



**american
academy
of
gold foil
operators**

Gold Leaf

J a n u a r y 2 0 0 1

PRESIDENT

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EXECUTIVE COUNCIL

2001 Dr. James Gourley
2002 Dr. Scott Barrett
2003 Dr. David Thorburn

AMERICAN ACADEMY OF GOLD FOIL OPERATORS

Annual Board Meeting November 1, 2000

IHILANI HOTEL - THOMPSON BOARD ROOM - HAWAII

Meeting was called to order at 2:10 p.m. by President Tim Carlson. Members present were: Drs. Barrett, Bridgeman, Carlson, Cochran, Eichmiller, Gourley, Harris, W. Johnson, Keene, Lund, Ramage, Thorburn, Tucker(s), and Vernetti.

The agenda for the meeting was distributed to all present. Minutes of the February 23, 2000 Chicago meeting were approved as published in the Gold Leaf in July.

Treasurer's Report:

Assets - October 22, 2000

CD	\$30,000.00	Matures 5/22/01
CD	25,000.00	Matures 8/19/01
Checking	<u>26,347.71</u>	

Total \$81,347.71

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

Receipts - 2000* \$54,715.01

Expenditures - 2000** 37,315.80

\$17,399.21

*\$2,863 to be collected at meeting in addition. Also, greatest portion of dues collected in 1999.

**Does not include all expenses for this meeting.

Assets - January 1, 2000

CD	\$30,000.00
CD	25,000.00
Checking	<u>8,538.68</u>

\$63,538.00

Difference in Assets during 2000 +17,809.03

Dues + Journal Subscriptions 13,925.00

Journal Subscriptions Paid 6,970.00

Dues Received - 1999 6,955.00

Total members 284 (9 to be dropped and there are 10 new applicants, bringing total to 285). Dues paying members 182 (plus the 10 new members for next year).

Life Members = 81

Honorary = 4

Correspondence:

Several letters from members not wishing to renew membership. Notes from several Hawaiian dentists to attend clinical portion at a fee of \$40 each. Letters from exhibitors Thompson and Ivoclar with contributions, but no attendance.

Journal Report:

Dr. Cochran reports a good first year with the Journal with some successes as well as some difficulties. The Journal has been modernized in appearance, and almost doubled in

size. There is an attempt to reduce backlog of articles with the hope of publishing within six months of receipt of a paper. Corporate sponsorship has been fairly successful in increasing funding - it is up to 9 in 2001 as compared to 6 in 2000. A new web site has been instituted. Subscriptions are up from 1999.

The symposium on Caries Management Alternatives held in Charleston in September was quite successful and papers from the speakers will be published as Supplement #6.

Due to increase in size of the Journal, and an increase in postage costs, there will probably be a \$10 increase in subscriptions for individuals in 2002.

Drs. Cochran and Carlson thanked both Academies and the Seattle Editorial group for their support.

2000 Meeting:

Dr. Tucker has the essay program with a series of 15 speakers on direct gold with presentations of 30 minutes or less. Dr. Keene has had problems coming up with worthwhile lesions for the clinical portion, so there will be only 11 operations. Other arrangements are all in order.

Future Meetings:

2001 - Indianapolis, October 10-14 - We will be at the new Marriott Hotel.

2002 - Halifax, N.S., September 25-28, if all goes according to plan.

2003 - Seattle or Los Angeles. Undecided. No dates yet.

Committees:

Gold Leaf - Dr. Osborn was unable to attend due to a medical problem in Vancouver.

Literature and Research - Nothing new to report.

Nominating - David Thorburn has been selected as the new Board member.

Interacademy Liaison - Just Journal business.

Education and Clinical Seminars - No report. A chairman is to be named for 2001.

Constitution and Bylaws - No changes in the making.

Necrology - Three deaths report: Miles Markley, Earl Maston and Adalbert Vlazny. We also received the sad news that Harold Schnepfer's son Doug had passed away due to melanoma.

Outstanding Clinician - Bill Pike has been selected.

Distinguished Member - Ron Harris will be this year's recipient of the honor.

Ad hoc European Section - No report at this time.

Unfinished Business:

None to report.

New Business:

There was none.

The meeting was adjourned at 4:05 p.m.

Respectfully submitted,

Ronald K. Harris, D.D.S., M.S.D.

