



American Association of Endodontists
53rd Annual Session

Focusing on Our Future Together





TABLE OF CONTENTS

AAE Board of Directors	2
Annual Session Committee	2
General Information	3
Continuing Education Course	4
Monroe-Cook Workshops	4
Program	
Wednesday	5
Thursday	5-9
Friday	9-15
Saturday	15-19
Sunday	19
AAE Foundation	20
Board and Committee Meetings	20
AAE Auxiliary	20
Alumni, Affiliates, & Other Groups ..	21
American Board of Endodontics	21
Tours	21
Exhibitors	22-23
Award Recipients	24
Past Presidents	24
Participants	25
Topical Index	26-27
Wyndham Anatole Map	28



President's Welcome

Hi, y'all! Welcome to wonderful Dallas and the 53rd Annual Session of the American Association of Endodontists.

You will be enlightened, stimulated, and impressed with the extensive array of informational opportunities that await you. As you read through the pages of this program, you will find a plethora of events and activities to fill your days—intellectually, culturally, and restfully.

I want to thank everyone involved for the outstanding effort they have given to make this our best meeting ever. Under the leadership of Bob Steiman, general chair; Kevin King, program chair; and Bob Reames, local chair, at least 35 AAE members and staff played major roles over many months to organize and orchestrate this meeting for you. Countless others will also get involved by the time Sunday arrives. Each person's responsibility, large and small alike, contributes to the success of this meeting.

Enjoy Dallas. Enjoy the meeting. Most of all, take the time to enjoy the camaraderie of your fellow endodontists from the world over who make these meetings a joy to attend!

Have fun, relax, and learn.

Philip W. Cohen, DDS, MS
President



AAE Board of Directors 1995-96



Philip W. Cohen
President



Jerome V. Pisano
President-elect



Denis E. Simon III
Vice President



Harmon R. Katz
Treasurer



Richard C. Burns
Immed. Past President



Carl W. Newton
Secretary



Henry J. Van Hassel
Editor



Irma S. Kudo
Executive Director

District I Directors



Henry J. Rankow
1996



Gary R. Hartwell
1997

District II Directors



Bruce H. Seidberg
1996



Kenneth N. Namerow
1998

District III Directors



Thomas E. Harvey
1997



William G. Schindler
1998

District IV Directors



Christopher S. Wenckus
1997



Eva C. Dahl
1998

District V Directors



James B. Roane
1996



David E. Stamos
1998

District VI Directors



Robert J. Rosenberg
1996



Gary S. Yonemoto
1997

Annual Session Committee



H. Robert Steiman
General Chair



Kevin T. King
Program Chair



Robert L. Reames
Local Committee
Chair

Program

Continuing Education Ronald W. Anderson
 Limited Attendance Sessions Kirk A. Coury
 Oral and Poster Research Presentations Gerald N. Glickman
 Table Clinics Donald A. Miller
 Exhibits Letty Catrambone

General Arrangements

Audiovisual Bill Masheter
 Hospitality Justin E. Aurbach
 Hosts Jeffrey S. Woodson
 Monitors Hedley Rakusin
 Signs John L. Bond
 Sports Thomas H. Garrett
 AAE Auxilliary Liaison Marylou Gutmann



General Information

The Wyndham Anatole Hotel in Dallas is the headquarters hotel for the 53rd Annual Session.

AAE HEADQUARTERS OFFICE

Madrid, Mezzanine Level

AAE staff manages the office from 7am-6pm, Tuesday through Saturday.

REGISTRATION

Tower Convention Registration

Tuesday, April 23	3-8 pm
Wednesday, April 24	8 am-8 pm
Thursday, April 25	8 am-5 pm
Friday, April 26	8 am-5 pm

Registration fees include the following:

AAE member (excluding student members)

Wednesday	Welcome Reception
Thursday	Opening Session Breakfast, all sessions and exhibits
Friday	Continental breakfast, Award Luncheon, all sessions and exhibits
Saturday	Continental breakfast, Coolidge Luncheon, one voucher to the President's Dinner Dance, all sessions and exhibits
Sunday	Farewell breakfast

AAE student member Welcome Reception, all sessions and exhibits

Non-member professional & Non-member student Welcome Reception, all sessions and exhibits

Ancillary personnel (Dental assistant or administrative personnel) All sessions, exhibits, and Friday and Saturday continental breakfast and luncheons

Spouse Welcome Reception, all sessions, and AAE Auxiliary membership

Children Welcome Reception

CE CERTIFICATES

A CE Certificate of Completion and instructions are included in your registration packet. If you live in a state requiring continuing education hours for license renewal, please read the information carefully because members are responsible for maintaining their own records for CE units earned. To receive Academy of General Dentistry credit, complete the AAE CE Certificate of Completion, copy, and mail to AGD. There is no need for a separate form. Keep the original AAE CE Certificate of Completion in your files in case of audit. AAE is an ADA Continuing Education Recognition Program (CERP) recognized provider.



TAPE RECORDING

Teach'em, Inc. will record many of the sessions presented and also videotape Scientific Sessions II, IV, VI, VIII, and X. The audio and video cassettes are available for purchase in the Tower Convention Registration area of the Anatole. Other audio or video taping is allowed only with the permission of the speaker.

SPEAKER AV READY ROOM

Milan, Mezzanine Level

Program participants are encouraged to review their audiovisual materials in the speaker ready room prior to their presentations to avoid possible equipment problems.

BADGES

Badges must be worn at all official AAE functions.

ASSISTANCE FOR THE DISABLED

If special assistance or arrangements are required, please make requests at the AAE Headquarters Office in Madrid.

EXHIBITS

Trinity Hall

Please stop by, place your orders, and say thanks to the exhibitors who help defray annual session costs. Badges must be worn in Trinity Hall. Complimentary coffee service will be provided on Thursday, Friday, and Saturday in Trinity Hall. Continental breakfast will be provided on Friday and Saturday. Exhibit hours are scheduled as follows:

Thursday, April 25	10 am-6 pm
Friday, April 26	8 am-5 pm
Saturday, April 27	8 am-1 pm

SMOKING POLICY

For the comfort and health of all attendees, smoking is not permitted at any AAE function. This includes all scientific and general interest sessions, breakfasts, luncheons, receptions, exhibits, and the dinner dance.

ATTIRE

Business casual clothing is recommended for daytime wear. For evening, dress slacks, skirts and casual dresses are appropriate. Some restaurants require jackets and ties. Black tie is optional at the President's Dinner Dance.

PRESIDENT'S DINNER DANCE VOUCHERS

Purchase of a voucher does not guarantee seating. To reserve seats for the President's Dinner Dance, exchange your voucher for a banquet ticket at the AAE Registration Desk before 5 pm on Thursday. If you wish to have group seating, you must present a voucher for each person in your group; all vouchers must be presented at the same time. **This year, each table seats eight people**, and seats are reserved on a first come, first served basis. No exceptions will be made. There will be tables reserved for singles (without significant others).

COMMEMORATIVE TOTE BAGS

You may be one of five lucky winners of free registration for Seattle! If you registered as an AAE member, student member, non-member professional or student, or ancillary personnel you will receive a voucher for a free tote bag commemorating the 53rd AAE Annual Session when you sign in at the registration desk. Bring your voucher to the AAE Information Center in Trinity Hall to pick up your complimentary tote bag and look inside to see if you're a winner.



The microscope in endodontics: Is it for you?

Continuing Education Course

Wednesday, April 24, 8:30 am–4:30 pm

Chantilly Ballroom West, Tower Lobby Level (by ticket only—no on-site registration)

Moderator: Ronald W. Anderson, DDS, MS, Augusta, GA

The operating microscope can provide the opportunity to enhance the practice of endodontics through improved magnification and illumination. The applications of the microscope in nonsurgical and surgical endodontic cases will be presented by Drs. Gary B. Carr and Syngcuk Kim, early innovators in the use of microscopes in endodontics. Dr. Richard C. Burns will also discuss how the microscope has enhanced his private practice. The intent of this didactic course is to familiarize endodontists with how the microscope can be applied to a wide variety of clinical situations in everyday practice.

