



american
academy
of
gold foil
operators

Gold Leaf

December 2002

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EXECUTIVE COUNCIL

2002 Dr. Scott B. Barrett
2003 Dr. David Thorburn
2004 Dr. David Bridgeman

50th ANNIVERSARY ISSUE

THE AMERICAN ACADEMY OF GOLD FOIL OPERATORS ANNUAL BOARD MEETING

October 9, 2002 – Casino Nova Scotia Hotel

President Bob Keene called the meeting to order at 2:10 p.m. Members present were: Drs. Barrett, D. Bridgeman, Carlson, Eichmiller, Gourley, Harris, Hoard, W. Johnson, Keene, Osborn and Thorburn.

The agenda for the meeting was distributed to all present. Minutes of the February 20, 2002 Chicago meeting were approved as published in the Gold Leaf in July.

Journal Report:

Dr. Carlson presented the report. Backlog of manuscripts has been eliminated with the expansion of the journal. All papers are being published within 12 months of submission. Web site is being moved to Journal's own server.

Efforts to expand the subscription base continue. Complimentary copies are being sent to residents in the Operative Dentistry programs at Indiana, Iowa, Michigan and North Carolina.

A proposal was made to add the R.V. Tucker Study Clubs as a third sponsor of the Journal. The Board gave its endorsement to invite the group to join in sponsorship. It is up to the Tucker group to accept the challenge.

Treasurer's Interim Report:

Assets – October 3, 2002

CD	\$30,000.00	Matures 2/22/03
CD	25,000.00	Matures 2/19/04
Checking	27,805.07	

Total \$82,805.07

(Interest is compounding on CD's vs. receiving monthly payment).

Receipts – 2002 35,346.27

Expenditures – 2002# 21,321.63

\$14,024.64

* Does not include all expenses for this meeting.

Assets – January 1, 2002

CD	\$30,000.00
CD	25,000.00
Checking	13,820.73

\$68,820.73

Difference in Assets during 2002 +13,984.34

Dues + Journal Subscriptions 11,130.00

Journal Subscriptions Paid 6,095.00

Dues Received – 2002 5,035.00

Total members – 252 (10 to be dropped, 4 deaths and there are 2 new applications)

Dues paying members – 163 (plus the 2 new members for next year)

Life Members – 84

orary – 4

Membership: Vote was taken in the affirmative to approve new members Janet Zinter and Richard Wittenauer, as well as those moving from Associate to Active status.

Correspondence: Several letters from members not wishing to renew membership. Letters from several members who were unable to attend this year.

2002 Meeting: Dr. Johnson has the essay program under control with outstanding speakers on various subjects. Apparently all of the speakers have declined their honoraria. Dr. Gourley has arranged for two clinical sessions, partly due to the availability of ten chairs. One casting procedure will be performed.

Future Meetings: 2003 – Lincoln, Nebraska, October 1–4, 2003. 2004 – Loma Linda will be the proposed site. Dates TBD. Two letters have been sent long ago to UCLA about meeting there, but no response was ever received.

Committees:

Literature and Research – Fred states that the entire bibliography is now online.

Nominating – Andy McKibbin has been selected as the new board member.

Interacademy Liaison – No report.

Education and Clinical Seminars – No report.

Necrology – Four deaths reported: Herbert Gillard, Robert Jacobs, Wynn Matsumura and John Seberg.

Outstanding Clinician – Mark Modjean has been selected, but will not be able to attend.

Distinguished Member – Marty Anderson will be this year's recipient of the honor, though it appears that his mother's death is pending.

Constitution and Bylaws – Nothing is pending. Updated copies given to board members.

International Meetings – No report at this time. Looking for other than U.S. area that would be interested in courses, etc.

Gold Leaf: Another well-done issue was distributed in August.

Unfinished Business: Secretary Treasurer has asked that the nominating committee come up with a candidate for replacement next year. Ron and LaVerne would not mind continuing as meeting planners.

In an effort to get things done on time and contending with a printer problem, Dick Tucker was omitted as past president for 2001 in the roster. Apologies!

New Business: Scott Barrett would like to plan to use several students as clinicians with mentors from the Academy guiding them through the procedures in Nebraska. He also suggested that the Secretary not be required to pay the meeting registration. Ron said he felt that since expenses for the meeting and transportation were covered, he should pay the registration fees.

Bob brought up the idea of having Master Classes at future meetings, similar to having the lectures, as we are this year, and promoting Continuing Ed. courses. It may not work at every dental school. It will be discussed at our meeting in Chicago in February.

Allan has had several sets of pewter goblets made up, presenting a set to Ron and LaVerne as his personal gift, and a set for Bruce Smith as a remembrance of his position as first president. The Board decided to repay Allan for the latter and do it as a gift from the Academy.

The meeting was adjourned at 4:00 p.m.

Respectfully submitted,
Ronald K. Harris, D.D.S., M.S.D.
Secretary-Treasurer

Synopsis of a Proposal for the American Academy of Gold Foil Operators

The American Academy of Gold Foil Operators has a tradition which should not be lost. The talent, ideas, and attitudes of its members must be a continuing force in the promotion of excellence in the service of dentistry to the citizens of this country and the world.

To achieve an active interest in our mission and to continue the growth these ideas and talents deserve, we must adapt our focus and structure to ensure our organizations continuing health and success. There are many forms and methods through which this could be accomplished.

These are some questions which, if asked, might direct our thinking in making decisions for our future:

1. What would happen if we shifted our focus to a broader use of Gold materials in restorative dentistry?

2. If we met at dental schools with use of inter oral camera, video and current visual aid technology to conduct master classes for members and students as part of a joint undertaking with the school, could we share our ideals, help schools transfer knowledge and still provide our membership with a sense of fellowship and purpose?

3. What would happen if the Academy became the primary conduit through which direct and indirect gold continuing education courses were channeled and facilitated? Could those members and others around the country/world be exposed to a larger number of interested practitioners by such a focus and facilitory activity on the part of the Academy?