Secretary-Treasurer

President's Message

Congratulations are in order for Dr. Tim Carlson, for giving us another outstanding American Academy of Gold Foil Operators Meeting. The clinicians brought their equipment and expertise from all over the country to share with the membership their approaches to the treatment of every day dental lesions with direct gold restorations. You will never find a more hard working group of operators. The Essayists began their preparations many months in advance to give us one and a half days of excellent educational material, technique, and just plain good ideas, for completing direct gold restorations. I wish I had all of the lectures on video so that I could review them. Thank you to all of you for your contributions in making this such a great meeting. Of course, we can't forget to give a special thank you to our secretary, Dr. Ron Harris, and his wife LaVerne, who spent so much of their time taking care of the Academy's business and arranging future meetings. Thank you Ron and LaVerne for guiding us through another great meeting. This year's location was indeed an outstanding place... let's go back there again so I can finish my tan.

It is obvious that our greatest asset lies in the knowledge and talents of our membership. I hope that as our meeting travels to all parts of the northern continent, we will take the opportunity to distribute some of our knowledge, given unselfishly to us by others, so that other dentists may be as

fortunate as we have been, to enjoy the satisfaction of providing our patients excellent dental treatment. Many dentists live in areas where there are not enough dentists to form direct gold study clubs. It seems only natural that this academy might be a "study club" to many individual dentists seeking instruction in direct gold technique. Although we may take it for granted, every year our meeting provides a "course", both lecture and clinical, in direct gold restorations. Within the membership of this academy resides the greatest reservoir of direct gold restorative knowledge and ability available perhaps anywhere in the world. It should always be our focus to provide educational opportunities in direct gold restorative technique for ourselves as well as others at every American Academy of Gold Foil Operators meeting. It is time now to mark your calendars for the next American Academy of Gold Foil Operators meeting which will be held in Indianapolis, Indiana on October 10-14. Dr. Robert Keene is already working on another great lecture session, and Dr. Warren Johnson is collecting names of operators for the clinical session. The membership of this academy is so close, it seems like one big family. I look forward to seeing all of you again in Indianapolis, if not sooner.

Sincerely,
Dr. Richard D. Tucker
President, AAGFO

From the desk of the Secretary

Those of you who had to miss the meeting in Hawaii missed a spectacular setting. As expected, things were a bit pricey, but the food was great and the beach beautiful. The Luau was pretty decent, but there were a few strangely familiar derrieres attempting to do the Hula on stage. Ron and Dave — better keep your day jobs. Young Isabel Bogacz stole the show. On a more serious note, the Arizona visit was very sobering, and the tour on the Missouri was inspiring. The clinical session went fairly well, but Bob would have preferred to have had some better lesions for the operators. The lectures were brief and worthwhile — a very good format, and things went off on time. The hotel did a spectacular job of setting up the banquet and their entire staff was very accommodating. The Ihilani would be worth a return trip!

I had asked for changes/corrections for the Roster at the beginning of the year, and received a number of them, but after distribution, received several others:

Don Benson is now retired/Life so there is no office

number. Address to use is: 1922 SW Westwood Ct. Rochester, MN 55902.

Gary Umeda is a new member from Hawaii. Address is: 1580 Makaloa St., Suite 560, Honolulu, HI 96814.

Mark Cruz has a change in phone numbers: (h) 949-363-1539, (w) 949-661-1006.

The following members should be listed in the new roster as Active vs. Associate: John Christensen, M. Cruz, M. Webb, D. Henry, A. McKibbin, and Eric Morrisson.

The Bruce Smith study club is no more. Bruce is now the mentor for the George Ellsperman club, and Warren Johnson is Secretary (Delete Hamilton, Redfern and Walter).

We lost several older members during the year: Miles Markley, Earl Maston and Al Vlazny. In addition, a few words were spoken for the loss of Harold Schnepfer's son, Doug. We grieve for you Harold and Clara.

Ron Harris

COMMITTEE APPOINTMENTS FOR 2000/01

Please review the committee appointments for 2000-2001. If you are interested in another committee, or wish to be removed from a committee, please give me a call, or e-mail at RTu2271093@aol.com.

Thank you,
Richard D. Tucker

Scientific Sessions:

Dr. Robert Keene Ch.
Dr. Warren Johnson V-Ch.