7–8 am

Continental Breakfast

Chantilly Ballroom East (admittance by badge only)

8:30 am–12 noon

(Break 10–10:30 am)



The microscopic approach to conventional and retreatment endodontics

Gary B. Carr, DDS, San Diego, CA

This presentation will review the newly developed techniques necessary to provide a high level of care in treating the most difficult kinds of cases. Each dentist will understand operatory setup, necessary teamwork, and the impact that the development of these skills has on private practice. At the conclusion of the presentation, each participant will:

- ★ Understand the dramatic changes taking place in endodontic health care delivery and the effect these changes will have on private practice.
- ★ Understand what changes need to be made to operate efficiently and productively using an operating microscope.
- ★ Learn about all of the major technical skills that have been developed through the use of the microscope.

12 noon–1 pm

Lunch

Chantilly Ballroom East (by ticket only)

1–3:30 pm

(Break 3:30–3:45 pm)



Endodontic microsurgery: Theory and practice

Syngcuk Kim, DDS, PhD, Philadelphia

This session will enable participants to incorporate microsurgical techniques into their endodontic practices. Microsurgical procedures—such as effective hemostasis, proper flap design, mental foramen management, sinus infringement, no bevel apicoectomy, and 3mm axial retropreparation by ultrasonic tips—and the most suitable materials for retrofilling will be discussed. At the conclusion of the presentation, each participant should be able to:

- ★ Describe the triad of endodontic surgery using the microscope—illumination, magnification, and instrumentation.
- ★ Describe the principles of endodontic microsurgery.
- ★ Describe the endodontic surgery procedures under the microscope.
- ★ Describe the use of microsurgical instruments in endodontic microsurgery.
- ★ List the best retrofilling materials.
- ★ Describe advantages of using the microscope in endodontic surgery.

3:45–4:30 pm



How the microscope has enhanced my practice

Richard C. Burns, DDS, San Mateo, CA

This session will relate the advantages of microscopy in a practice limited to endodontics and enable participants to understand:

- ★ Benefits enjoyed by the patient.
- ★ Economic considerations.
- ★ Stimulation of referrals.
- ★ Psychological benefits derived by the doctor and staff.

Building effective relationships with patients



Wednesday, April 24

8:30 am–12 noon or 1–4:30 pm

Wyeth, Mezzanine Level
(by ticket only—no on-site registration)

Elizabeth Monroe-Cook, PhD
Oak Park, IL

A small group of peers will participate in an intensely interactive workshop and learn key skills for rapport building, active listening, information delivery, and positive negotiation with your patients. This workshop will use a variety of learning methods and provide materials to expand your understanding and skill in relating to the range of individuals you meet as patients. *This session will not be taped.*

Learn

Special interactive sessions!

- ★ Rapport building
- ★ Active listening
- ★ Information delivery
- ★ Positive negotiation



Program

 **Wednesday, April 24**

WELCOME RECEPTION

Anatole Park (adjacent to the hotel); Chantilly Ballroom, Tower Lobby Level, in case of inclement weather.

7-9 pm

(by ticket only)

Mosey on down to the AAE Corral for a warm western welcome to the 53rd Annual Session. Don your country western garb and join friends while feasting on plenty of Tex-Mex grub. Pictures with Tex the Steer will be available for \$2 each. Casual, western attire is appropriate.

 **Thursday AM, April 25**

OPENING SESSION BREAKFAST

Chantilly Ballroom East, Tower Lobby Level
8-10 am



(by ticket only)

Keynote: Philip W. Cohen, DDS, MS
President, American Association of Endodontists

EXHIBITS

Trinity Hall
10 am-6 pm

DISTRICT CAUCUSES

10-11 am

District I*

CT, DC, ME, MD, MA, PA, PR, RI, VT, VA
Obelisk B, Mezzanine Level

District II

NJ, NY
Governors Hall, Tower Lobby Level

District III*

FL, GA, NC, SC, Public Health, Air Force, Army, Navy, Veterans Adm.
Obelisk A, Mezzanine Level

District IV*

IL, IN, KY, MI, OH, TN, WV, WI
Opal, Tower Lobby Level

District V

AL, AZ, AR, CO, IA, KS, LA, MN, MS, MO, NE, NM, OK, TX, UT
Ruby, Tower Lobby Level

District VI*

AK, CA, HI, OR, WA
Senators Hall, Tower Lobby Level

*These districts will nominate candidates to represent their districts on the Board of Directors for a three-year term beginning in May 1997.

AFFILIATE LEADERSHIP CONFERENCE

Metropolitan, Mezzanine Level

11 am-12 noon

AAE affiliate officers and AAE committee chairs are invited to attend this briefing on current AAE issues and activities.

SCIENTIFIC SESSION I

Grand Ballroom D, Atrium Lobby Level
Moderator: Hal W. Mohorn, DDS,
Greensboro, NC



11 am-12:30 pm

Building the electronic endodontic office

John A. Khademi, DDS, MS, San Leandro, CA

The synergy between telephones, video, and computers provides new technology that can add a fun and exciting dimension to your practice. This presentation will expose you to a wide variety of new technology, including digital imaging systems, video microscopy, electronic scheduling, electronic clinical record keeping, e-mail, and video teleconferencing. A phased approach to implementing technology into your practice will be introduced. At the conclusion of this presentation you should be able to:

- ★ Choose one of several types of digital imaging systems.
- ★ See the advantages of electronic scheduling.
- ★ Appreciate the power of an electronic endodontic record.
- ★ Develop a phased approach for introducing new technology in your practice.
- ★ Select and specify computer hardware and software for each phase and function desired.

Speaker serves as a consultant and/or has a commercial interest in subject matter.

SCIENTIFIC SESSION II

Chantilly Ballroom West, Tower Lobby Level
Moderator: Samuel O. Dorn, DDS,
Ft. Lauderdale, FL



11 am-12:30 pm

Chronic orofacial pain: Diagnostic and management considerations

Henry A. Gremillion, DDS, Gainesville, FL

Learn diagnosis and management principles for chronic orofacial pain conditions. At the conclusion of this presentation, you should be able to describe:

- ★ Procedures for obtaining an in-depth history from the chronic orofacial pain patient.
- ★ Clinical characteristics of commonly seen chronic orofacial pain conditions.
- ★ Principles of multidisciplinary management of chronic orofacial pain.

This session will be videotaped.

GENERAL INTEREST SESSION I

Grand Ballroom A, Atrium Lobby Level
Moderator: Stuart B. Fountain, DDS, MSc,
Greensboro, NC



11 am-12:30 pm

Customer service strategies for today's endodontic office

Martin D. Levin, DMD, Chevy Chase, MD

The journey through dental school, specialty training, and private practice is marked by changes in our perceptions, techniques, and relationships. Each level brings the need for more sophistication in our clinical and management skills. The use of basic business techniques in the successful operation of our offices is imperative. This lecture will focus on case studies of several business successes and their lessons for us as we continue to improve our customer service.

Speaker serves as a consultant and/or has a commercial interest in subject matter.

ORAL RESEARCH PRESENTATIONS I

Endodontist Section
Morocco, Mezzanine Level
Moderator: Douglas J. McKendry, DDS,
MSD, Loma Linda, CA

11 am

Results of 94 endodontic microsurgeries using SuperEBA retrofills
Richard A. Rubinstein (presenter), S. Kim, Univ. of Pennsylvania

11:15 am

A single-step technique for apical retrofillings which reduces microleakage
Ernest S. Reeh (presenter), E.C. Combe, Univ. of Minnesota

11:30 am

Evaluation of healing using internal matrix to repair furcation perforations in primate teeth

Mark C. Baker (presenter), M. Rafter, M. Alves, J. Daniel, N.A. Remeikis, Univ. of Illinois at Chicago

11:45 am

Periradicular tissue response to mineral trioxide aggregate
Douglas J. McKendry (presenter), M. Torabinejad, T.R. Pitt-Ford, H.R. Abedi, D.A. Miller, & S.P. Kariyawasam, Loma Linda Univ. & Univ. of London

12 noon

Osteoblasts and perforation repair agents
W. Randy Snyder (presenter), J. Hoover, R. Khoury, & M.C. Farach-Carson, Univ. of Texas at Houston
Dr. Snyder's presentation will not be taped.

WEDNESDAY

THURSDAY



Program, continued

ORAL RESEARCH PRESENTATIONS II

Graduate Student Section
Miro, Mezzanine Level
Moderator: Mary T. Pettiette, DDS,
Chapel Hill, NC

11 am

Evaluation of penicillin versus placebo on postoperative endodontic symptoms
Mark A. Henry (presenter), A. Reader, R. Nist, W. Meyers, & M. Beck, Ohio State Univ.