4. In view of the greater decrease on the part of dental schools for teaching direct gold and conservative indirect castings, should the Academy maintain a clinic facility for the purpose of conducting study club courses which would promote our mission and purpose ideals?

I have a dream that we can do all of these things. I have a hope that we can continue to grow and interest new members and fulfill the wishes and needs of the existing members through just such a program of facilitation and focus. I know that we have the talents and resources to achieve that which will make our history in direct golds live on.

Submitted by Robert C. Keene, DMD

THE HARD-WORKING RECEPTION DESK



Jean Keene and LaVerne Harris

Comments on the Occasion of the 40th Anniversary of the **GEORGE M. HOLLENBACK OPERATIVE DENTISTRY SEMINAR**

By Craig Bridgeman, DMD, Co-Director

Twenty-seven years ago, I was beginning my senior year at the University of Florida College of Dentistry. Like many seniors, I was anxious to graduate and share my vast pool of knowledge, and my incredible clinical skills with the inevitable huge pool of patients that would soon be beating a path to my door to avail themselves of the exceptional skills and remarkable clinical judgements of this "boy wonder" who would grace their community with his presence. At the same time, the immediate Past Dean of the college (Dr. José Medina) was probably sitting in his office wringing his hands, wondering if the public would survive this arrogant, brash, snotty young whelp that his school was about to unleash on the unsuspecting public.

Today, that arrogant, brash, snotty young whelp is considerably more humble, thanks in large measure to the subtle 20-some years of influence of that immediate past dean. You see, the real gift wasn't the student, but rather the Dean.

José came to Florida after a distinguished teaching career at the Baltimore College of Dental Surgery. He came to recruit a faculty and start a dental school from scratch — and did he ever! It was a unique experiment — a self-paced curriculum, taught by an unrivaled faculty who were willing to buy into the risk — that of abandoning the traditional mechanics of dental education to try something new and untested. And, what a faculty they were — Harold Stanley, Bruce Bell, David Grainger, John Bucher, Parker Mahan, John Bowman, Davis Henderson, to name but a few of the dental giants of that era.

How was he able to do that so successfully? We all know José as a man of profound faith, impeccable personal integrity, with an insatiable insistence on things being done right, and capped with the magnetic, gentle, persuasive personality that makes it impossible to say no to him. Like José, this faculty believed in sharing their knowledge enthusiastically. The students of this school today will likely never be fully aware of the remarkable heritage of the school.



*New Hollenback
member inductee*



*Dr. Craig
Bridgeman's tribute
to Dr. José Medina.*

But, as we all know, José's generosity didn't stop at the doors of academia. His study club involvement is legendary. From the early days of his round trip auto excursions from Baltimore to Omaha to participate in the Woodbury study club, to his mentoring of some half-dozen study clubs at his peak, his commitment to instilling discipline and the pursuit of excellence is known far and wide in dentistry.

Knowing how devoted José is to his family, I've often wondered how he found the time to do everything he has done. I've concluded that it can only be from his instilling his values in his family, and their subsequent understanding the importance of sharing him with us. Lee, Ginny, Rick, we thank you, and we will never forget it.

José was in private practice early in his career — for the purpose of becoming a better teacher. He sentenced himself to life on a teacher's salary — far less than his true worth. But he'll be the first to admit that his compensation in joy and satisfaction has far surpassed anything that the material realm had to offer.

Yes, José is a teacher. But he doesn't just teach dentistry, he teaches life. As director of this study club, I know I can never be José Medina, but I can pray, hope, work, and try to be a little bit more like him each day. That's the best I can promise you.

I'd like to close with a little poem that José didn't compose, but he might as well have, because the message is so quintessentially José:

Good, better, best
Three words to ponder
And never rest.
'Til our good is better,
and our better best.

José, on behalf of the George M. Hollenback Operative Dentistry Seminar, and all the others whose lives you have touched so deeply, I thank you.

New Hampshire Study Club Honors José Medina



Drs. Janet Zinter, José Medina, David Bogacz



José's delight with his presentation



Dr. José Medina thanks the New Hampshire Study Club



Ivor Myôr visits at U. of Florida



*New Hampshire Dental Study Group and bust of José Medina
at the University of Florida Dental School*

Who Introduced You to the Academy? ...

Reflections & Reminiscences

IN RECOGNITION OF THE 50th ANNIVERSARY



Dr. Bruce Smith
Founding President

I had a reference card on a James Mark Prime article suggesting the formation of a gold foil academy. (He was a close friend of Ferrier and George Hollenback.) It seemed important to unite the men who cared for really fine dentistry — gold foil. A lone man practicing would have support and feel he was

in good company with the select few. Men who operated before each other — instrumental not just vocal practitioners. A wonderful system for true education of students and graduate students.

When I approached Gerry Stibbs with the idea, he said, "Well, you could go ahead and try."

So, in the dining room at home one evening, I composed a letter to see if there was enough interest. This was sent to every dental school in North and South America, and Europe.

The replies were amazing. Dentists really cared, as well as some dental leaders. The National Bureau of Standards responded.

Then, it seemed important to contact the parent Ferrier Gold Foil Study Club, the Seattle Dental Study Club for their support. George Ellesperman was especially helpful. Letters kept coming in. Secretarial time was increasing as well as mailing costs and the Seattle Club agreed to share the burden.

Ralph Plummer and Gerry Stibbs became really interested and Gerry's secretary, Gloria Stibbs with Gerry's supervision and advice was invaluable in handling correspondence and procedure.

Ralph Plummer and I went to St. Louis and setup our first meeting arrangements and dinner in the Adele Room of the Chase Hotel. There we selected the menu and places for the thirty-six men who indicated they would attend. Thirty-six men arrived as scheduled showing the responsible nature of men who use gold foil.

Fifty years! It's amazing and wonderful.