Literature and Research:

Dr. Fred Eichmiller Ch.
Dr. Kinley Adams
Dr. Mike Cochran
Dr. Tim Carlson
Dr. Melvin Lund
Dr. Maxwell Anderson

Constitution and Bylaws:

Dr. Melvin Lund Ch.
Dr. Mike Cochran
Dr. Tim Carlson
Dr. Ron Harris

Nominating:

Dr. Fred Eichmiller Ch.
Dr. Craig Bridgeman
Dr. Tim Carlson

Inter-Academy Liaison:

Dr. Richard D. Tucker Ch.
Dr. Ronald Harris
(Sec.-Treas.)

Education and Clinical Seminars:

Dr. Darryl Farley Ch.
Dr. James Gourley
Dr. Bruce Small
Dr. Eben DeArmond

Necrology:

Dr. Nelson Rupp Ch.
Dr. Richard V. Tucker
Dr. Glenn Burkitt

Outstanding Clinician Award:

Dr. Ralph Stenberg Ch.
Dr. Allan Osborn
Dr. William Pike

Distinguished Member:

Dr. Glenn Birkitt Ch.
Dr. Norman Ferguson
Dr. Ronald Harris

Ad hoc Committee for International Meetings:

Dr. Warren Johnson
Chairman
Dr. Jim Verneti
Dr. Harold Schnepfer
Dr. Halla Sigurjons
Dr. Joshiroh Katoh

Banquet Festivities



INDUCTION OF THE FOIL OFFICERS... Presenter Dr. R.V. Tucker, Dr. R.D. Tucker, Dr. Robert Keene, Dr. Warren Johnson, Sec.-Treas. Dr. Ronald Harris, Dr. James Gourley, Dr. Scott Barrett, Dr. Dave Thorburn, Dave Thorbory.



President Dr. Carlson addresses the banquet.



Dr. Verneti invocation.



New member Gary Umeda.



Dr. Timothy Carlson passing the gavel to upcoming president Dr. Richard D. Tucker.



President Tucker presenting thanks to ex-president Carlson.

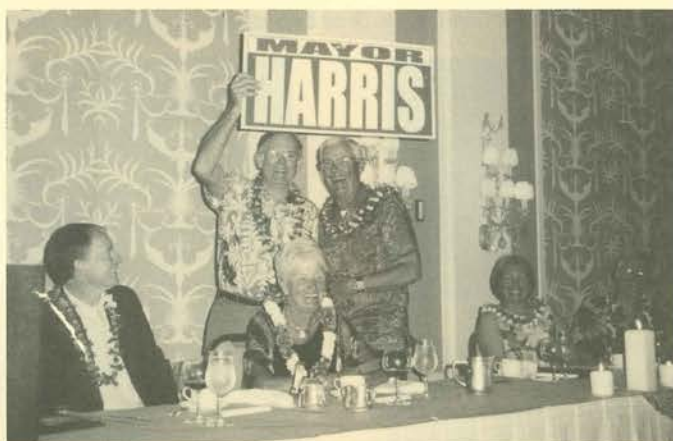
Luau



Dave Bogacz and Isabelle Bogacz entertain the troops at the luau.



King of the hill at the luau.



A campaign sign presented to Ron after his award.

CLINIC SESSION



Dr. Wendal Foltz.



Dr. Dave Bogacz.



Dr. Mark Cauz.



Dr. Bruce Small.



Dr. Williams, local Navy contact.



Dr. Andy McKirbin.



Dr. Jim Guptill and Dr. Ron Benson assisting.



The "hangers on".



First the operator Gary Umeda being mentored by Dave Thorburn.



Dr. Scott Barrett and son.



*Check that blade... of the foil – a class V.
Dr. Barry Evans.*



Casual group!



The pros talking it over.



The naval assistants checking out Dr. Bogacz.



Why aren't these foils done yet?

AMERICAN ACADEMY OF GOLD FOIL OPERATORS

Distinguished Member Award

Dr. Ron Harris

It is our pleasure this evening to present the AAGFO Distinguished Member Award to Ronald K. Harris.

Ron was born and grew into his adult life in Milwaukee, Wisconsin. He contends that his life during this time was predictable and consistent with those of his fellow schoolmates.

Following high school Ron was employed as a lifeguard and during this time a girl would make several visits to his guard station. It is assumed that LaVerne was forewarned that if she spent much time in the shadow of his station it could lead to consequences. As a result Ron and LaVerne were married in 1957.