11:15 am

Effects of bFGF and IGF-I on healing of periapical lesions
Thomas R. Ollerhead (presenter), S. Ebeid, H. Bittner, D. Carnes, J. Gilles, H. Schilder, & D.T. Graves, Boston Univ.

11:30 am

Comparison of oral triazolam, diazepam, and placebo as outpatient premedication for endodontic patients
Daniel G. Ehrich (presenter), J. Lundgren, R. Dionne, B. Nicoll, & J. Hutter, Naval Dental School & NIDR, NIH

11:45 am

An application of the McGill Pain Questionnaire in endodontics
Daniela K. Shields (presenter), & D. B. Green, Univ. of Louisville

12 noon

Effect of occlusal reduction on post-operative pain following endodontic instrumentation
Peter J. Babick (presenter), P. A. Rosenberg, A. Leung, C. Nup, & L. Schertzer, New York Univ.

12:15 pm

Radiographic success or failure compared with coronal restorations and radicular fillings
Jennifer M. Klein (presenter), P. Wei, A. Shayegan, R. White, & M. Goldman, Tufts Univ.



Commemorative Tote Bag

Exchange your tote bag voucher at the AAE Information Booth in Trinity Hall during exhibit hours, and you could be one of five lucky winners to receive free registration for Seattle! You must have a voucher to receive a tote bag.

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 1—Coral

11 am–12:30 pm

Documentation with the surgical microscope
Eric J. Herbranson, DDS, MS, San Leandro, CA

This lecture will explore the use of video and film technology to document the micro-environment with the surgical microscope. The most practical and cost-effective solutions to the various output needs of the clinician will be discussed, including the integration of images with the electronic clinical record.

LAS 2—Emerald

11 am–12:30 pm

Restoration of endodontically treated teeth
James L. Gutmann, DDS, Dallas

The biology of the dentin-root complex will be integrated with scientific and clinical rationales for the restoration of endodontically treated teeth.

LAS 3—Sapphire

11 am–12:30 pm

Ask a lawyer
Jack A. Weichman, DDS, JD, Pacific Palisades, CA

This is your opportunity to ask an endodontist/attorney about problems in your office—risk management, employee relations, contracts, leases, associates, partnerships, and anything else that comes to mind.

LAS 4—Topaz

11 am–12:30 pm

The use of bioresorbable matrix barriers in endodontic surgical cases
Mario L. Zuolo, CD, Sao Paulo, Brazil

This presentation will discuss the use of a bioresorbable matrix barrier as a possible treatment to promote bone healing after surgery. Membrane design, chemical composition, and biocompatibility will be illustrated, based on current research. A surgical protocol will be suggested and the results analyzed using controlled clinical cases and histologic sections.



Dinner Dance Voucher Exchange

Gather your friends and exchange your seating vouchers for dinner tickets for the President's Dinner Dance no later than 5 pm, Thursday, April 25. **This year, each table seats eight**, so make arrangements early to enjoy this enchanting evening of sumptuous food, dancing, and splendor.

Thursday PM, April 25

AMERICAN BOARD OF ENDODONTICS

Louis I. Grossman Memorial Luncheon
Wedgwood, Tower Lobby Level (by ticket only)

12:30–1:45 pm

Moderator: A. Eddy Skidmore, DDS,
Morgantown, WV



Accessing ethics in the endodontic specialty practice

Thomas K. Hasegawa Jr., DDS, MA, Dallas

SCIENTIFIC SESSION III

Grand Ballroom D, Atrium Lobby Level
Moderator: Carl W. Newton, DDS, MSD,
Indianapolis



2–5 pm
The practicing endodontist's approach to traumatic dental injuries

Leif K. Bakland, DDS, Loma Linda, CA

Update your understanding of the current management of traumatic dental injuries. At the conclusion of this presentation, you should be able to:

- ★ Use the WHO system of classifying traumatic dental injuries to the benefit of your practice.
- ★ Implement the concept of pulp preservation in immature teeth.
- ★ Determine a rationale for treatment of root fractures and their complications.
- ★ Evaluate treatment approaches recommended for luxated teeth.
- ★ Incorporate into your practice the concepts in the AAE Guidelines for Treatment of the Avulsed Permanent Tooth.
- ★ Provide treatment for teeth needing stabilization following traumatic dental injuries.

Attire

Business casual clothing is recommended for daytime wear. For evening, dress slacks, skirts, and casual dresses are appropriate. Some restaurants require jackets and ties. Black tie is optional at the President's Dinner Dance.

SCIENTIFIC SESSION IV

Chantilly Ballroom West, Tower Lobby Level
Moderator: Joseph D. Maggio, DDS,
Oak Brook, IL



2-5 pm

Successful management of acute pain in the endodontic practice

Kenneth M. Hargreaves, DDS, PhD,
Minneapolis

Learn the principles for diagnosing and treating acute pain. At the conclusion of this presentation, you should be able to describe:

- ★ Diagnostic and therapeutic approaches for the five common types of acute oral pain.
- ★ Effective pharmacological strategy that maximizes analgesia and minimizes exposure to side effects.
- ★ New and effective approaches for managing acute pain.

Speaker serves as a consultant and/or has a commercial interest in subject matter.

This session will be videotaped.

PRACTITIONERS' PLATFORM

Metropolitan, Mezzanine Level
Moderator: James L. Gutmann, DDS, Dallas
2-3:30 pm

A forum for the discussion of unusual cases, diagnostic and treatment tips, patient management techniques, and endodontic problem-solving will be presented by a group of AAE members and colleagues. A case presentation format will encourage dialogue, challenges, and participation from the audience.

2 pm

Anatomical challenges to endodontic success

James L. Gutmann, DDS, Dallas

2:15 pm

Endodontic surgery: A solution for refractory lesion

Cledson Lima de Azevedo, DDS, Sao Paulo, Brazil

2:30 pm

Challenging endodontic cases

Jose L. Roig-Greene, DMD, Ponce, Puerto Rico

2:45 pm

Surgical case report: Ongoing problems
Deborah E. Battrum, DDS, MScD, Kelowna, Canada

3 pm

Intentional replantation of an endodontically treated mandibular second molar with cracked root repaired with MTA

Fred W. Benenati, DDS, MEd, Norman, OK

GENERAL INTEREST SESSION II

Grand Ballroom A, Atrium Lobby Level
Moderator: Darrell W. Zenk, DDS, MSD, Inver Grove Heights, MN



2-3:15 pm

Third party payers: A question and answer workshop on codes and claims

Howard B. Fine, DMD,
Rochester, NY



William D. Powell, DDS,
MS, Knoxville, TN



Lawrence M. LeVine,
DDS, San Rafael, CA

This presentation is a discussion of current CDT-2 code updates and their application in claims submission. A question and answer session will follow to clarify the application of codes in preparing claims.

ORAL RESEARCH PRESENTATIONS III

Endodontist Section
Morocco, Mezzanine Level
Moderator: Timothy A. Svec, DDS, Houston

2 pm

Comparison of thermoplastic obturation techniques: Adaptation to the canal walls

R. Norman Weller (presenter),
W.F. Kimbrough, & R.W. Anderson, Medical College of Georgia

2:15 pm

Evaluation of quick-fill root canal obturation technique

Aida A. Chohayeb (presenter), S. Hondrum,
G.L. Henley, N. Glassett, & D. Marfan,
Howard Univ. and USAIDR

2:30 pm

Comparison of obturation techniques on filling lateral and main canals

James F. Wolcott (presenter), V.T. Himel,
J. Penney, & W. Powell, Univ. of Tennessee

2:45 pm

Foramen enlargement and obturation level: Its influence in periradicular healing
Carlos A.F. Murgel (presenter), F.J. Souza Filho, & N. Bernardinelli, UNICAMP, Brazil

3 pm

Development and testing of a pulpal microdialysis probe, in vitro

Harold E. Goodis (presenter), & K. Saeki,
Univ. of California, San Francisco & Tohoku Univ., Japan

3:15 pm

Variable instrument precurving and transportation in simulated curved root canals

Timothy A. Svec (presenter), & M.M. Wang,
Univ. of Texas at Houston

3:30 pm

A comparison of stainless steel and nickel-titanium K-files in curved root canals

Gary S.P. Cheung (presenter), & A. Chan,
Univ. of Hong Kong

3:45 pm

A comparative analysis of canal debridement using stainless steel and NiTi files

Roberta Pileggi (presenter), G.N. Glickman, & C.A. Edwards, Univ. of Michigan

4 pm

Effectiveness of canal finder and hand instrumentation during retreatment

Noboru Imura (presenter), M.L. Zuolo,
M.O. Fernandes Ferreira, & N. F. Novo, PAEO Institute, Brazil

4:15 pm

The Lightspeed canal preparation technique evaluated by Swiss clinicians

Fred Barbakow (presenter), & F. Lutz, Zurich Univ.