Fred Eichmiller

I can't say that there was one particular person who introduced me to the Academy. Shortly after graduating at Minnesota, I

joined the G.V. Black study club and people like Tony Romano, Jack Shultz, Jim Guptil and Perry Dungey took me under their collective wings and showed me the light. As an engineer it was glaringly obvious to me why foil performed as well as it did, so it was an easy sell. Participation in the Academy was an expected part of fitting in with the group.

My most challenging clinical experience I'm sure is yet to come. For me the biggest challenge has been retaining and honing clinical skills when my job gives me so little patient exposure. Study clubs are about the only venue I have now for clinical experience, and it has been a difficult consequence of my career path. At times I regret that I cannot exploit the clinical skills I've been taught, but then I have to consider where and how I can make my greatest contribution to dentistry. During years like this past one where I've been called across the country to defend our use of dental amalgam, I think I made the right choice. My only hope is that there is an after-life and perhaps then I can focus more on clinical dentistry.

This Academy has given me so many great mentors and each contributed in unique ways. Woody Rupp taught me how to achieve predictable anesthesia and how to put on a rubber dam without cursing. Chet Gibson showed me how to cut and refine a prep with a single instrument. Bob Bridgeman showed me it could be done in 45 seconds if you had adequate eye protection. Tony Romano taught me what gold to use when and where. Perry Dungey taught me how to mallet faster than any machine could possibly condense gold, and José Medina showed me how to put it all together and have fun doing it.

There are very special circumstances surrounding all of these mentors, because these are the people that have shaped and molded my career. When I was faced with the difficult decision of leaving private practice and devoting my career to science, my fellow study club members encouraged me to take a risk and expand my horizons. I would never be where I am today doing what I am doing if Jack Schultz and Woody Rupp had not searched me out. Woody had the rare opportunity of planning his retirement a few years in advance. Jack recognized my interests in science and convinced me to visit Woody and see what the Paffenbarger Research Center was all about. After one hour of Woody's smooth sell, I was convinced that this was an opportunity worth the risk. I was then able to share Woody's shoes for a few years before I had to wear them completely.

In the early 1990's I was called upon by the National Institutes of Health and the World Health Organization to develop a suitable alternative for dental amalgam. My background and knowledge with gold foil helped me realize the potential of a directly consolidated metal. This led to eight years of research in developing a method for directly consoli-

dating elemental silver powders and for forming high strength intermetallic compound via direct consolidation. The work culminated in a method for directly consolidating silver powder into a tooth cavity using direct gold methods and adapted instrumentation. Three patents were issued on this technology and the dental uses have been licensed to a small startup company in Hollenbackshire.

The highlight of all the Academy meetings has to be the clinical sessions. The quality of the work goes without saying, but more impressive is the willingness to share, the education given to students, and the demonstration of compassionate care that is demonstrated for patients that most operators have never before met. What this shows students and observers is what truly makes for a successful practice. Excellence, interpersonal skills, compassion, and a love for dentistry.

Dr. Ralph Werner

My first affiliation was in 1952 through our study club, The G.V. Black Study Club of St. Paul, formed and mentored by E.K. Wedelstadt in 1898. I think this is the oldest study club. Black and Wedelstadt traveled to Seattle in 1909 and influenced the study club. They also visited Portland and Los Angeles.

I think it was at a meeting in New Jersey when I was given a class III first to do and it turned out to be a class IV. This was a challenge back 30-40 years ago.

Many members helped me to develop my skill in placing foil. Dr. Paul Dawson of Loyola U. of Chicago and Northwestern University of Chicago gave me many pointers. Dr. Floyd Hamstrom who gave me the appreciation of using the rubber dam in most operative procedures. Dr. Alex Jeffery Class III inconspicuous foil. Dr. Lloyd Baum gave me many suggestions for rapidly filling cavities. He also gave me knowledge in full mouth reconstruction. Loma Linda University. Dr. Ian Hamilton of Seattle, conservative restorations and miniaturization of instruments. Dr. Allan Osborn of Winnipeg, Porcelain inlays. Dr. Bruce Smith of Seattle, Class V restorations. Dr. Norm Ferguson Class III on distal of cuspids. Dr. James Verentti of San Diego physical health. Dr. Bill Ferguson of U.S. Navy and Rhode Island, many procedures and coolants.

Almost all past presidents contributed to advanced knowledge. I could name many others.

I worked with Dr. Baum on the use of gold dent and ez-gold for more rapid procedures.

The fellowship and camaraderie will never be forgotten. Clinical procedures help me develop a better practice.

One morning in Chicago I met Dr. Ralph Phillips at breakfast and he was coming down with the flu. He mentioned that he didn't think he could give his lecture later on because of health problems. He had no medications with him and I did. I loaded him up with antibiotics and pain relievers and he recovered enough to give his presentation. He mentioned in his lecture that because as a member of the Ralph's Club he was able to proceed as planned. From this association we formed the Ralph's Club.

Dr. Melvin (Pug) Lund

My introduction to this Academy occurred in the early 1950's by Harold Schnepfer and Lloyd Baum. This was shortly after the formation of this Academy.

As far as ranking my clinical experience, I have some difficulty for in reality any time I am in a clinical situation it is challenging.

In his role as mentor of the Loma Linda Gold Foil Seminar, Harold Schnepfer was very helpful in gaining knowledge with direct gold. And he had been very active with Jerry Stibbs at the University of Washington.

Also Alex Jeffery who retired to Southern California from the northwest acted as a great mentor at Loma Linda. He apparently was controversial as a result of his cavity preparation from the lingual. Jim Verneti also played a role in my background.

Lloyd Baum, Harold Schnepfer and myself were active in developing a useful clinical method for using powdered gold as part of a direct gold application. And that also for a period of time was a subject of controversy. This included developing preparations and instruments useful to this procedure.

This Academy because of its small size, and we wish it weren't quite so small, provides an intimacy which is very desirable.