By this time, 1955, Ron had earned a BA at the University of Wisconsin with a degree in Spanish as he thought his future lay either in Miami or Southern California. He graduates with his DDS from Marquette University in 1959. During this time he gained financial support by being a service station attendant, a postal worker, cab driver, a brewery worker at Blatz Brewery and a pin setter at a bowling alley. Concerning the latter, there

may be a dental student or two who may have wished to have known this.

While in dental school Ron became a US Naval Reserve officer and served two years active duty after graduation. He then began private practice in New Berlin, Wisconsin. However, after two years, he noted that he had a distinct aversion to some elements of private practice. He also noted that he enjoyed the nomadic lifestyle inherent to the Navy. So for 18 years he was a vital part of the US

Navy Dental Corps. He retired as Captain and Chairman of Operative Dentistry at the National Naval Dental Center in Bethesda. During this time he attended the Naval Graduate Dental School. It was our good fortune that the Navy sponsored Ron for two years to our Graduate Program in Operative Dentistry and Dental Materials at Indiana University. He was active as Board member of the Federal Services Board of General Dentistry. He had the usual ship duty and also was sta-

Continued on next page.



Dr. Ron Harris was presented the Distinguished Member Award by Dr. Melvin Lund.



Dr. Melvin Lund presenting the Distinguished Member Award to Dr. Ron Harris.



Dr. Ron Harris and Mrs. LaVerne Harris.

DISTINGUISHED MEMBER AWARD – *Continued*

tioned in the Philippines and Spain as well as the Pacific and Atlantic sides of the U.S.

Upon leaving the US Navy, Indiana was fortunate to have Ron join our faculty and for 12 years he carried the responsibility of directing first year Operative Dentistry and the imprint of his work continues to the present time. At the same time he contributed effectively to the education of our Graduate Operative students. There were several times during Ron's sojourn that he would chauffeur a group of us to the nearby Air Force bases as we made patient demonstrations with direct gold.

As we will out Ron's profile it includes a variety of activities which are not related to dentistry but are very helpful to his community. He is very active in the councils and in the music of the Lutheran Church. He is a member of the Freemasons, Scottish Rite and Shrine and as a result is a long term piper in the Shrine Band and he gets to answer questions about the wearing of the kilts. He contributes in a very helpful way as a volunteer in his local hospital. He has frequently been observed working as a volunteer at the Professional Tennis and Senior Golf Tournaments that come annually to Indianapolis.

For many years he has had an active interest in the game of golf and at the time of retirement he was playing to a 17 or 18 handicap. Now that he has had time to practice and refine his game and because of his intense effort on the golf course we find him playing to a 17 or 18 handicap.

Memberships in dental organizations include OKU, ADA, IADR and is a fellow of the Academy of General Dentistry.

He holds a fellowship in the American College of Dentists and is a charter member of the Academy of Operative Dentistry. He has served in the offices of the American Academy of Gold Foil Operators being President in 1985.

Now the major item that draws our attention to him is his activity as Secretary Treasurer of this organization since 1992. In this office Ron has provided a stellar performance. It is a position that expects close attention to detail. At each meeting site he has been effective in arranging the accommodations to be most helpful to all the members. The fact that we add a clinical component to our meeting automatically creates a higher difficulty which is not observed in other dental organizations.

The Ron and LaVerne family unit is embellished by Claudia, an Occupational Therapist in Cincinnati who with her husband have two children. There is also a son Brad who is an Architect in Atlanta.

Ron and LaVerne are blessed in many ways and they in turn do their best to spread those blessings to others. Along with this one can conclude that Ron is a man of means. This can be determined by calling him in July and you will find he is on the golf course or you may call him in January and you will learn he is on a cruise.

It gives me a great pleasure this evening to present to my friend and colleague the "Distinguished Member Award". This continues the long-term reputation and luster of this Academy.



Warren Johnson



Dr. Ron Harris thanks the Academy for the honor.

DIDACTIC SESSION

Dr. Richard Stevenson Direct Gold in Education

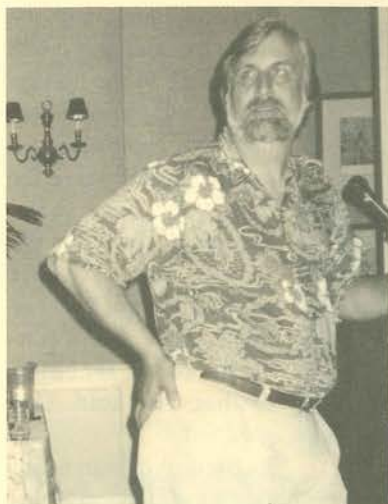


Dr. Richard Stevenson

Gave us an appraisal of the current status of gold foil in the teaching process throughout the dental school system. He indicated that gold foil had become an elective throughout North America, and that the availability of teachers who are able to effectively relay the required level of expertise has dropped dramatically. Only the better schools are equipped to conduct instruction in sophisticated gold work, there is

a fairly universal tendency towards full coverage restorations, particularly those which are porcelain baring.