ORAL RESEARCH PRESENTATIONS IV

Graduate Student Section
Miro, Mezzanine Level
Moderator: Alfred W. Reader, DDS,
Columbus, OH

2 pm

The use of aloe vera gel as an intracanal medicament

Hugh Maguire (presenter), M. Torabinejad, & J.D. Kettering, Loma Linda Univ.

2:15 pm

A comparison of four instrumentation techniques on canal transportation

Jeffrey A. Short (presenter), L.A. Morgan, & J.C. Baumgartner, Oregon Health Sciences Univ.

2:30 pm

Evaluation of rotary NiTi systems and conventional filling: Degree of apical extrusion

Steven D. Shoha (presenter), & G.N. Glickman, Univ. of Michigan

2:45 pm

The evaluation of corrosion in stainless steel files

Joseph T. Barss (presenter), D.A. Miller,
J.R. Howard, J.L. Gilbert, & E.P. Lautenschlager, Northwestern Univ.

continued on next page



Program, continued

ORAL RESEARCH PRESENTATIONS IV, continued

Graduate Student Section
Miro, Mezzanine Level

3 pm

A comparative assessment of four root canal preparation techniques

Brian E. Hornberger (presenter), M.M. Wang, T.A. Svec, M.R. Rieger, J.R. Ludington, & G.J. Pintero, Univ. of Texas at Houston

3:15 pm

Volumetric and densitometric comparison between nickel titanium and stainless steel condensation

Michelle B. Speier (presenter), & G.N. Glickman, Univ. of Michigan

3:30 pm

Effect of pre-flaring on determination of working length using a fresh frozen cadaver model

James E. Stich (presenter), & M. Torabinejad, Loma Linda Univ.

3:45 pm

Do irrigants affect the precision of apex locators?

Diane T. McGinty (presenter), D.D. Fabre, D.A. Miller, & E.P. Lautenschlager, Northwestern Univ.

4 pm

Electronic length measurement using small and large files in enlarged canals

Hung Quoc Nguyen (presenter), R.C. Komorowski, A.Y. Kaufman, & S. Friedman, Univ. of Toronto & Univ. of Tel Aviv

4:15 pm

Black-pigmented bacteria in coronal and apical segments of infected root canals

William J. Dougherty Jr. (presenter), K.S. Bae, & J.C. Baumgartner, Oregon Health Sciences Univ.

4:30 pm

Mixed anaerobic bacterial colonization and penetration of coronally unsealed, obturated, and post prepared canals

Kefah M. Barrieshi (presenter), D. Drake, R. Walton, W. Johnson, & L. Wilcox, Univ. of Iowa

4:45 pm

Bacterial assay of coronal microleakage: MTA, SuperEBA, composite, amalgam retrofillings

Radu Buruiana (presenter), H.L. Adamo, P.A. Rosenberg, L. Scherzter, F.H. Kahn, & R.J. Boylan, New York Univ.

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 5—Coral

2-3:15 pm

Clinical management of the medically compromised patient in the endodontic practice

Robert L. Ellison, DDS, MSc, Detroit

Learn the categorization and proper clinical management of patients with serious medical problems. Possible drug interactions and salient points on medical emergencies will also be discussed.

LAS 6—Emerald

2-3:15 pm

Magical customer service for the endodontist

Patrick T. Wahl, DMD, Wilmington, DE

An endodontist practicing within a general dental office demonstrates how to generate referrals by delivering extraordinary customer service. Increase your referral base and enjoy your career as you work in the pursuit of "Wow!"

LAS 7—Sapphire

2-3:15 pm

Biological considerations of bleaching pulpless teeth

Ilan Rotstein, CD, Jerusalem

Bleaching of pulpless teeth is a popular treatment for tooth discoloration. Recently, however, it has occasionally been associated with injury to the root and adjacent tissues. This complication has been reported in humans as well as in animal studies. As a result, it has been suggested that some bleaching agents and procedures should be avoided. The safety of bleaching pulpless teeth will be discussed and preventive measures will be offered based on clinical and experimental studies.

LAS 8—Topaz

2-3:15 pm

Longitudinal tooth fractures: Classification, identification, and treatment

Eric M. Rivera, DDS, MS, Iowa City, IA

The purposes of this presentation will be to: 1) define the longitudinal fractures encountered in endodontic therapy in terms of a classification scheme: craze lines, cuspal fracture, cracked tooth, split tooth, and vertical root fracture; 2) articulate ways to identify and accurately diagnose longitudinal fractures; and 3) discuss treatment modalities and alternatives.

GENERAL INTEREST SESSION III

Grand Ballroom A, Atrium Lobby Level
Moderator: Alan G. Selbst, DMD, MS, JD, Houston

3:30-5 pm



Legal aspects of dentistry and risk prevention skills

Bruce H. Seidberg, DDS, MScD, JD, Syracuse, NY

Recommendations will be made for endodontists to incorporate risk prevention skill concepts into their practices, to alleviate perceived patient injury, to control patient satisfaction, and to be cognizant of liability problems. Legal aspects of dentistry that relate to malpractice, negligence, standard of care, and patient communication will be reviewed. Focus areas of the patient/doctor relationship, informed consent, and documentation will be discussed. Conclusions will include summaries of various dental legal cases. *This session will not be taped.*

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 9—Coral

3:45-5 pm

Mastering the electronic apex locator

Carl E. Hawrish, DDS, MSc, Edmonton, AB

This seminar presents the significant body of knowledge relating to the use of the electronic apex locator (EAL) in the clinical practice of endodontics, such as:

1) clinically controllable factors that affect the accuracy of EAL devices; 2) a systematic clinical approach to maximize the precision of electronic working length determination; and 3) unpublished clinical research on the use of third-generation frequency dependent EAL without the use of intra-operative radiographs to confirm working length.

With the information presented in this seminar, a dentist or endodontist can learn the skills involved in the use of the EAL and take the direct and non-stop journey to mastery of working length determination. *Speaker serves as a consultant and/or has a commercial interest in subject matter.*

Visit the Exhibits

Be sure to stop by Trinity Hall, place your orders, and say thanks to the exhibitors who help defray annual session costs.

LAS 10—Emerald

3:45–5 pm

Removal of canal obstructions:
"Retreatodontics"

Bradley H. Gettleman, DDS, MS, Glendale, AZ

This session will teach removal of canal obstructions and "retreatodontics" to include removal of radicular posts, core build-ups, separated instruments, and silver points, as well as other obturating materials. This session will include an overview of the armamentarium that has been developed for use in retreatment cases.

LAS 11—Sapphire

3:45–5 pm

The operating microscope:
More than just a surgical instrument
Fred S. Tsutsui, DMD, Torrance, CA

This presentation will discuss the microscope in endodontics. Topics will include treatment and retreatment of nonsurgical endodontic cases, from diagnostic information to obturation and beyond.

LAS 12—Topaz

3:45–5 pm

Applications of calcium sulfate in
endodontics: A summary of clinical and
research experiences

Gabriele Pecora, MD, DDS, Rome

Nicola Perrini, Pistoia, Italy

John S. Sottosanti, DDS, La Jolla, CA*

This literature review on medical grade calcium sulfate will address its use in periodontal and implant surgery. Multiple cases involving the following endodontic applications will be presented: 1) osteogenic enhancer of bone grafts in large lesions; 2) resorbable barrier in through and through lesions; 3) aid in healing endo-perio communications; 4) matrix and barrier in the surgical and nonsurgical treatment of perforations. Clinical cases will be presented, including long term results. Histologic sections on healing through and through lesions in an animal model will be shown. New directions and applications of this relatively easy-to-use technique will also be discussed.

*Speaker serves as a consultant and/or has a commercial interest in subject matter.

