interarch posterior quadrants. Wingless retainers allow for better access in finishing and polishing. Tight contacts can be accommodated often by soaping the floss as a lubricant and then doubling back across the contact thus distributing the applied occlusogingival force on the interseptal dam. One other Verneti Dam Gem includes the important cross check to avoid lower lip entrapment prior to application of the compound stabilization preventing unnecessary soft tissue contusion.

"So Long ..... for now"

— J.V., January 2007



Dr. Jim Verneti (center) with Andy McKibbin and Bob Keene.

# Repairing Castings with Direct Gold



Dr. Henry St. Germain

The three types of gold are (1) Gold Foil in sheets, ropes and pellets; (2) Electrolytic as gold mat and Electralloy; and, (3) Powdered gold in the form of Gold-dent and EZ Gold.

## Indications

Conservative defects with no or minimal caries; also rubber dam for dry field isolation and a motivated patient.

## Preparation

The #35 Inverted Cone is used over a suitable base with good compression strength to allow for the necessary condensation forces. ZnPO<sub>4</sub> as well as resin modified glass ionomer are good candidates. A butt joint cavosurface finish and round green stone to remove any casting burs completes the preparation. A minimum of 1.5 mm depth should be left for the definitive compacted gold restoration.

## Passings

Just heard some sad news from Dr. Harry Rosen in Montreal, he was talking to Norm Ferguson in Vancouver this morning, and was informed that “Beam” had passed away.

I am not sure of his exact age, but he was very close to 90 years old. He was born in Boston but moved to Canada at three weeks of age, and so far as I know he lived in Vancouver for most of his life, he attended dental school in Portland Oregon, and shared a room with Norm Ferguson. He was a long time member of the Associated Ferrier Study Clubs and was a member of the Walter K. Sproule Gold Foil Study Club. He was also a long time member of A.A.G.F.O. and operated beautifully on multiple occasions.

“Beam” also prepared an astounding lecture upon the development of instruments which he gave not only in North America at the Foil Academy, and

## Restoration

Degassing with applied heat of 800-1100 degrees prior to condensation of the gold is required to remove the surface contaminants of oxygen, water, sulfur and wax. No matter what buildup gold (powdered, mat, foil) is preferred by the operator in the deep portions of the preparation, the surface veneer should be in gold foil.

## Finishing

Work hardening – electron sharing of the surface layer of the foil is accomplished with ball burnisher, gold knife and discoid carver followed by flour of pumice and tin oxide

## Contraindication

If the worn gold casting has a remaining thickness of less than 1 mm in areas immediately adjacent to the repair, the operator should strongly consider replacement rather than repair

the American Dental History Academy, but also in Europe at the International Gold Foil Meeting held in Goettingen Germany. He further gave this lecture to the Associated Ferrier Study Clubs and the Winnipeg Ferrier Society.

“Beam” was a member of the Operative Academy & also the American Academy of Restorative Dentistry. He had also been engaged to teach at the University of British Columbia Dental School, and was particularly interested in ethics as applied to the Dental Profession.

“Beam” was active in the College of Dental Surgeons of British Columbia, and acted for many years as a mediator for the College complaints division. He had conducted a long term private practice in New Westminster B.C. He will be sorely missed.

— Submitted By: Allan Osborn

# Clinical Session

## Naval Dental Clinic Pearl Harbor



# Relaxing with the North Shore Break and the 19th Hole



# Polynesian Cultural Center



*Linda, you devil.*



# Banquet Gathering



*Taking in the view*



*Leis no miserables*



*Winning smiles*



*Hang loose, bro*



*Clowning around*



*Gidget goes Hawaiian*



*So Gary, and the winner is...*



*The last laugh*