



**american
academy
of
gold foil
operators**

Gold Leaf

JANUARY 1992

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EXECUTIVE COUNCIL
1992-Dr. Maurice E. Logan
1993-Dr. Glenn H. Birkitt
1994-Dr. Barry O. Evans

AMERICAN ACADEMY OF GOLD FOIL OPERATORS

Minutes of Board Meeting — October 2, 1991

Four Seasons Hotel, Vancouver

1:00 p.m. — President Michael A. Cochran called the meeting to order.

1. The Minutes of the February 13, 1991 Board meeting were approved as published in the August 1991 Gold Leaf.
2. **Correspondence:** Letters were discussed which came from Drs. Gian Carlo Chiarini and Andrea Chiarini
 - a. Telling of the successful II International Gold Foil Meeting in Italy.
 - b. Exploring the possibility of forming an European Division or Section of the American Academy of Gold Foil Operators. This was deferred to New Business.

Letters from Drs. Baker, Keene and Pike expressing their regret for not being able to attend this year's meeting, and wishing us a successful meeting.

3. **Local Arrangements:** Dr. Ted and Doreen Ramage have organized the social events: Banquet at the Vancouver Aquarium on Wednesday and the President's Banquet at the Grouse Mountain Restaurant; and two tours — a special guided tour of the Anthropology Museum for the spouses and an all area tour for all attendees in the afternoon.

Drs. Ramage and Baynes have arranged the clinic session at the B.C. Dental School. This entailed getting patients and matching lesions with operators.

4. **Treasurer's Report:** Six month interim report

ASSETS 9/12/91	
Check book	\$ 674.31
Money Market	27845.93
CDs	<u>25000.00</u>
	\$53520.24
Receipts to 9/12/91	\$46871.81
Expenses to 9/12/91	<u>28432.07</u>
	18439.74
Members dues — 1991	15789.00 = 263 dues paying
— 1990	15282.00 = 254 " "
Journal rollover of subscriptions	15275.00

5. **Reports of Standing and Special Committees**

Membership — Don Benson — 16 New Associate Members
5 New Active from Associate

Two of the applications were not complete; several important blanks were not answered. The ensuing discussion urged all sponsors to assure a complete application. The Secretary will return such applications to the applicant.

Public Relations — David Bridgeman — no report.

Education and Study Clubs — Glenn Birkitt — Another concentrated effort is being made to update the list of Study Clubs.

Distinguished Member — Jose Medina — This year's awardee is Dr. Floyd Hamstrom.

Young Clinician Award — Ron Harris — This year's awardee is Dr. Richard D. Tucker.

Literature and Research — Tim Carlson — The Chronological bibliography has been revised to Oct. 1991. Two research projects are underway to determine the density of various types of direct gold after compaction. Necrology — Bill Roberts — Dr. Ralph W. Phillips an Honorary Member.

Dr. Wade Hagerman a retired Life Member.

Editor — Dave Bales — They are compiling the manuscripts from the International Symposium on Dental Adhesives for publication as a supplemental issue or book.

Constitution and By-Laws — No changes recommended at this time.

Gold Leaf — Allan Osborn — The latest issue was mailed in August 1991.

6. **Future Meetings:**

1992 — Orlando — Clinic Session — Naval Dental Clinic. No information on hotel at this time.

1993 — San Francisco — Both dental schools have turned down our request for use of clinic space.

Oregon University School of Dentistry has indicated they would look favorably on a request. Such a move would require a Wed.-Thur. format thus the Board wants to investigate the possibility within one of the military dental clinics in the San Francisco area.

7. **Unfinished Business:** This was covered under the heading Committee — Constitution and By-Laws. No recommended changes at this time.

8. **New Business:** The proposal by Drs. Chiarini to organize an European Section was very favorably discussed.

Dr. Andrea D. Chiarini proposes the following points as starting points for the organization.

- a. The Executive Council would remain the same — AAGFO.
- b. The Secretary/Treasurer also remain as is.
- c. A Secretary/Treasurer for the European Section would be voted by the European members.
- b. The fee for membership will be paid as it is now to the AAGFO. There will be a fee to the European Section for mailing and other administrative expenses.
- e. Every two years there will be a meeting in one of the countries where a member will organize everything.
- f. The annual meeting will be the same as it is now for European and American members.
- g. Our interests will be identical to those objectives of the AAGFO. A committee, to be chaired by Dr. Allan Osborn, was appointed to study the proposal and report to the February 1992 Board Meeting.