Dr. Fred Eichmiller Direct Gold Materials



Dr. Fred Eichmiller

Brought us information about the various types of gold foil that are still being manufactured thanks to Mr. Victor Williams. He noted the ongoing popularity of the rolled pellets that are supplied as a book containing sheets of non-cohesive gold (1/10 oz). The uses for the E.Z. Gold in its special wax matrix as devised by Dr. Lloyd Baum at Loma Linda University. The prepared rolled cylinders no

longer have the vogue that they once had, albeit this may also to a large extent be due to the lack of further usage within the teaching establishments. Bulk placement of Matt Gold has always been popular in some quarters, and controversial in others but remains very helpful where indicated.

Dr. Jim Gourley Rubber Dam #212. Separators



Dr. Jim Gourley

Gave us insight into the easy placement of rubber dam in everyday practice as well as those applications that we require for the placement of gold foil. The manner in which the holes are placed being important to the success of the mission. The application of the 212 retractor, giving careful consideration to the health and safety of the gingival tissue, the manner in which the 212 retractor is amenable to

modification to suit virtually any situation were pictured in detail. Where application of the Ferrier separators is concerned, it was emphasized that due care must be taken during their application not to stress the threads. To accomplish a suitable field the separators must be stabilized with red compound prior to being activated, only light contact being utilized to aid in their exact placement prior to stabilization. The gentle nature of the action was noted when they are applied in a normal controlled fashion.

Dr. Richard D. Tucker Buccal Pit Gold Foil



Dr. Richard D. Tucker

In discussing the buccal pit showed that not only is this a highly advantageous restoration from the patients perspective (particularly for the younger patient) but that this is a form of gold foil that is relatively easy to accomplish, and a great place in which to introduce new operators to the art of gold foil.

Dr. Margaret Webb Class V Gold Foil



Dr. Margaret Webb

central areas. It was also noted just how useful the protocols and precision engendered by direct gold restorations and study club activity were throughout the whole gamut of procedures that are the daily routine in a dental office.

Dr. Craig Bridgeman Class VI Gold Foil



Dr. Craig Bridgeman

were also noted, albeit there is no current plans to implement production.

Looking first at some of the indications for this restoration, and the advantages from the standpoint of longevity and gingival health we were shown the armamentarium required for a straightforward and disciplined approach to the preparation, and the various ways in which it is possible to succeed with to placement of the gold, all the while ensuring that the integrity of the marginal placement takes priority over the

The Class VI gold foil is one that, given the importance to the occlusion of good cuspid form, should be one of the more frequent modalities for therapy employed in the dental office. When it is used there are certain guidelines that were demonstrated, and it was particularly noted that this need not be considered a difficult restoration to perform. The advantages and possibilities of using the platinized gold

Dr. Norman Ferguson Class III Distal Max. Cuaspid



Dr. Norman Ferguson

the importance of this permanent restoration in maintaining the position and integrity of the buccal segment, and thus maintaining stability in the occlusion.

For many years Norman has performed legendary feats of clinical expertise at our annual meetings. There has always been a great crowd of onlookers eagerly surrounding him, and a long line waiting to see the final restoration. This time he shared with us the meticulous discipline that he has always employed to achieve the spectacular results that were a hallmark of so many meetings. He noted

Dr. Bruce Smith Class III Lingual Approach



Dr. Bruce Smith

ical anesthetic, ex: "Hurricane". Let it stay over the injection site long enough to allow pain free needle insertion and avoid "fear of the needle".

Select your case carefully, especially at first to ensure that caries will not cause the labial margin to extend where it can be seen. If it will, use a trustworthy type material such as a fired, well-fitting porcelain inlay, with good retention and without fragile fins.

For foil, the area should be fairly small and hopefully a little toward the lingual without incisal involvement.