Marg and I are not expecting to attend this meeting in Halifax, though I am sure it will be very good. Our motivation to travel became impaired when this August our Alaska cruise ship, an hour and a half from the Vancouver dock, cancelled the cruise as a result of a power failure.

I share with pleasure.

Dr. Julian J. Thomas

I had many mentors in this great Academy. Dr. Paul Moore (one of the earliest members) encouraged me to join back in 1955. Later, in 1958 or 1959, Dr. Bill Ferguson inspired me to join as a way to improve my clinical skills. At the first meeting I attended I was astounded at the quality of the procedure and the resulting restorations. I came away humbled, but determined to try to better myself professionally.

Later, in the graduate program at Indiana under the strong encouragement of Dr. Bill Gilmore I did research on the pulpal effects of gold foil restorations. In the proceed of restoring over 120 teeth with gold foil, I developed a basic proficiency and a real appreciation for the standards that I had witnessed at meetings of "This Academy." The frosting on the cake occurred when Dr. Bruce Smith came to Indiana to teach a course in the Ferrier technique for the class V restoration. We rolled the cylinders and pellets to be used in the restorations under his close supervision.

I can remember asking him how I could ever approach the excellence I saw in the restorations he showed us and he said, "Julian — you just try."

Bob, I am sorry I will not be able to be at the meeting in Halifax, but we are committed to another trip at this time. I'll sure be thinking about you and all the others at the meeting.

Dr. José Medina

Following graduation from Baltimore, Maryland, in either the fall of 1948 or the spring of 1949, I met Dr. Ray Collins of Front Royal, Virginia, who introduced me to the Woodbury Study Club. The invitation was extended to assist with driving across the country to Omaha, Nebraska in his new Jaguar car. The meeting lasted 21/2 days. At that time I met Drs. George Hollenback, Bill Ferguson, Lester Myers, Miles Markley. At other meetings I met Drs. George Ellsperman, Alex Jeffrey, Harry True. When asked at the second meeting "Aren't you going to operate?" my reply that I was without instruments caused a flourish and the production of instruments and a patient in the person of Dr. Bob Chapin.

A number of years later in New Orleans my patient presented with a class ELEVEN lesion (two 3's and a 5). Jim Vernetti mentored me through the challenge, but thereafter, the Academy developed a rule that the clinician would have the final say in regards to the appropriateness of a given lesion. The clinic chair obviously had little or no experience of gold foil.

I joined the A.A.F.G.O. at the outset, and became an operating member in 1957, later became editor of the Academy Journal which commenced under the auspices of Herb Coy, the literature chair, and was first published in 1958 under initiating editor Bob Wolcott.

I was responsible for the modified burnishers, 'Beavertails' and also the offset series of chisels in the 40 series. 15-10-16S, which were designed for use in both inlay and foil situations, and were needed when the profession adopted a sitting position to operate instead of the traditional standing posture.

I had the unique privilege of working with Clyde Ingersoll, the great Williams metallurgist, and helped in the development of the non-carbonised rope foil. Regretably, this never sold well and was discontinued.

I was mentor/director of the first East Coast Study Club. Meetings were held in Boston in the 50's and 60's. I remember with great fondness such people as George Ellsperman, Harry True (invisible class 3) and Alex Jeffrey. All names that we have heard over the years.

Dr. William Ferguson

Invited by Dr. Norman Carlson of Lincoln, Nebraska, to attend the Woodbury Study Club that met in Omaha usually for a period of 2-3 days at a time. The standard of dentistry was amazing, and was something that I had never either experienced or seen before. Particularly encouraging were people like George Hollenback and Norman Carlson. Those who had talents were more than willing to share their expertise and experience, they were both dedicated and extremely intense, imparting a great sense of morality.

Dr. Ralph Werner used to work at the Great Lakes Dental Clinic and was a fine instructor and inspiration to all who came in contact with him, it always appeared as if people who became involved in gold foil with him experienced a conversion, and a realisation that there was so much more to their

own talents than they ever suspected, and so much more than they would be able to contribute to the patients with whom they came into daily contact.

Dr. Allan G. Osborn

In 1972 at the height of Canada's success in the Russia/Canada ice hockey series I circulated a letter to all Manitoba dentists in regard to forming a Gold Foil Study Club here in Winnipeg. Thus began a long and enduring friendship with Dr. George Brass who was at that time the former head of the restorative program, and the current director of the operative program. A truly splendid program, it was justifiably well regarded throughout the world. The 8 years that I spent teaching with George was one of the most satisfying professional experiences of my career. In 1976 we journeyed to Minneapolis for what I believe was the last of the February clinical sessions of the Academy. The following Fall meeting in Chicago was the first occasion that I operated at the academy completing a class 5.

Gold Foil has brought me into contact with many mentors, all of whom helped to shape my professional existence, and to whom I shall always be extremely grateful. Jerry Stibbs in 1967 during the two week course, and later Bruce Smith and Norman Ferguson when I organised and acted as assistant mentor for the 2 two-week foil courses that were held in Winnipeg. All the wonderful members of the Academy who have always shared their knowledge and expertise have each in their own way contributed to my happiness in dentistry and have made membership in the Academy such an important part of my life.

The particular feature that is always exciting about a meeting of the Academy is the comradery that exists between the members. It is really just like coming home, discussion is always thoughtful and reasoned, and not motivated by the latest pedantic commercial thrust. Too often in our daily practice we are confronted by the blinkered sales pitch which demonstrates scant respect for the scientific parameters of the profession.

Through the good offices of A.A.G.F.O. it has been possible to meet and interact with many of the most wonderful scientists and clinicians in universities in both North America and Europe. I deeply believe that the members of the Academy represent 'La Creme de La Creme' of the profession, and sincerely hope that there will be a 100th Anniversary.