Smoking Policy

For the comfort and health of all attendees, smoking is not permitted at any AAE function. This includes all scientific and general interest sessions, breakfasts, luncheons, receptions, exhibits, and the dinner dance.

 Friday AM, April 26

CONTINENTAL BREAKFAST

Trinity Hall

8–8:45 am

(by ticket only)

EXHIBITS

Trinity Hall

8–5 pm

SCIENTIFIC SESSION V

Grand Ballroom D, Atrium Lobby Level

Moderator: George T. Goodis, DDS, Grosse Pointe, MI

9 am–12 noon

New dimensions in endodontic
microsurgery



Mastering the operating
microscope

Richard A. Rubinstein, DDS, MS,
Farmington Hills, MI

Understand the advantages of the surgical operating microscope and what can be accomplished microsurgically. At the conclusion of the presentation, you should be able to:

- ★ Obtain a visual understanding of endodontic microsurgery and microsurgical technique.
- ★ Describe essential microsurgical armamentarium necessary to obtain reproducible and predictable results.
- ★ Understand recent research using the operating microscope and SuperEBA as the retrofilling material.
- ★ Understand the anatomy and rationale for appropriate operating positions.



Advantages of the
surgical operating
microscope in guided
tissue regeneration (GTR)
with endodontic
indications

Gabriele Pecora, MD, DDS, Rome

Understand new developments in endodontic applications of GTR and how they can be enhanced with the use of the surgical operating microscope. At the conclusion of the presentation, you should be able to:

- ★ Use the surgical operating microscope to identify the cause of pathosis.
- ★ Understand proper tissue handling including flap design and root conditioning.
- ★ Understand the use of resorbable and nonresorbable materials in endodontic applications.

GENERAL INTEREST SESSION IV

Grand Ballroom A, Atrium Lobby Level

Moderator: Kathryn A. Jurosky, DDS, MS
Palo Alto, CA



9–11:30 am

Moving from worry to
action: How to succeed
with referring dentists and
patients in a changing
marketplace

Jack Silversin, DMD, DrPH, Cambridge, MA
Panel members:

Eva C. Dahl, DDS, MA, MS, La Crosse, WI

Edwin S. Mehlman, DDS, Providence, RI

John S. Olmsted, DDS, MS, Greensboro, NC

Terry L. Propper, DDS, MS, Nashville, TN

Denis E. Simon III, DDS, MS, Baton Rouge, LA

John D. West, DDS, MSD, Tacoma, WA

During this interactive session, you will have the opportunity to:

- ★ Understand how the changing marketplace impacts patient and referring dentist expectations.
- ★ Hear how practical applications of AAE research can improve your practice.
- ★ Learn about AAE tools that can help you develop positive working relationships with your key customers.
- ★ Join this panel in an interactive problem-solving discussion.

ENDODONTIC EDUCATORS' FORUM

Metropolitan, Mezzanine Level

Moderator: Charles J. Cunningham, DDS,
Gainesville, FL



9–11 am

Recruitment and
retention of dental school
faculty

Eric J. Hovland, DDS, MEd, MBA, New Orleans

A dedicated, qualified, and student-oriented teacher of dentistry is a treasure for dental education. As other alternatives for the trained and skilled professional appear more attractive than teaching, a major challenge for dental education is the recruitment and retention of the individual who may be interested in an academic career. This presentation will focus on the difficulties of filling faculty positions and examine recruitment strategies that may assist schools in finding and hiring future endodontic educators. The issue of faculty retention and the influence of faculty responsibilities, incentives, university benefits, tenure, and the achievement of personal goals will be presented. An open discussion will follow the presentation for participants to comment on the forum's theme.



SCIENTIFIC SESSION VI

Chantilly Ballroom West, Tower Lobby Level
Moderator: Gerald N. Glickman, DDS, MS, Ann Arbor, MI

9 am-12 noon

Nickel titanium instrumentation panel



Gerald N. Glickman



Wm. Ben Johnson



John T. McSpadden



E. Steve Senia

9-9:15 am

Gerald N. Glickman, DDS, MS, Ann Arbor, MI
The nickel titanium revolution in endodontics

9:15-10 am

Wm. Ben Johnson, DDS, Tulsa, OK
*On the cutting edge:
Concepts, designs, materials . . . magic!*
Speaker serves as a consultant and/or has a commercial interest in subject matter.

10-10:45 am

John T. McSpadden, DDS, Chattanooga, TN
What you should understand to use mechanical approaches effectively for canal preparation
Speaker serves as a consultant and/or has a commercial interest in subject matter.

10:45-11:30 am

E. Steve Senia, DDS, MS, San Antonio, TX
Endodontics using rotary instruments
Speaker serves as a consultant and/or has a commercial interest in subject matter.

11:30-12 noon -

Panel discussion

This comprehensive overview of contemporary rotary nickel titanium instrumentation systems will enable you to make wise and informed decisions about incorporating revolutionary endodontic concepts into practice. At the conclusion of the presentation, you should be able to:

- ★ Understand the properties, metallurgical aspects, and scientifically-based advantages and limitations of nickel titanium in endodontics.
- ★ Explain basic principles and technical considerations of various systems.
- ★ Discuss how unique nickel titanium instrument designs enable canals to be prepared more efficiently and more quickly with engine-driven instrumentation than with traditional instrumentation techniques.
- ★ Thoroughly understand the available choices of engine-driven biomechanical instrumentation alternatives.

This session will be videotaped.

ORAL RESEARCH PRESENTATIONS V

Graduate Student Section
Miro, Mezzanine Level
Moderator: Mahmoud Torabinejad, DMD, MSD, PhD, Loma Linda, CA

9 am

The anesthetic efficacy of the intraosseous injection in irreversible pulpitis
John M. Nusstein (presenter), A. Reader, R. Nist, M. Beck, & W. Meyers, Ohio State Univ.

9:15 am

Effects of autonomic and sensory denervation on pulpal wound healing
Karl Keiser (presenter), & D.J. Chiego Jr., Univ. of Michigan

9:30 am

c-FOS expression in the trigeminal nucleus caudalis following pulpal injury is attenuated by morphine
Ty Erickson (presenter), A.S. Law, W.T. Johnson, & G.F. Gebhart, Univ. of Iowa

9:45 am

Comparison of various transport and storage media on human PDL cell viability
Brian D. Olson (presenter), J.M. Mailhot, R.W. Anderson, R.N. Weller, & G.S. Schuster, Medical College of Georgia

10 am

Identification of bacteria in periapical lesions using DNA probes
John J. Gatti (presenter), Z. Skobe, J.M. Dobeck, C. Smith, & S. Socransky, Harvard Univ.

10:15 am

The effects of mineral trioxide aggregate on the dog pulp
Kurt W. Myers (presenter), E. Kaminski, E. Lautenschlager, & D.A. Miller, Northwestern Univ.

10:30 am

Relationship between bacterial stress response and neutrophil adherence, phagocytosis, and oxidative burst
Ali Etemad-Moghadam (presenter), D.E. Lopatin, G.N. Glickman, & R.E. Ellison, Univ. of Michigan

10:45 am

Apical closure induction using bone growth factors and mineral trioxide aggregate
Kenneth W. Tittle (presenter), J. Farley, T. Linkhardt, & M. Torabinejad, Loma Linda Univ.

11 am

The effects of doxycycline on preventing alveolar bone loss following full thickness flap reflection
G. Reed Cummings (presenter), M. Torabinejad, & D. McKendry, Loma Linda Univ.

Badges

Badges must be worn at all official AAE functions.

Need a break?

Complimentary coffee will be provided in Trinity Hall on Thursday and Friday at 10:30 am and 2:30 pm and on Saturday at 10:30 am.

11:15 am

Chemokine production in mononuclear cells stimulated by oral microorganisms
Thomas R. Russell (presenter), H. Schilder, & Y. Jiang, Boston Univ.

11:30 am

The use of mineral trioxide aggregate cement (MTA) as a direct pulp capping agent
Hamid R. Abedi (presenter), M. Torabinejad, T.R. Pitt-Ford, & L.K. Bakland, Loma Linda Univ.