Throw away your chemistry sets, your bonding agents and adhesives, and put your lamp bulb in the bottom drawer and try some fine dentistry, completely esthetic that will serve for forty, fifty, sixty years. Proven by service in the mouth; not just short small surveys of a year or a few years. Avoid concerns about leaching methacrylic acid. Use gold foil.

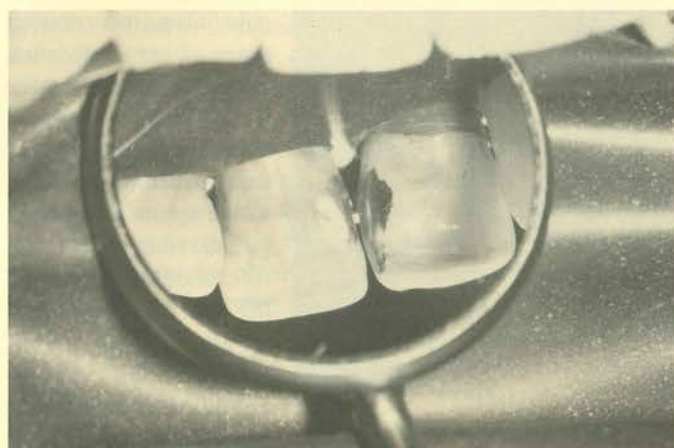
Before you start to operate be sure to use a top-



A brief history of the development of this type of operation may be of interest. In the early 1930's, Baird and Rule in the San Francisco area advocated this type of operation and recommended using a small cylinder of non-cohesive foil placed against the labial wall. Ferrier disagreed and felt that this would lead to caries. Ernie Jones, however, wrote (A.D.A. Journal in April, 1939) advocating the technique and presenting a cavity with a separate axio-lingual wall as well as a proximal axial wall. In the 1940's, Bud Fisher of Portland, Oregon, gave chair clinics demonstrating a slot-type of preparation with strong retentive incisal, gingival and labial walls.

Harry True, when at the University of Physicians and Surgeons in San Francisco, published a related type of operation that was not hidden but was called the Inconspicuous Class III Foil (J.A.D.A. Sept. 1943). The labial outline, though slightly in view, paralleled the proximal contour of the labial plate of the enamel in a harmonious curve. Access was secured through the lingual incisal. True's notable offset angle formers were included later by Jeffery in his instrument set.

In 1950, the author published an operation designed for the mesial of the maxillary cuspid (J.A.D.A. and Yearbook of Dentistry). This was with the thought that due to small lateral incisors and the relatively conspicuous mesial of the cuspid, a hidden foil done from the lingual would be an asset. Further, the technique was relatively easy for the average practitioner. With the patient's head tipped back at 45 degrees and the chair at 45 degrees, the work could be done by direct vision.



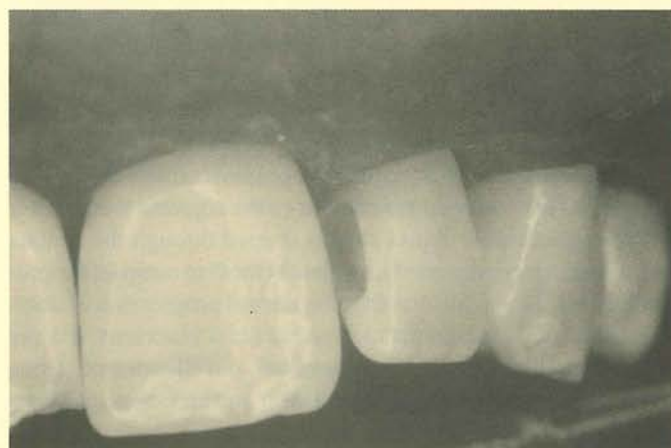
In 1957, Alex Jeffery designed a set of instruments to facilitate work on the incisors (Suter Instrument Company, Chico, California). He included the True offset angle formers and the U of W set B #11-S, designed for foil condensation on the mesial of the cuspid. This design has a unique feature whereby the face of the condenser is at a right angle to the shaft of the instrument and the metal is slightly thicker to prevent springing action. This is in contrast to the U of W set B #10. This right angle design allows the condensing force to be utilized by the entire face of the condenser, and in a lingual approach, facilitates cavo-surface coverage of the labial wall.

The Jeffreys set is very complete with cutting instruments and condensers. The cutting instruments have very sharp sides and rotated enamel hachets, some with angle former type cutting blades.