BANQUET SOCIAL HOUR





BANQUET HEAD TABLE



Jim Gourley, LaVerne Harris, Ron Harris, Jean Keene, Bob Keene, Warren Johnson, Margo Johnson, Ian Hamilton, Mary Hamilton, Bruce Moxley

EXECUTIVE INTRODUCTIONS



*Dr. Dick Tucker introduces the new Board.
Drs. Warren Johnson, Jim Gourley, Ron Harris, Scott Barrett, Dave Thorburn, David Bridgeman, Andy McKibbin.*

On the Occasion of ...

AAGFO 50th Anniversary Banquet

OCTOBER 12, 2002 – HALIFAX, NOVA SCOTIA, CANADA

BANQUET GREETINGS

Welcome and thank you to all those who have traveled to this 'International' meeting of the American Academy of Gold Foil Operators here in Halifax, Nova Scotia. The Dalhousie staff and alumni, in particular Dr. Dan MacIntosh, have been most helpful and gracious. Thank you! It is good to be here in Canada. Thank you for your warm and generous hospitality!

CLOSING REMARKS

I'd like to extend a warm greeting and a special thanks to my wife, Jean, LaVerne and Ron, Jim and Warren and Bruce Moxley for their help in making our 50th anniversary celebration so very special.

My thanks go also to Bill Pike, and to the five second generation member of the New Hampshire Dental Study Group for their support and encouragement. I would also like to recognize my associate and current boss, Angela Santavicca, and Am and Norlen, her assistants, for coming to support me.

I thought that it was interesting to note that you will find in the "Chronological Listing of Direct Gold References", published by this Academy several years ago, that the first literary direct gold listing: Stringfellow, S.L.: *On plugging Teeth*, Amer. J Dent Science 1: 111-112. It is dated 1839.

The American Academy of Gold Foil Operators was born September 11, 1952, in the Adele Room of the Chase Hotel in St. Louis, Missouri. Dr. Lester Myers, Chairman protem, was presiding. I'd like to share excerpts from *A History of the Academy*, compiled by Drs. Plummer, Smith, and Stibbs, that appeared in two issues of the former Journal of the American Academy of Gold Foil Operators. The journal, which incidentally was the precursor of the Operative Journal we know today.

Quote:

"In the summer and fall of 1951 various letters began to appear throughout the dental world concerning an International Society of Gold Foil Operators ... By March 1952 the die was cast."

[The Northwest Associated Gold Foil Study Clubs moved to support this movement.]

"It is sufficient to say that this body of devoted men, the trustees under President George Ellsperman, immediately set up a committee to work together and investigate the possibility of forming an academy. The committee consisted of Dr.

Ralph E. Plummer, Dr. John H. Williams, Dr. Arthur G. Schultz, Dr. Gerald Stibbs and Dr. Bruce B. Smith, Chairman. "As time progressed, the funds borrowed [for mailings] were reimbursed to the group within the following year. At this time Dr. Stibbs, with the practical stenographic backing of his lovely

wife Gloria, and the silent yet powerful backing of that great man Dean Ernest Jones began the crusade of contacting men all over the world for a formative meeting. The response was most encouraging. From areas where foil was, to all intents and purposes, a dead issue came replies expressing real interest. As a matter of fact, from all the letters sent out, only three replies were received which expressed an aversion to the

continued use of gold foil at all. Two of these letters were from heads of Operative Dentistry Departments. We hope that some day these men will change their minds, and thus benefit the students under their jurisdiction.

"Dr. George Hollenback suggested an alliance with an active group of fine dentists led by Dr. Charles Stebner [from Laramie, Wyoming] who advocated increased rubber dam usage in restorative procedures ...

"The charter meeting of the International Society of Gold Foil Operators was planned for September 11 at 6:00 PM at the Chase Hotel in St. Louis, Missouri. Due to illness at the last minute, Dr. Stibbs was unable to leave Seattle. He turned over his plane ticket and hotel reservations to Dr. Plummer, who, with Dr. Smith, headed for St. Louis to arrange the meeting. Thirty-six men had indicated that they wished to attend. When the count was made, thirty-six men were present. This consistency of intents is a strange phenomenon that has since followed the Academy. It must be that foil men [people] have great determination."

Closed quote

You might want to check out the entire article to learn the whole story.

I'd like to continue with another story. Let's travel from 1952 [the year I graduated from high school] to 1964.

It all began in a most unusual place. Actually, it was at the 1964 June [annual] meeting of the New Hampshire Dental Society held at the Mountain View House set at the northern edge of the presidential range of the White Mountains, which



spreads in a vast vista to the south. Four of us were sitting by the pool grousing about dentistry and our struggle with various aspects of clinical dentistry. We were sharing our frustration with how we could improve our operative skills. We agreed that these yearly dental meetings were not a good forum for such an undertaking. Two of the groups had left dental school four years previously, one six and yours truly, one. I thought that if the three others were feeling this way after being in practice for 'such a long time', what was going to happen to me in dentistry??

Jack Freese, a leading member of this academy, must have had an ear for such inquiring dental talk for it was not very long before he turned his attention from the swimming pool and simply said, "Humph, you fellas ought to start a study club." Our nearly unison reply was "What's that?"

Little did we know that Jack's was a suggestion [really a directive] that would change our professional lives. Little did we know **then** that his council, at this crucial time in our professional lives, was the perfect medicine to fend off "just being an ordinary dentist".

Dr. Carl Monticelli, our first director and former professor of mine from Tufts, answered Jack's call to help these 'fellas' from New Hampshire. After Carl died, José Medina amply filled his shoes — yet further evidence of the commitment and determination of members of this Academy to help others in their journey down the road to excellence — a road that is always under construction according to a founding member of the New Hampshire Dental Study Group.

Travelling that road is a tradition that is carried on today by the members and guests of the New Hampshire Dental Study Group. Though our 'tradition' does not enjoy the same longevity as the Woodbury Club, the affiliated clubs of the Northwest or the G.V. Black Study Club in St. Paul, MN, we are thankful for the foundations that they have built.