New Business continued:

- a. Dr. Ron Harris reported that the Indiana Direct Gold Course will be given on June 9-12, 1992. As in the past, two courses are offered, Basic and an Advanced course. The response to these courses has been most favourable in previous years.
- b. The Board approved making a \$200.00 contribution to the Canadian Dental Association's Dental Health Program in lieu of our contribution to the ADA's Dental Health program.

9. **Adjournment** — 3:45 p.m.

Continued on next page

Members Present

Dr. Michael A. Cochran	Dr. Glenn Birkitt
Dr. Alfred C. Heston	Dr. Ted Ramage
Dr. Richard J. Hoard	Dr. William J. Roberts
Dr. Ralph L. Lambert	Dr. Chester J. Gibson
Dr. Maurice E. Logan	Dr. Nelson W. Rupp

Committee Appointments for 1991-92**Program:**

Dr. Richard Hoard	Ch.	1992
Dr. Ralph Lambert	Vice-Ch.	1993
Dr. Michael Hanst	Local Arrangements	1992

Literature & Research:

Dr. Fred Eichmiller	Ch.	1994
Dr. Tim Carlson		1993
Dr. David Bales		1992
Dr. Henry St. Germain		1992
Dr. Lloyd Baum		1993
Dr. Harold Laswell		1994

Nominating:

Dr. Richard V. Tucker	Ch.	1992
Dr. William Harris		1993
Dr. Michael Cochran		1994

Membership:

Dr. William Pike	Ch.	1992
Dr. James Gourley		1993
Dr. Paul H. Loflin		1994
Dr. Matt Panar		1995
Dr. Christianne Cochran		1996

Inter-Academy Liaison:

Dr. Michael Cochran	1993
Dr. William Harris	1992
Dr. Nelson Rupp (Sec.-Tres.)	

Public Relations:

Dr. Robert Keene	Co-Ch.	1992
Dr. Sarah Werner	Co-Ch.	1994
Dr. David Bridgeman		1992
Dr. Kiney Adams		1993
Dr. Bruce Walter		1993
Dr. Richard Nash		1994

Education and Study Clubs:

Dr. Howard Peterson Jr.	Ch.	1992
Dr. Glen Birkitt		1992
Dr. Ed Crooks		1994
Dr. Roland Grubb		1994
Dr. Richard D. Tucker		1993
Dr. James Robson		1993

Necrology:

Dr. William Roberts	Ch.	Dr. Nelson Rupp
Dr. Gerry Stibbs		

Gold Foil Achievement Award

Dr. Craig Bridgeman	Ch.	1992
Dr. Tim Carlson		1993
Dr. Richard D. Tucker		1994

Distinguished Member:

Dr. Chester Gibson	Ch.	1993
Dr. Robert Wolcott		1992
Dr. Don Benson		1994

Ad hoc Committee on European Section:

Dr. Alan Osborn	Ch.	Dr. Giancarlo Gallo
Dr. Jim Verneti		Dr. Jan Drews
Dr. Harold Schnepfer		Dr. Georg Myer
Dr. Michael Cochran		Dr. Stefan Paul
Dr. Andrea Chiarini		

Ad hoc Committee on Long Range Planning:

Dr. Bill Harris	Ch.	Dr. Ron Harris
Dr. Bob Keene		Dr. Jack Seymour
Dr. Warren Johnson		

Respectfully submitted,
Nelson W. Rupp
Secretary Treasurer

American Academy of Gold Foil Operator Annual Meeting

For the first time in the history of the Academy a meeting was held outside the United States. Under the able stewardship of Dr. Ted & Doreen Ramage, a fine programme was crafted.

The first evening featured a no-host party at the Vancouver Aquarium. Tactfully a regular meal followed the cocktail hour escewing fish as a main course. The dessert table proved to be very popular, and several members were quietly observed returning with empty plates to the excellent calorie rich offerings.