Jeffrey's contribution to cavity preparations was the addition of gingivo-axial pits on the labial and lingual of the gingival. These are made with a 33 1/2 Inverted cone bur. The side flutes of the bur can be ground off to make it end cutting only and to make it smaller.

In 1960, William Kramer (A.A.G.F.O. Journal, Oct. 1960) wrote about hidden, not invisible, Class III Foils for adolescents. The tooth root should be fully formed, but with their thicker periodontal membrane more separation and smaller preparations are possible. This approach, like True's, was inciso-lingually.

Continued on next page.



In this respect, sometimes a very tiny contact point type of foil can be placed using modified #7 and #8 Spoons by Suter. The sides are ground flat and the cutting end is modified to sharp straight angle. A pair of these, for forward and reverse cutting, look like tiny gingival margin trimmers. This type of operation requires a highly skilled operator.

Another pair of gingival margin trimmers, designed by Clint Fleetwood, #28° and #29°, are of normal length and curvature but are much narrower than the customary #28 and #29. They are great help in lingual approach, especially in securing retention areas and a retentive gingival wall. The normal #19, 3-2-28 hatchet helps retention in the incisal area.

The cavity frequently can be opened with a narrow chisel. A small 700 or 500 series bur can enlarge the preparation and set the location of the labial and lingual walls and also rough out the interior. A triple 0 round bur can set up the incisal retention and gingival pits for instrumentation. Well-planned walls are very helpful for distinct margins and allowing the gold to flow smoothly into place.

In foil placement the labio-gingival retention and cavo-surface margin are covered first and a normal bar of gold built across the gingival to the lingual retention. Occasionally the size of the preparation will allow the gold to be placed up the retentive labial wall from the gingival retention. Great care must be taken to cover and condense the labial cavo-surface angle and to ensure a slight excess. There will be no chance to add foil later from the labial.

Separation may be used with care during condensation, as a greater amount must be secured later in finishing. Some prefer to condense the foil and wedge separation as they build the foil using the separator after condensation. This technique allows more freedom and access in operating.

Separators are varied. The Ferrier separators distribute the stress to several teeth and give a more gentle but more positive action. The Jack-screws can be slightly modified using a little XXX carborundum and a glycerin paste. This gives a little looseness so the operator can feel the pressure exerted on the teeth and not be confused by the binding of the screws. It will also allow one jaw to be lower or higher to protect the gingiva. The jaws can be thinned carefully to gain closer tooth adaptation and give greater access.

We have found the True separator even with its single arch to be very inconvenient. However, the so-called wedge separator with points that are rounded (and if well stabilized) does not injure the gingiva. It can give great access and rapid simple operation. Care should be taken as it works rapidly. The Ferrier separators seem to have a little more springing affect as their separating movement seems to slowly continue.

In finishing, one must realize the proximal shape of the condensed foil has assumed the contour of the adjacent tooth. After a slight separation a matrix strip is slipped through the contact and at first, wrapped around the adjacent tooth to compact the protruding foil. This is followed by the normal progression of abrasive strips used in a manner to preserve the contact area. It is not necessary to highly polish the restoration. A well-worn extra-fine cuttle strip can leave a creditable finish and an esthetic restoration that will serve the patient for very many years.

Photography: Robert J. Murray, Alex Jeffery and the author.

NOTE: For the uninitiated, courses are available through A.A.G.F.O. President, Richard D. Tucker. Secretary, Ronald K. Harris, 17922 Tallgrass Court, Noblesville, IN 46060, (317) 687-0414.

Bruce B. Smith, D.M.D., B.Sc.
1564 77th Place N.E.
Medina, WA 98039

Dr. Robert Allen Class II Gold Foil



Dr. Robert Allen

Using the philosophy espoused by Dr. Walden Ferrier the manner in which a class II can be achieved, the nature of the extension and conservation of structure, and the rationale and suitability in different circumstances were discussed in detail. Placement of the gold and the need to proceed with post condensation as the pack proceeds were all noted. In certain situations, e.g., the mesial of a lower first premolar an extremely conservative

and durable result can be achieved. The use of the separators, and the care required when employing the long finishing strips were emphasized, as was the ability to use some non-traditional techniques to aid with and speed up the finishing technique.