That road to excellence is a tradition that is also carried on today by study clubs both here and abroad as we have heard from Josef Schmidseider.

I am sure that one special person has stepped in and made a difference in many of your professional lives. This is my point. You, though one voice, can be the person to make a difference in the life of another.

While preparing for the forthcoming special 50th Anniversary edition of the Gold Leaf and as a result of a brief survey I sent to past presidents, I have been privileged to learn many stories.

José Medina

José, having just barely entered private practice in Baltimore, MD, was asked by Ray Collins to join him in going to a study club meeting. Without giving much thought to the details, José said, "Yes". He was asked to meet Ray at a certain time and place. José did. It was only after climbing into the passenger's seat of Ray's Jaguar that he learned that he was headed to Omaha, Nebraska, 'just' a 20 hour drive in those pre-interstate days. Around the clock shared driving brought them to the Woodbury Study Club, which met for 2.5 days. At a future meeting José met a true operating challenge. With Jim

Verneti's help he completed a Class 11 direct gold on a central incisor. (You can do the math ... two 3's and a 5 = 11.)

Should you see **Ralph Werner** at the Operative Academy meeting in February, ask him how Bill Ferguson and the Navy handled his financial wizardry at his first naval station assignment at Great Lakes. Actually, in order to get him away from the senior officers more eager to learn from Ralph about investing, they asked Bill to take Ralph off their hands. Bill placed him in the middle of the clinic so that his dental expertise would contaminate the other youngsters in the clinic. It wasn't long before Ralph had everyone toeing the line — rubber dams and all.

You might ask **Fred Eichmiller** just how he is able to condense gold faster than any machine.

I am sure **Lloyd Baum, Mel Lund, and Jim Verneti** would be happy to tell you more about the various challenges that they faced as they worked on their various 'new golds'. These are but a few of the stories that can be told.

I found that more often than not the stories shared center on people. People who have taken the time to SHARE, CARE and ENCOURAGE.

SHARING — Most of *all* of what we have learned has been because someone has SHARED knowledge or talent without expectation of a reward. Sharing is a form of giving and we all know when we give to others, our rewards multiply.

CARING — Webster says 'to show interest and regard'. Caring requires action. We act with interest and regard to share our interest in excellence in all that we do for our patients.

ENCOURAGING — Unlike the classic atmosphere of our dental education, this Academy is exemplified by the encouragement it has given to hundreds of dentists since its beginning 50 years ago. Those who responded to my survey used this word to describe their experience in the academy. They felt **encouraged** by other members and how that during a particular clinical session, [in a state of near shock, no doubt] an elder sage had given them encouragement and confidence in accomplishing an excellent restoration.

Make the effort to SHARE, CARE and ENCOURAGE those dentists in your community to visit your study club sessions. Give them an opportunity to see first hand, dentistry at its best, whether it is gold foil, gold casting or other restoratives.

The future of this academy can and will be a vital lamp shining its light, much like the coastal lighthouse seen yesterday. Shall we use our beacon to guide those who have been denied the experience of learning the use of **all** dental materials? Let us use that beacon to help dentists drifting in the fog of mediocrity so that they can gain knowledge and skill [though sadly **after** dental school]. Certainly, whether this academy survives or not is not necessarily a function of the use of Gold Foil alone. When and if a better material comes along we shall still have a mission.

That mission: to **share**, to **care** and to **encourage** is one that holds as true today as it did for the founders of this academy 50 years ago.

In a word we are challenged to be *missionaries*. We not only need to respond to those who **show** an interest, but we also must be sharing, caring and encouraging to those dentists in whom a *spark* for excellence does not yet exist.

It has been with a profound sense of humbleness and great honor that I have served as president of this academy. My deepest thanks and appreciation goes out to Dr. Bruce B. Smith, our first president 50 years ago and to the many excellent presidents and members that have served this academy during these 50 years.

I am deeply honored and proud to turn the leadership over to Warren Johnson. With the support of your fine council, the

admonition and guidance of our ever-vigilant secretary/treasurer, Ron and the past presidents, I know that you will enjoy your presidential year.

May you keep your altitude and sense of humor.

I look forward to seeing you all in Nebraska next October 1-4, 2003!

Thank you,
Robert C. Keene, DMD

President's Presentations



President Dr. Bob Keene addresses the banquet and introduces incoming President Warren Johnson



*Presenting the Gavel of Office
(made by Past President Bill Roberts)*



Dr. Warren Johnson presents the Past Presidents Plaque.



President Johnson thanks Dr. Bob Keene for his service as President.

BANQUET



Pres. Bob Keene welcomes Dr. Janet Zinter into the Academy.



Dr. Janet Zinter thanks the President and Academy.



Dr. Allan Osborn displays the goblets presented to founding President Dr. Bruce Smith and Lola Smith and to Secretary/Treasurer Ron Harris and LaVerne Harris.



The 'Good On Ya' Trio



FRIDAY



Our magnificent host Dr. Dan MacIntosh with Dr. Clyde Roggenkamp



LUNCHEON



Peggy's Cove ... Enroute to Shore Club Lobster Feast



SHORE CLUB LOBSTER FEAST



The Inlet at the Shore Club



The Shore Club, site of the Lobster Feast



Awaiting the Lobster Race



Awaiting Libation



Mussels



*The Lobster Race
Do Not Touch the Lobster!*



Participants



Whetting the Appetite



With Mussels



With the Lobsters





Getting Down



To Serious Business



Dancing in his new lobster T-shirt



Couldn't eat another bite



*Winner of the Lobster Race
Dr. David Bridgeman*



Continued



The Dance



Until Late



The Charming Bar

Wierd Science

New Element Discovered: Administratium

A major research institution has recently announced the discovery of the heaviest element yet known to science. This new element has been tentatively named Administratium.