The clinical sessions at UBC were preceded by the annual business breakfast, the voting for the new Board, and induction of new members. This year also saw the second occasion upon which the Williams award to an outstanding younger member has been made.

This year's recipient of the Williams Award was Dr. Richard D. Tucker. Better known as 'Dick Junior' particularly by those who, like your editor who have difficulty distinguishing between d's and v's, Dick Jr. is a

truly worthy and very popular recipient of this coveted award. The whole Academy joins in congratulating you upon this well deserved recognition.

There is traditionally a Tour in the afternoon, following the Clinical Session, around the host city, and this was again enjoyed by all of those who were aboard. These tours are not only interesting of themselves, but are important to the generation of the close sense of fellowship that exists in the Academy.

The Annual Banquet was held in a spectacular setting up on Grouse Mountain. The food was of a very high calibre, and the evening proceeded in the rich atmosphere of the chalet lodge overlooking Greater Vancouver. During the course of the evening the Distinguished Member Award was made to Dr. Floyd Hamstrom. Dr. Ralph Werner made the introduction or should we say "roast"? A well deserved Award for a distinguished long time member and supporter of the Academy.



Dr. Ron Harris presenting the Williams Award to Dr. Richard Tucker.



Dr. Richard Tucker thanking the Academy.

Welcome Party



Clinical Session





Banquet Gathering



President Cochran introduces head table.



HEAD TABLE
President-Elect: Alfred Heston; President: Dr. Michael Cochran; Vice-President: Dr. Richard Hoard; with Dr. Christine Cochran and Dr. Kathy Hoard.



Programme Chairpeople: Dr. & Mrs. Ted Ramage.



Dr. & Mrs. Ronald Harris, Dr. & Mrs. Robert Kinzer, and Dr. Lloyd Baum.



Dr. Sarah Werner, Dr. Jan Drews, and Dr. Matt Panar.



Dr. Gallo, and Dr. & Mrs. Warren Johnson.



Dr. & Mrs. Floyd Hamstrom, and Dr. & Mrs. Richard McCoy.



Woody raises a toast.



Dr. & Mrs. Bruce Smith, and Dr. Gerry Stibbs.



Dr. & Mrs. Ron Zokol.



Dr. Richard Tucker inducting the new Board:
(From left to right): Dr. Rupp, Dr. Evans, Dr. Logan, Dr. Birkitt, Dr. Lambert, Dr. Hoard, and Dr. Heston.



Incoming President Dr. Alfred Heston present Past-Presidents' plaque to Dr. Michael Cochran.

Distinguished Member Award



Dr. Ralph Werner presents Dr. Floyd Hamstrom with the Distinguished Members Award.

The recipient of the 1991 Distinguished Member Award needs no introduction to the American Academy of Gold Foil Operators nor to the Academy of Operative Dentistry. Floyd Hamstrom has served both academies with his essays, his clinical demonstrations, and his tireless enthusiasm on project committees. It is with honor and pride in the profession that I present Dr. Hamstrom to you here today.

Floyd Hamstrom graduated from the North Pacific College of Dentistry (now the University of Oregon) in 1935, and established a dental practice in Seattle. With the advent of World War II he enlisted in the Navy. He served aboard the U.S.S. Enterprise, a ship receiving a presidential citation for service in the South Pacific. Additional service as a dental officer at dispensaries in Bremerton, Seattle and Lakehurst, New Jersey completed his Naval career.

Following his discharge in 1945, he established a practice in Burlington, Washington, retiring in 1986. Dr. Hamstrom continues to live in Burlington with his wife, Anita. He has two daughters, and three grandchildren. He enjoys golf, gardening, fly fishing, and taking time to smell the roses.

Dr. Hamstrom is a charter member of the Washington Foundation for Dental Education,

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the Academy of Gold Foil Operators and the Academy of Operative Dentistry. A founding member of the American Board of Operative Dentistry, he served as its Secretary-Treasurer the first five years of its existence. He was an associate professor of Operative Dentistry at the University of Washington and served a three-year term on the Washington Board of Dental Examiners. Dr. Hamstrom has served as President and Secretary of the Associated Gold Foil Study Clubs of Washington and British Columbia, as President of the Mount Baker District Dental Society, and as Chairman of the Operative Section for the A.D.A. meeting in Las Vegas.