11:45 am

The incidence of penicillin resistant beta-lactamase-producing bacteria isolated from necrotic root canals
Elizabeth C. Nixon (presenter), R.A. Murphy, & J.E. Van Cura, Univ. of Illinois at Chicago

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 13—Coral

9-10:15 am

Digital reality
Michael M. Hoen, DDS, Fayetteville, NC

This seminar will focus on the practical endodontic applications of digital radiography. Numerous clinical cases will be utilized to demonstrate advantages, disadvantages, and limitations of DOS and WINDOWS operating systems Charge Coupled Device technologies.

LAS 14—Emerald

9-10:15 am

The clinical use and research abuse of stainless steel and nickel titanium rotary endodontic instruments

Neill H. Luebke, DDS, MS, Brookfield, WI
Richard E. Walton, DMD, MS, Iowa City, IA

This presentation will correlate the research data with the clinical application of slow speed handpiece driven rotary instruments, including recently developed instruments. The rationale for the various research methods will be related to clinical usage and the resulting empirical data.

LAS 15—Sapphire

9-10:15 am

Nonsurgical management of endodontic failures: Retreatment

Harris B. Levine, DDS, Lyndhurst, OH

Retreatment has become a significant aspect of endodontic practice. Through extensive case studies, this presentation will address treatment planning; clinical techniques and armamentarium, including the surgical operating microscope; and prognosis.

LAS 16—Topaz

9-10:15 am

Management of avulsed and displaced permanent teeth

James M. Tinnin, DDS, MSD, Fayetteville, AR

This presentation will address the diagnosis and treatment planning of avulsed and displaced permanent teeth. Early emergency treatment, splinting, storage medium, chemotherapeutic agents, and final treatment will be reviewed.

POSTER RESEARCH PRESENTATIONS

Endodontist Section

Trinity Hall

9 am-12 noon**PR 1**

Microleakage of a new glass ionomer root canal sealer

Abdulrahman S. Al-Ghamdi, BDS, MS, Riyadh, Saudi Arabia

PR 2

Detection of cytokines mRNA expression in the human pulpal tissues

Kouji Araki, DDS, PhD, Tokyo, Japan

PR 3

Relationships of microleakage to thickness of retrofilling material

B. Peter Austin, DDS, PhD, Milwaukee

PR 4

Comparing canals shaped by hand, sonic, and radical taper file techniques

Matthew R. Bistan, Milwaukee

PR 5

Coronal and apical leakage assessment for three obturation techniques

Gregory H. Buerschen, Milwaukee

PR 6

Effect of two rotary instruments on distal root walls of first lower molars

Ricardo Caicedo, DDS, & Luis A. Linares, DDS, Santafe de Bogota, Colombia

PR 7

Effects of bleaching procedures in dentin permeability using intracanal isolants barriers

Maria O.F. Ferreira, CD, Sao Paulo, Brazil

PR 8

Evaluation of two types of dental anesthesia in conventional endodontics

Maria A. Granados, DDS, & Lida Duarte, DDS, Santafe de Bogota, Colombia

PR 9

Evaluation of three anesthetic solutions using two local anesthesia techniques

Juan F. Helo, DDS, & Jairo Lopez, DDS, Santafe de Bogota, Colombia

PR 10

Evaluation of the storage media used during tooth replantation

Kyosuke Iwao, DDS, Osaka, Japan

PR 11

Effectiveness of nickel titanium rotary and hand instrumentation in endodontic retreatment

Daniel Kherlakian, DDS, Sao Paulo, Brazil

PR 12

Flow cytometric analysis of lymphocytes in normal and inflamed pulp

Mi Ri Kim, DDS, Seoul, Korea

PR 13

Clinical trial comparing postobturation pain using lateral condensation or ThermoFill

Robert E. Averbach, DDS, Denver

PR 14

Biocompatibility of three endodontic cements, using the subcutaneous implantation test

Nidia R. Mendez, DDS, Santafe de Bogota, Colombia

PR 15

Microleakage and resistance to compression comparative analysis of three core materials

Alejandro Mesa, DDS, & Jessica A. Rolon, DDS, Santafe de Bogota, Colombia

PR 16

Periodontal healing of roots left dry and soaked with Viaspan

Mary T. Pettiette, DDS, Chapel Hill, NC

PR 17

SEM analysis of dentinal tubules after calcium ion diffusion

Rodrigo Rodriguez, DDS, & Leonardo Bustos, DDS, Santafe de Bogota, Colombia

PR 18

Sealing quality of Histoacryl when compared to amalgam as retrofilling

Junio Pereira de Sa, DDS, Osasco, Brazil

PR 19

Quantitative image analysis with RVG-S in endodontics

Takatomo Yoshioka, DDS, & Hideaki Suda, DDS, PhD, Tokyo

PR 20

Effects of ultrasonic and bur root-end preparations on apex canal configuration

Mario L. Zuolo, CD, Sao Paulo, Brazil



Program, continued

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 17—Coral

10:30 am-12 noon

Fun, profitability, and inner peace in private practice

Albert C. Goerig, DDS, MS, Olympia, WA

Many endodontists have not found the rewards, joy, and contentment in private practice that they envisioned after graduating from their residency. This program will address key elements to help each of us move to the next level in practice development and to renew the passion and enjoyment of private practice. Subject areas include setting a vision for your office; employee relationships and commitment; how to work less, reduce stress, and be more profitable; how to empower your staff to run the office; and skills to help you obtain personal fulfillment in life and set a game plan for change in your office and life style.

LAS 18—Emerald

10:30 am-12 noon

Endodontic problem solving and documentation through the microscope
Paul J. Ashkenaz, DDS, Chicago
Scott K. Bentkover, DDS, Crystal Lake, IL

The use of the operating microscope greatly enhances our ability to solve many clinical problems, such as calcified canals, perforation repairs, and canal obstructions. This presentation will use extensive case histories to illustrate not only how to solve these problems, but also how to document them through the use of 35mm, video, and computer enhanced media.

LAS 19—Sapphire

10:30 am-12 noon

Clinical diagnosis and treatment planning in endodontics

Paul A. Jones, DDS, MS, Leawood, KS

A discussion of a step-by-step approach to the clinical diagnosis of pulpal conditions and treatment planning in an endodontic practice.

LAS 20—Topaz

10:30 am-12 noon

A suggested repair technique for furcation perforation

Hatem A. Alhadainy, BDS, MSD, PhD, Tanta, Egypt

Furcation perforation has been treated as one homogeneous defect. This concept should be reconsidered because furcation perforation involves dentin and periodontal tissues with various repair processes. A technique for repairing furcation perforation will be presented.

AADS ENDODONTIC SECTION MEETING

Metropolitan, Mezzanine Level

11 am-12 noon

 **Friday PM, April 26**

AWARD LUNCHEON

Chantilly Ballroom East, Tower Lobby Level

Moderator: Kevin T. King, DDS, Chicago

12 noon-1:45 pm

(by ticket only)



Speaker: Steven G. Stutsman, DDS, aka the Rev. Dr. Bubba Bookout, Dallas

Giggle while you nibble as "America's Funniest Dentist" serves up lots of laughs.

Louis I. Grossman Award



Herbert Schilder, DDS
Boston

The Louis I. Grossman Award is given to an AAE member for cumulative publication of significant research studies which have made an extraordinary contribution to endodontology.

Ralph F. Sommer Award



Gunnar Bergenholtz, DDS,
Gothenburg, Sweden

The Ralph F. Sommer Award recognizes the principal author of a publication of specific significance to the science and art of endodontology.

Insurance Questions?

Treloar and Heisel has been the endorsed administrator of insurance programs for the AAE for more than 17 years. Stop by their booth in the Registration Area.

The statements and opinions expressed at the Annual Session are solely those of the individual speakers. Their statements and opinions do not reflect any endorsement by the American Association of Endodontists.

AWARD LUNCHEON, continued

Endodontic Educator Award



Eric M. Rivera, DDS, MS
Iowa City, IA

The Endodontic Educator Award recognizes an endodontist who has demonstrated status as an outstanding educator by earning the esteem and respect of students and faculty associates; by the quality of former/current students and their impact on endodontics; and by receiving invitations to present endodontic seminars, lectures or workshops at other educational or research institutions.