Dr. Warren Johnson Gold Foil and Castings



Dr. Warren Johnson

Dr. Johnson demonstrated with his usual superb slides the manner in which a combination of gold foil and inlay or other types of cast restoration can be utilized to allow the clinician to conserve to the maximum a patient's existing structure. A conservative approach that will give the recipient a far better chance to pass through life with the highest quality of oral health, and the least possibility of a renewed necessity for further intervention.

Dr. Michael Cochran **Slide Review of the Clinical Operations**



Dr. Michael Cochran

We must all take our hats off to Michael who has consistently produced outstanding slides of the clinical sessions without interfering with either the clinical process or the mental health of the operator. This has made a very significant contribution to the meetings, and involves a great deal of concentrated effort, timing, and presence of mind.

Dr. David Thorburn **Class V Gold Foil**



Dr. David Thorburn

The design of the class V is such that where lines are parallel an aesthetic result can be achieved because such lines do not catch the eye. The placement of the restoration parallel to the occlusal plane allows the clinician to achieve this objective. In packing certain conditions need to be met. There are different ways in which the class V can be commenced, whether it is with the excellent E.Z. Gold developed by Dr. Lloyd Baum, or the use of Mat Gold as

favoured by others, many still like the technique where the individual pellets of unannealed gold are used to line and protect the walls of the preparation during packing. In all cases a suitable line of force which does not tend to dislodge the restoration is used, and the walls are condensed ahead of the central portion of the restoration. A pressure of 17 lbs/sq" has been found to be most effective in condensation, as is a clean ethyl alcohol flame in the annealing process. In finishing the gold careful observation of the cementum is required, and it is relatively easy to guard this tissue by observing the effects produced upon the gold surface by the rotating discs of each grade. The final polishing powders, and the use of the greenie cups must always be carried out with a view to maintaining the gold at normal temperature, as it is in heat production that we meet our only problem.

Dr. Richard V. Tucker **Class III Distal Mand. Cuspid.**



Dr. Richard V. Tucker

Dr. Tucker demonstrated the essential differences between the upper and lower procedures on the distal of the cuspid with a series of beautiful slides in which the manner in which a gold foil in this position can compliment other types of gold restoration in this arch. The maintenance of the lingual plate of enamel and dentine being an important element in the allowing the clinician to achieve success with very little difficulty.

The manner in which the gold is introduced to the preparation is also at variance with the upper procedure and leads to a superb clinical result.

Dr. J. Martin Anderson **Class II Foil, Retrospective**



Dr. J. Martin Anderson

Few clinicians have had more experience with the Class II Gold Foil than Dr. Anderson. He has frequently demonstrated these lovely restorations at clinical sessions, and has developed an excellent series of slides which detail the technique. He was thus able to authoritatively show us which cases were indeed suitable for selection, and how various types of gold foil in this situation had stood the test of time,

and other cases where perhaps it might have been better to have selected a cast restoration instead.

Victor Williams Outstanding Clinician Award

Dr. William T. Pike has been at the forefront of dentistry in the New England area for a great many years. He was a founding member of the New Hampshire Gold Foil Seminar, and has been influential in both the teaching and promotion of gold foil throughout the northeast.

He was the first dentist from this area to become board certified under the auspices of the Operative Academy, our sister academy.

Following service in the United States Air Force Bill settled into practice in New London where he and his wife Marilyn (nee Fletcher) raised three beautiful daughters. Not only does he have a good singing voice, being in demand to sing in choirs, he is also an avid sailor and competitor in a wide variety of outdoor pursuits such as tennis, skiing, golf, and hockey.

With thanks to Mr. Victor Williams who initiated and sponsors the award, it is my pleasure to present the Clinician of the Year Award to Dr. Bill Pike.



Dental greets... west and east.



New Hampshire Dental Study Group founders and their wives, Bob and Jean Keene, Bill and Marilyn Pike, Leo and Polly Santacon.



Bob Keene presents Bill Pike with the Outstanding Clinician Award.

Editor's Apology...

I was very sad that I was not able to attend the Annual Meeting in Hawaii. Following a visit to a local curry house in Vancouver I was confined to the Emergency Department at St. Paul's Hospital in Vancouver until long after my flight had departed, and was not able to continue outward bound until the Sunday upon which the meeting concluded. The staff in the hospital were extremely considerate, and sympathetic, but were not able to turn me around in time for the flight.

I would particularly like to thank all those who wished me well, and expressed their sympathy.

Allan Osborn



USS Missouri Memorial.



*Father and son Presidents (and graciously elected).
A "chip off the old block".*

Miscellanea