A lifetime member of the Washington Gold Foil Study Club and the Fleetwood Crown and Bridge Study Club, he has also been the mentor of the Dr. Don A. Spratley Study Club since 1957 and continues to serve in that capacity. He is a member of the American College of Dentists and has served as Secretary and President of the Washington and British Columbia Sections.

Dr. Hamstrom has presented chairside clinical demonstrations both at home and abroad. He frequently presents table clinics and lectures on the use of the rubber dam and retainers, and wrote a chapter on the subject for a textbook on Operative Dentistry. Dr. Hamstrom was instrumental in collecting dental textbooks for shipment to foreign dental schools and has been active in training handicapped people to be dental technicians.

I first met Floyd Hamstrom at a dental meeting in Philadelphia. He was presenting an essay on the rubber dam to the Foil Academy. Being a member of the audience was rather like being at a prayer meeting—hushed, silent, and reverent. But there is a side to Dr. Hamstrom which is perhaps a little irreverent.

Dr. Hamstrom frequently invites young dentists to his home for a little socializing, where often they are entertained by Anita, an accomplished pianist. After one of her small recitals, Floyd Hamstrom appeared, violin in hand, announcing that he, too, was musical, and would not be upstaged by his wife. Tucking the violin under his chin, he raised the bow and had just begun to play when a string broke. The performance was over, he said, because his G-string had snapped.

Let me conclude by reading to you part of a speech Dr. Hamstrom presented to the Foil Academy in Dallas:

GOLD FOIL STUDY CLUB

It is my belief that a Gold Foil Study Club is not only a course in technique, but as well a course in moral and philosophical duty as we strive to make all endeavors of dentistry with the same perfection that we encounter in the elegance of gold foil.

It cautions us to conduct ourselves with dignity in our profession as you are looked upon with esteem.

It should remind our conscience of all of the vices of dentistry so that we approach each operation, whatever it may be, with honesty and prudence.

It obligates us to strive for achievement rather than success.

And it warns us that desire for financial gain often depletes the energies of an artist.

Floyd E. Hamstrom, D.M.D.

It is with great pleasure that I present Floyd E. Hamstrom, one of the Academy's most accomplished members.



Dr. and Mrs. Hamstrom.

Didactic Session

"Gold Foil in Practice"



Dr. Norman C. Ferguson, Dr. Barry O. Evans, Dr. Ludlow Beamish, and Dr. Warren Johnson.

Dr. Ludlow Beamish

Dr. Beamish commenced his address by thanking those whose help made the preparation of his lecture easier, and contributed to the fullness of the end product. Drs: — Bruce Smith, Lloyd Baum, Jerry Stibbs and Paul Dawson.

Worked gold was brought to the world's attention by Sir Andrew Woking in Mesopotamia, and was but one example of artifacts dating back to as far as 2700 B.C. including artifacts such as the burial mask of Agamemnon, and a Lysean Mask from between 1800 & 1500 B.C. which demonstrate man's eternal fascination with gold.

Temples throughout the world have been covered in gold, and religious artifacts have frequently employed gold either as embellishment or as part of their fabrication.

In 2500 B.C. Gold was found to have been used to support teeth that had been loosened by periodontal disease in the city of Pisa. In more modern times, crystalline gold has fascinated mankind along with the more traditional forms.

In the year 1839 advertisements appeared in the American Jour-

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nal of Dental Science for gold products by various manufacturers: — Beach & Walter, Morgan & Hasting's, Williams.

Later, in the 1840's the process of annealing was published by Westcott & Arthur. Others laid claim to have been the originators of the process. We have however little or no record of the supposed activities of other progenitors of annealing.

It was not until the year 1864 that a truly dry field was possible following the introduction of rubber dam by Dr. Barnum. Up to that time various techniques had been tried, including suction, and different types of physical barriers some of which absorbed saliva.

Different types of Gold Foil were demonstrated, and the manufacture from 3 oz. ingots explained. When rolled, these ingots form a ribbon 26 feet in length which is $1\frac{1}{8}$ " wide. These squares are then taken to form a clutch which is beaten by hammer blows to a thickness of 25 microns before being placed (and called a shogun) between special skins made from the intestine of an ox for the final beating which lasts for 4 hours. The resultant product is trimmed to 4" squares, handled only by bamboo, treated with ammonia gas and then set into books for sale.