SCIENTIFIC SESSION VII

Grand Ballroom A, Atrium Lobby Level

Moderator: John W. Harrison, DMD, MS,
Dallas

2-4:30 pm



Guided tissue regeneration in endodontics

Richard B. Feinstein, DDS, Los Angeles

Learn the various uses of resorbable and nonresorbable membranes in endodontic surgery. Endodontists sometimes encounter very large bony lesions as well as periodontal defects during surgery. The use of nonresorbable and resorbable membranes in guided tissue regeneration techniques helps promote formation of new bone, cementum, and periodontal ligament over the diseased root surface. Fractured roots with subsequent extensive bone loss and periodontal pocket formation have become more prevalent in association with endodontically treated teeth. Endodontic clinical cases using guided tissue regeneration techniques will be shown, including retention of vertically fractured endodontically treated teeth with advanced periodontal lesions. At the conclusion of the presentation, you should be able to:

- ★ Understand the concept of guided tissue regeneration.
- ★ Understand when to use the procedure.
- ★ Determine the proper flap design.
- ★ Select the proper membrane for each particular situation.
- ★ Understand the postoperative management of the patient.

SCIENTIFIC SESSION VIII

Chantilly Ballroom West, Tower Lobby Level
 Moderator: Richard E. Walton, DDS, MS, Iowa City, IA

2-5 pm
Obturation panel



Richard E. Walton



James L. Gutmann



William P. Saunders



Franklin S. Weine



John D. West

2-2:30 pm
 James L. Gutmann, DDS, Dallas
Core gutta-percha carriers—Applications, adaptations, and assessment

2:30-3 pm
 William P. Saunders, PhD, BDS, Glasgow, Scotland
Injectable gutta-percha systems

3-3:30 pm
 Franklin S. Weine, DDS, MSD, Chicago
Lateral condensation of gutta-percha—No way does it better!
Speaker serves as a consultant and/or has a commercial interest in subject matter.

3:30-4 pm
 John D. West, DDS, MSD, Tacoma, WA
Vertical compaction of warm gutta-percha

4-5 pm
Open panel

Various obturation techniques and devices are available. Understand and learn how to select the appropriate technique according to a particular clinical situation. After the presentation, you should be able to describe:

- ★ A variety of devices and instruments available for obturation.
- ★ The advantages and disadvantages of these devices and techniques.
- ★ The indications and contraindications of each according to differing clinical situations.
- ★ The biological and clinical basis and background for each technique.

This session will be videotaped.

GENERAL INTEREST SESSION V

Grand Ballroom D, Atrium Lobby Level
 Moderator: Denis E. Simon III, DDS, MS,
 Baton Rouge, LA



2-5 pm
Seven weeks to better sex

Domeena Renshaw, MD, Maywood, IL

This presentation discusses close relationships, the barriers to intimacy, and the bridges to build or to restore comfortable closeness.

- ★ Discussion on common sex problems and how to overcome them.
- ★ Explanation of how to use a self-help book on enriching sexual exchange or reversing symptoms.

AMERICAN BOARD OF ENDODONTICS

Senators Hall, Tower Lobby Level
 Moderator: A. Eddy Skidmore, DDS, Morgantown, WV

2-5 pm
The Board Walk: Becoming a Diplomate
 Charles J. Cunningham, DDS, Gainesville, FL
 Samuel O. Dorn, DDS, Ft. Lauderdale, FL
 Robert L. Ellison, DDS, MSc, Detroit
 Harold E. Goodis, DDS, San Francisco
 Jeffrey W. Hutter, DMD, Bethesda, MD
 William T. Johnson, DDS, MS, Iowa City, IA
 Sandra Madison, DDS, MS, Asheville, NC
 Marshall D. Peikoff, DMD, MSD, Winnipeg, MB



The directors of the American Board of Endodontics will present a program on the Board certification process for candidates and others interested in becoming Diplomates. Recent changes in the sequencing of the examination and recertification will be addressed. Also, each section of the certification process, written and oral examinations, and case history portfolios will be presented with suggestions to assist endodontists on their "Board Walk."



New this year!

ENDODONTIC ANCILLARY PERSONNEL PROGRAM



Customer satisfaction: The challenge and the opportunity
Monet, Mezzanine Level
Moderator: James C. McGraw, DDS, Bellevue, WA

2-5 pm
Jack Silversin, DMD, DrPH, Cambridge, MA

The AAE has taken an innovative approach to supporting the success of endodontic practices. Its research efforts have illuminated the factors most critical to satisfying your practice's two key customers: referring dentists and patients.

In this specially designed course for all endodontic practice staff, you will learn: 1) how patients and referring doctors judge you and your doctor's practice, and 2) concrete actions and skills you can apply to meet the challenge of achieving customer satisfaction while enhancing your own. You will come away from this session with a keener understanding of the role you can play in helping an endodontic practice to thrive.

(Designed for all endodontic office personnel. See Saturday listing on page 17 for more programs.)

ORAL RESEARCH PRESENTATIONS VI

Endodontist Section
Morocco, Mezzanine Level
Moderator: Eric M. Rivera, DDS, MS,
Iowa City, IA

2 pm
In vivo comparison: Digital imaging and film in assessing periapical lesion dimension
Sondra L. Avant (presenter), Univ. of Louisville

2:15 pm
Pulpal effects of dentin desensitization with Nd:YAG laser
Shimon Friedman (presenter), M. Narhi, & T. Hirvonen, Univ. of Toronto & Univ. of Kuopio, Finland

2:30 pm
The role of the socket in healing of replanted dog teeth
Martin Trope (presenter), J. Hupp, S. Mesaros, & M. Pettiette, Univ. of North Carolina

2:45 pm
Identification of bacterial species in root canal infections
J. Craig Baumgartner (presenter), B.J. Watkins, & K.S. Bae, Oregon Health Sciences Univ.

3 pm
Development of an anaerobic microbial leakage model
Kwang S. Bae (presenter), T.T. Nakata, & J.C. Baumgartner, Oregon Health Sciences Univ.

3:15 pm
Antimicrobial effects of calcium hydroxide after repeated exposure to pathogens
Eric M. Rivera (presenter), M.A. Zerr, & D.R. Drake, Univ. of Iowa

3:30 pm
Smear layer removal and microbial leakage along root canal fillings
Gary D. Behrend (presenter), C.W. Cutler, & J.L. Gutmann, Baylor College of Dentistry

3:45 pm
Bone-resorptive cytokines in early periapical lesions of scid mice
Ashraf F. Fouad (presenter), Univ. of Connecticut

4 pm
Root surface temperatures produced during post space preparation
Wm. Frank Kimbrough (presenter), R.N. Weller, & R.W. Anderson, Medical College of Georgia

4:15 pm
In vitro fracture strength of endodontically treated premolars
Bradford R. Johnson (presenter), & A. Steele, Univ. of Illinois at Chicago

ORAL RESEARCH PRESENTATIONS VII

Graduate Student Section
Miro, Mezzanine Level
Moderator: Robert R. White, DMD, Boston

2 pm
Responses of pulpal immunocompetent cells to experimental caries
Abu M.M. Kamal (presenter), & H. Suda, Tokyo Medical and Dental Univ., Japan

2:15 pm
The effects of 10% carbamide peroxide gel on human pulp tissue: Immunohistochemical analysis
Donald G. Anderson (presenter), & G.N. Glickman, Univ. of Michigan

2:30 pm
Laser doppler flowmetry measurements of vital ischemically necrosed and nonvital pulp tissue
Samuel V. Mesaros (presenter), M. Trope, E.J. Burkes, & W. Maixner, Univ. of North Carolina

2:45 pm
Effect of extracellular calcium and pH on intracellular calcium regulation in a rat pulpal cell line
Rodney D. Ida (presenter), B. Wong, I. Guo, T. Kawase, & J. Gutmann, Baylor College of Dentistry

3 pm
Analysis of root dentin composition using infrared microscopy spectrophotometry
Konstantinos Verdelis (presenter), E.P. Paschalis, A.L. Boskey, S.B. Doty, & G. Eliades, Columbia Univ., Hospital for Specialty Surgery, NY, and Research Center for Biomaterials, Athens, Greece

3:15 pm
Tissue compatibility of root surfaces resected with burs or Nd:YAG laser
Wayne A. Maillet (presenter), C.D. Torneck, & S. Friedman, Univ. of Toronto

3:30 pm
Regulation of a cementum-associated extracellular matrix protein by endodontic materials
Mario D'Amato (presenter), R. Craig, & P.A. Rosenberg, New York Univ.