Administratium has 1 neutron, 12 assistant neutrons, 75 deputy neutrons, and 111 assistant deputy neutrons, giving it an atomic mass of 312. These 312 particles are held together by a force called morons, which are surrounded by vast quantities of lepton-like particles called peons. Since Administratium has no electrons, it is inert. However, it can be detected as it impedes every reaction with which it comes into contact.

A minute amount of Administratium causes one reaction to take over 4 days to complete, when it would normally require

less than a second.

Administratium has a normal half-life of 3 years; it does not decay, but instead undergoes a reorganization, in which a portion of the assistant neutrons and deputy neutrons and assistant deputy neutrons exchange places.

In fact, Administratium's mass will actually increase over time, since each reorganization causes some morons to become neutron forming isodopes. This characteristic of moron-promotion leads some scientists to speculate that Administratium is formed whenever morons reach a certain quantity of concentration. This hypothetical quantity is referred to as "Critical Morass."

You will know it when you see it.

DIDACTIC SESSION



Dr. Warren Johnson introducing lecturers on Day 1



Dr. Dan Henry, Clinical Critique



President Dr. Robert Keene commences the sessions on Saturday



Dr. Clyde Roggenkamp, Clinical Critique



Dr. Richard D. Tucker



Dr. Warren Johnson outlines the Saturday Programme

DIDACTIC SESSION (continued) ...



Dr. Richard V. Tucker

Different Ways to Restore Cuspid in Gold

Dr. Tucker showed a series of clinical situations in which restoration of the cuspid could be achieved utilising both direct and cast techniques.

Of the direct techniques that were shown we saw the use of gold foil in the class 6 situation of lower incisors, and also a beautiful class 3 distally on the lower left cuspid.

A variety of clinical applications were shown for the maxillary cuspid including a situation where a typical keyway retention was not possible but a neat arrangement of the walls allowed for excellent retention. An unusual pin retained inlay was demonstrated where an initial countersink was placed (round 6/4) towards the labial aspect followed by the actual pin preparation allowing for a conservative restoration rather than full coverage. Emphasis was placed upon the importance of cuspid protected occlusion, and the means to obtain this.



Mr. Mark Ziemkowski

The Manufacturing and Care of Carbon Cutting Instruments

We were treated to an inside view of the intricacies and care devoted to the manufacturing process which brings to us the beautiful instruments that

enhance our lives in practice, and make it possible to produce wonderfully refined operations.

From the initial stock of steel, which must then be correctly tempered, including the problems associated in obtaining exactly the steel required, to the machines that are used at different stages to assist in the manufacturing process, all was made clear. Above all, however, the overwhelming amount of hand preparation by skilled artisans, the attention to detail in checking each and every bend to an exacting tolerance, the precise sharpening to produce exactly the formula stamped upon each handle.

We must salute those whose skills, intense devotion to duty and consummate consistency produce these wonderful instruments that allow us to exercise superior talents in the service of our patients.



Dr. Allan G. Osborn

The Use of Carbon Cutting Instruments in Refining Cavity Operations

The fundamental principles utilised in the refinement of cavity preparations were reviewed. The manner in which

each step with the instrument should be considered in 3D with the instrument always in degrees of active contact with two walls leading to the third wall so that all three bear an exact relationship the one to the other.

In a dedication to our Founding President, Dr. Bruce B. Smith, a series of slides depicting Bruce's rapid fire porcelain inlay technique were shown. These featured both class 3 and large class 5 situations exceeding 25 years of service.

Interspersed throughout the lecture were slides of various notable members both present, former and deceased who helped to make the Academy the great organization that we all know and cherish.



Dr. Lloyd Baum

Formulation, Fabrication and Condensation of E-Z Gold

A short description concerning the origins and guiding principles behind Goldent, and the succedaneous material E-Z Gold, the manner

of its development, the requirement for a stringently pure form of wax to contain the ultrafine spherical gold powder that is wrapped in pure gold leaf foil and facilitates the easy placement of foil into even the most unusual situations.

As with hand instruments a great deal of skill is required by the individuals who dedicate their lives to the creation of these fine products. All steps must be rigorously followed in the correct sequence, and for the prescribed length of time particularly where the chilling of the wax is concerned. Measuring the gold foil sheets that are used to wrap the differing sizes must be precise, as must the quantity of filler placed upon each tiny square.

The condensation process is facilitated by the spherical nature of the gold particles in each envelope, and a particularly dense mass free from porosity is relatively easy to achieve by any reasonably experienced operator. The manner in which a relatively rapid class 2 pack and finish is possible with this material was concisely demonstrated.



Dr. Mark A. Cruz

Incorporating Gold into an Esthetic Oriented Practice

Dr. Cruz practices in a part of Southern California where there is a heavy orientation towards "modern day" esthetic rituals. Following a short

description and slide display of the Office that he maintains in Monarch Beach, California, and an introduction to staff members, he proceeded to outline the philosophy of the practice that he maintains, and noting the nature of the discussions that take place with patients when either he or a member of his staff are eliciting a particular patients desires and concepts. In regard to particular desires or concerns that a patient may have regarding therapy they are requested to fill out a two page form that inquires into all aspects pertinent to their visits. In this way, knowledge is gained as to a patients intentions, the level of longevity and function a given individual is seeking. It is then a much simpler task to lead a patient in the direction of traditional durable procedures.



Dr. Frederick C. Eichmiller

Polishing Gold from a Metallurgical Standpoint

Gold forms a face centre cubic unit cell. A gold crystal lattice is formed upon solidification, the cells coming together to form grains. The

solidification process takes place in steps, and when it does we observe the formation of boundaries.

The nature of the lattice for gold was shown and the manner in which alterations take place when other metallic elements are introduced. It was noted that electrons occur in pairs, and that where one is missing in the outer ring sharing with other atoms may occur at this point.

Finishing and burnishing is in reality bending, and slipping and gliding occur between planes in the metal. This was beautifully shown by the manipulation of the original diagrammatic representation through computer simulation.