Dr. Barry Evans

Dr. Evans took the audience through a fascinating treat from the world of practice in Oregon and beyond, with a look at the behaviour of different materials as they had been placed in routine practice.

Some of the materials such as the composites had stood the test of time far better than had been anticipated. Others showed very much the ravages of time, but had still fared better than had been anticipated when viewed from the standpoint of national statistics. The various reasons for use of composites were analysed in some detail, and the more common modalities by which they fail. The strengths and weaknesses of the tooth colored materials were demonstrated by different slides taken over a period of time. The nature of the tissue response was noted as being far inferior to that obtainable when using gold.

The material which has been the backbone of restorative dentistry for over 100 years was given a deal of attention, with all its many attributes, and the *raison d'être* behind the various clinical and financial decisions which occasioned its usage in today's practice environment.

Pride of place naturally enough went to gold restorations, their longevity, their overall efficiency and cost effectiveness. To demonstrate beyond any doubt the efficacy of the therapy Dr. Evans had travelled to New York to visit the legendary actress Katherine Hepburn whose work by Dr. Hollenback is well known to members of the Academy, and stands up as well today as it did so very many years ago! This was a thoroughly enthralling visit with a talented operator who went to such great lengths to bring to the Academy a burden of proof in relation to the materials we use in an order of preference with which we as clinicians could totally agree.

Dr. Norman Ferguson

Dr. Ferguson spoke in regards to the importance of the cuspid as it relates to both esthetics and to function.

Esthetically the cuspid is the most important of the anterior teeth

in defining facial form, beauty and expression. A number of examples were demonstrated which clearly showed the effects that differing positions of the cuspid had upon the balance of facial esthetics.

Problems associated with extraction orthodontics were clearly explained, and the role of the lower first premolar as a second cuspid stressed. This it is noted has also been well documented by individuals studying developmental anatomy. Where cuspids are moved into the position normally occupied by the lateral a special problem manifests in the occlusion.

As teeth normally become flatter in nature as we move towards the posterior region of the mouth we should be careful not to over deepen the fossae in these regions, or to use materials which will degrade the occlusion, as this has the effect of lowering the effective cuspid angle. Materials suitable for use which would not result in damage to the occlusion were discussed, and the problems associated with porcelain, particularly in the cuspid rise position.

Dr. Warren Johnson

Dr. Johnson took us through the Ferrier approach to lower class III lesions. The limited outline form in harmony with the lobe into which it is placed, and the care required to maintain a balanced appearance to the approximating teeth. Instrumentation was described in detail, and the use of sharp burs to produce a smooth gingival at a right angle to the long axis of the tooth were shown on a series of slides which were handsomely produced. Extension for these delicate preparations is limited, and on the lingual surface barely peeps through to the actual lingual. Thus use of the separator, and the care needed to place these small and delicate instruments, was explained; the advantages of access, protection of the tooth from stress, and enhanced operating efficiency were stressed.

In the placement of the gold foil a series of instruments can be used, and each in turn made their appearance and their usefulness known to the audience. Finishing in turn, the use of strips, burnishers and different types of files made the presentation complete.



Annual Meeting of the Associated Ferrier Gold Foil Study Clubs.

The Annual Meeting of the Ferrier Study Clubs took place in Vancouver, the second weekend in May as per tradition. Every fourth year the meeting is held in Vancouver instead of Seattle, so that this year the University of British Columbia School of Dentistry had the honour to host not only the Ferrier Group, but also the American Academy of Gold Foil Operators.

Following the morning clinical session at UBC the afternoon saw

the traditional golf and trap shooting activities followed by an evening banquet when awards are made for the best scores in the various activities, and the new Board is inducted.

More than sixty years have now passed since the original Seattle Dental Study Club was formed, and the strengths and fellowship of the group continues to flourish.

Ferrier Banquet



WILL IT GO?



Darcie Morris, Brian Martinas, and Lyle Ostlund.



Olin Loomis, Ralph Stenberg, and guest at dinner.



Warren Johnson, Gerald Stibbs, Ludlow Beamish, and Norm Ferguson.



Ralph Tjarnberg, Ted Ramage (President), and Gerry Stibbs.



Ralph Tjaarnberg, Mayor Gordon Campbell, and Ted Ramage.

New Members 1991

Associate

Dr. Joseph C. Ardizzone
Dr. Corey M. Arnte
Dr. Randal R. Balcom
Dr. Maurizio Boschi
Dr. David N. Burdett
Dr. Eben A. DeArmond
Dr. R. Craig Eng

Dr. Gregory G. Ganzkow
Dr. Lupy D. Gonzalez
Dr. Francesco Mangani
Dr. Gideon S. Nussbaum
Dr. Timothy W. Penberthy
Dr. Antonelle Ricciuti
Dr. Gabrielle Timo
Dr. Deborah A. Zokol

Associate to Active

Dr. David F. Bridgeman
Dr. Christianne Guba-Cochran
Dr. Fredrich C. Eichmiller
Dr. James D. Haberman
Dr. Richard I. Johnson
Dr. R. Bruce Walter



Dan Fredrickson, and Homer Dyer.



Richard Nash, Ralph Tjarnberg, Mayor Campbell, and Ted Ramage.

Ferrier Clinic



Michael Casey.



Matt Panar.



Ralph Stenberg.



Phil Madden.



Darcie Morris.



Warren Johnson.



Gerry Stibbs.

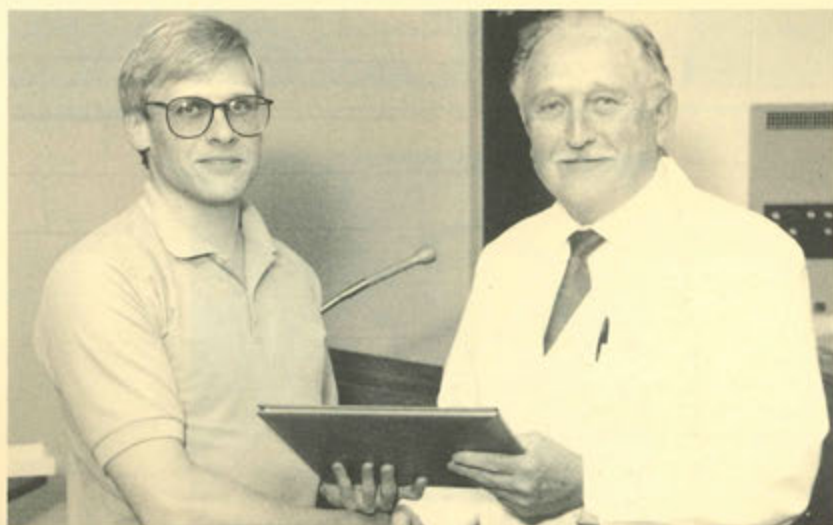
Italian Dentists Study Direct Gold



Loma Linda University School of Dentistry had the privilege of hosting four dentists and one dental student from Rome, Italy, September 22-25, 1991. Drs. Harold Schnepfer and Robert Kinzer, both professors in the Department of Restorative Dentistry, conducted a four-day hands-on course on the "*Class III Lingual Approach Direct Gold Restoration*". Three of the four dentists are teachers at the Number Two Dental School in Rome and the one dental student is a senior at the same school. There is evidence of an increased interest in the use of direct gold in Europe as seen from the research and the inclusion of direct gold in dental school curricula. This group requested that this relationship continue between the two schools with the establishment of an international direct gold study club.



Student Award



Proud father presents Dr. Ronald Lambert with the Student Award from AAGFO.

Study Club Survey

The Academy of Gold Foil Operators is in the process of updating its records concerning study clubs. Please take a few moments of your time and answer the following questions.

1. Your Name _____
2. Are you a member of a study club? _____
3. Name of study club to which you belong _____

4. Address of the study club _____

5. Secretary's name and address _____

6. Name of the mentor _____
7. How long has your club been in existence? _____
8. Number of members in your study club _____
9. Are there members of your study club that don't belong to AAGFO? _____

Names _____
10. What disciplines does your club address, (other than gold foil)? _____

Please return this survey as soon as possible (prior to February 1st)

Dr. Howard (Tom) Peterson
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