Twinning occurs where, for example, a cubic structure under force becomes hexagonal, but then by the application of heat returns to the original cubic form. Metallic deformation leads to parallel lines in the metal at 45 degrees to the applied load.

Gold Foil. Different? Well, maybe.

- 1) Extremely pure therefore it is well organised.
- 2) Grain orientation becomes more parallel as it is beaten, the grains being more parallel mean that it is easier to bend.
- 3) Strain energy lowers annealing temperature. At 300 degrees C. the strain in the unit cells is relaxed. The Brinell

hardness of 25 does become 30+ with manipulation, but it does anneal at mouth temperature over a period of time. Yield strength is almost zero for gold foil. There is no yield point. It always distorts.

Platinised foil has a very high annealing temperature, and in this case the hardness remains. The polished surface does however have minute pits that become filled with polishing debris.



Dr. Richard D. Tucker

The Art of Polishing Gold

For many years we have had a traditional routine in the polishing of gold foil restorations. This has been quite time consuming and somewhat laborious. "Young Dick" has

given deep and considerable thought to the process, and has evolved a far simpler and more effective system utilising the 12 bladed TC/FG burs that are now a part of everyday dentistry. Utilising a waterspray, and a very, very light touch — *there should be no tactile feedback*. The use of gold files and lengthy discing, that we undertook previously prior to final polishing, is all but eliminated. The discs that are used are fewer in number, and for a considerably shorter time span than with the traditional technique. One important factor here though is that the packing of the gold *must be really good!* (In this regard it is advantageous to accurately place the gold to position with e.g., a Varney Foot condenser so that it is evenly placed prior to definitive condensation with the straight 5/10's condenser.) Between each type of disc it was recommended that this gold be washed and dried to remove extraneous particles. A final polish is obtainable utilising Pumice/M303/M309 15 micron Al. Oxide, and now 1 micron Al. Oxide.

Having operated a considerable number of Class 1 & 2 foils it was noted that a lack of carved anatomy gave a far better marginal strength, and a durable result. In the case of the deeply carved foils under occlusal stress the margins were not tolerant of the forces involved where thin sections existed (over an extended period of time) and breakdown could occur.



Dr. Richard Hoard

Rationale for Cusp Coverage in Cracked and Non-Cracked Teeth

Everyone in practice periodically encounters a patient who complains of pain which is demonstrably caused by a crack

of some kind. It was noted by Dr. Hoard that Vertical Defects may extend longitudinally and proceed into the root. These

may initially have been a less significant incomplete tooth fracture.

Various preparations were utilised in order to assess their efficacy in dealing with this problem. The designs were the cast gold inlay, the cast onlay where a cusp was shoed, and fully capped onlay and finally the full crown. In testing a 15 lb. load was placed in the fossa with the following results: stresses were shown to highest where the inlay design was used, better where a cusp was shoed, again somewhat enhanced with the full capped onlay but certainly by far the best with the full crown design. It was also stressed that the margin of the casting **MUST** be below the fracture line, **and that in this regard one could only hope!**

Finally, a short note was made in regards to the cementation process, and the need to avoid particle accumulation generated through high pressures at this point of the procedure. Clearly adequate means to relieve this phenomenon during the construction and seating process are critical for long-term success.

(Dr. Hoard published an outstanding paper in regards to hydraulic pressures in crown cementation that I can highly recommend. Ed.)



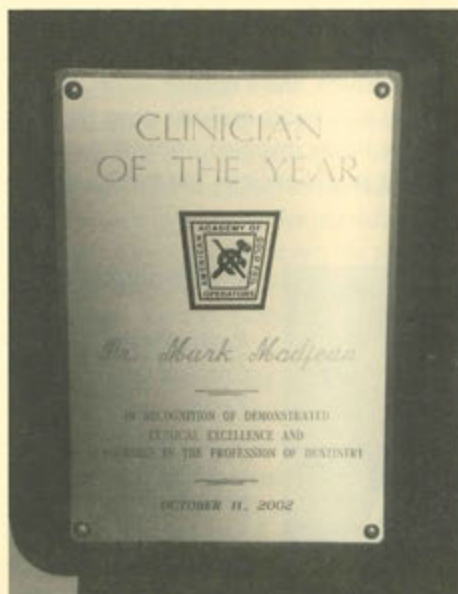
Dr. David Thorburn

Incorporating Gold in a General Practice

Began by describing the area and type of practice that he conducts. The area is a pleasant Vancouver suburb, the practice is a mixture of young and older patients. Inside is a pleasant and well-ordered operatory system and a congenial staff. The essence of building a practice in which there is a substantial amount of gold work being performed begins with the integrity of the individual and his or her ability to develop a bond with the patients in the practice. Patients for the most part do not understand the physical properties of the materials that we use or the level of biocompatibility presented by each one. In describing gold as the natural choice, and presenting the advantages gold has to offer in regards to performance, allows many to make an effective judgement in regards to their individual procedures. The relationship that gold has in regards to the bacteria that we are trying to defeat, and the benefits both local and systemic of a healthy mouth derived by using a material that is so close to natural tooth in coefficient of expansion were also noted.

THE VICTOR WILLIAMS OUTSTANDING CLINICIAN AWARD

Dr. Mark Modjean



This years recipient graduated from the University of Minnesota in 1977 from which time he taught in various departments of the Dental School including oral anatomy, Occlusion and Restorative Dentistry. Over time Mark rose through the ranks to the position of Associate Professor whilst commencing a private practice in Richfield, Minnesota.

Mark crafted the splendid meeting that we enjoyed in Minneapolis, and has served in various capacities. In the G.V. Black Gold Foil Study Group whose sessions are held in the University of Minnesota. In 1985-1987 he was Secretary/Treasurer, and in 1998 he was President of the Club.

He is married to Suzanne Drost for 26 years, and amongst other hobbies likes to race Formula Cars.

Congratulations Mark upon a well deserved honor.

Allan G. Osborn

CLINIC





Officers Slate for the Ensuing Year

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