3:45 pm
Early response of the dentinal tubular compartment to cavity preparation
Tom J. Iwanowski (presenter), & C.D. Torneck, Univ. of Toronto

4 pm
Cytotoxic responses of osseous cells to root canal obturating materials
William R. Patton (presenter), G.S. Schuster, R.J. Loushine, R.N. Weller, & D.W. Craft, US Army Dental Activity & Medical College of Georgia

4:15 pm
Effect of EDTA treatment on the composition of root dentin with respect to location on root
Konstantinos Verdelis (presenter), E.P. Paschalis, A.L. Boskey, J. Margelos, & G. Hasselgren, Columbia Univ., Hospital for Specialty Surgery, NY, and Research Center for Biomaterials, Athens, Greece

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 21—Coral

2-3:15 pm

Guided tissue regeneration

Robert A. Uchin, DDS, Ft. Lauderdale, FL

The advent of GTR membrane use in the treatment of advanced bony lesion case management provides the endodontist an additional adjunctive tool to treat an isolated bony defect with enhanced expectation of clinical regeneration of bone in the healing process. A review of the literature and a discussion of endodontic indications and techniques will be presented.

LAS 22—Emerald

2-3:15 pm

Management of calcified and curved canals

Peter Velvart, DMD, Zurich, Switzerland

Emphasis will be placed on detection of canals, removal of obstructions from previous treatments, and how to bypass possible ledges to gain access to the root canal. Once the canal has been penetrated, a new approach to instrument the calcified and curved canals—the patency technique—will be presented.

LAS 23—Sapphire

2-3:15 pm

Management of orofacial pain in the endodontic office

Patrick Bogaerts, LSD, Brussels, Belgium

George A. Zurkow, DDS, Wilmington, DE

When a patient presents with pain of a suspected nondental origin, what should the endodontist do? To answer this question, case reports will be presented with a discussion of diagnostic techniques and methods of management.

LAS 24—Topaz

2-3:15 pm

Have endosseous implants (endodontic stabilizers) been forgotten?

Pabla Barrientos, DDS, Santiago, Chile

There is an increasing use of osseointegrated implants in patients where endosseous implants (EDI) may be indicated. This presentation will cover fundamentals for surgical technique and a 25-year review of clinical cases that will demonstrate that EDI may improve radicular retention, obturate root perforations, and complement radicular extrusions.

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 25—Coral

3:45-5 pm

Endodontic-related inferior alveolar nerve and mental foramen paresthesia

Donald R. Morse, DDS, PhD, Cherry Hill, NJ

Fifteen cases of prevention of paresthesia from overfilled lower premolars and molars and one case of an infection-related lower premolar paresthesia treatment will be presented.

LAS 26—Emerald

3:45-5 pm

What the endodontist should know about orthodontic treatment

Yolanda V. Justus, DDS, CD, Mexico City

This presentation will discuss endodontic clinical cases undergoing orthodontic treatment where a difficulty arises in the differential diagnosis of pain, whether it is of endodontic origin or due to orthodontic tooth movements. The treatment of traumatic dental injuries and the endo-ortho relation for stabilizing these teeth will be reviewed, as will the subject of root resorption during ortho treatment in endodontically treated vs. vital teeth.

LAS 27—Sapphire

3:45-5 pm

Intentional replantation

Uziel Blumenkranz, DDS, Caracas, Venezuela

Although it is known that endodontic treatments have a success rate of more than 90 percent, some of the cases treated still fail. Though many of these failures can be solved surgically, some patients will not accept a surgical alternative, or some teeth are not mendable by surgical procedures. In this presentation, indications and contraindications will be given for intentional replantation, and three cases solved with this alternative will be discussed.



Seattle Coffee Mugs

Be sure to visit the 1997 Annual Session Display, located in the AAE Information Center in Trinity Hall, and exchange your voucher for a free coffee mug (while supplies last).

LAS 28—Topaz

3:45-5 pm

Rational use of bone substitutes and membranes in endodontic surgery

Jean-Yves G. Cochet, DDS, Paris

Bone substitute materials and membranes are generally used in periodontology. According to the latest histologic, biochemical, and clinical studies on guided tissue regeneration, this concept can be adapted to surgical endodontics and the real indications and specific properties of these biomaterials can be determined. Resorbability, sterilization, and the absence of immunologic response are the principal reasons for choosing certain biomaterials to treat bone defects. The resorbable membranes actually increase significantly the possibility of treatment in different critical situations. C.T. Scan are generally used to visualize bone defects and sinus pathologies; they allow modification of surgical strategy and represent a particular help to control the real bone regeneration. The relationship between endodontics and sinus pathology will be analyzed, and an approach to treat sinus pathologies will be discussed.

ABE DIPLOMATE MEETING

Senators Hall, Tower Lobby Level

5-6 pm

 **Saturday AM, April 27**

CONTINENTAL BREAKFAST

Trinity Hall

8-8:45 am

(by ticket only)

EXHIBITS

Trinity Hall

8 am-1 pm

POSTER RESEARCH PRESENTATIONS

Graduate Student Section

Trinity Hall

8:30-11:30 am

PR 21

Endotoxin penetration from mixed culture through obturated, post-prepared canals
Joseli A. Alves, DDS, Univ. of Iowa

PR 22

Comparison of debris extruded apically: Conventional filling versus ProFile .04 Taper Series 29

Thomas J. Beeson, DDS, Medical College of Virginia

continued on next page



Program, continued

POSTER RESEARCH PRESENTATIONS, continued

Trinity Hall

PR 23

Effects of Toradol on inflammatory cytokines in human osteoblasts
Frederick L. Canby, DDS, Northwestern Univ.

PR 24

A comparison of two instrumentation techniques to prepare simulated curved canals
Craig R. Carr, DDS, Marquette Univ.

PR 25

Timing of restoration as a risk factor for endodontic outcome
Nadia Chugal, DDS, MS, MPH, Univ. of Connecticut

PR 26

Permeability of sealed and unsealed bevel preparations
Joseph D. de Guzman, DDS, Marquette Univ.

PR 27

Determining the location of horizontal root fractures with apex locators
James R. Dow, DDS, Univ. of Maryland

PR 28

The effects of deep cryogenics on the strength of files
Scott A. Drancik, DMD, St. Louis Univ.

PR 29

Smear layer removal and apical seal as determined by electrochemical analysis
David K. Fagundes, DMD, Univ. of Maryland

PR 30

Comparison of hand filling with two engine driven techniques
Kenneth J. Frick, DDS, Marquette Univ.

PR 31

Effects of PDGF on bone nodule formation in vitro
Sung-Chih Hsieh, DDS, Boston Univ.

PR 32

The viability of periodontal ligament cells of teeth stored for extended periods
James G. Hupp, DMD, Univ. of North Carolina

PR 33

Determining the need for endodontic treatment in a dental school population
Maryam M. Monfared, DDS, Medical College of Virginia

PR 34

Shelf life determination of premixed sealer cement packaged in cannulas
Mary Pang, DDS, & Rory E. Mortman, DDS, New York Univ.

PR 35

Removal of a carbon-fiber post system
Scott B. Peters, DDS, Northwestern Univ.

PR 36

A comparative retrofill leakage study utilizing surgical Simplex P bone cement
James M. Randall, DDS & Wanda F. Goodreau, DMD, Univ. of Maryland

PR 37

Comparison accuracy of four apex locators in vitro
Patrick W. White, DDS, Marquette Univ.

PR 38

Finite element analysis of stresses developed during spreader insertion
Thomas J. Witek, DDS, Marquette Univ.

TABLE CLINICS

Trinity Hall

8:30-11:30 am

TC 1

An engine driven root canal preparation system with electronic canal length measurement
Chihiro Kobayashi, DDS, PhD, & Takatomo Yoshioka DDS, Tokyo

TC 2

Surgical periodontics as an adjunct to surgical endodontics
Emanuel Alvaro, DDS, Harvard Univ.

TC 3

The control of postoperative endodontic pain with corticosteroids
Sarina A. Azar, DDS, Albert Einstein Medical Center

TC 4

The incidence of multiple canals in the mesiobuccal root of maxillary molars
William S. Bachicha, DDS, & Gregory E. Shinkwin, DDS, Northwestern Univ.

TC 5

Repair for internal matrix repair for endodontic perforations using bovine type I collagen
Anthony P. Bastulli, DDS, & Kevin T. Mullin, DDS, Univ. of Maryland

TC 6

Innovative applications for collagen matrices in endodontics
Michael R. Bishop, DDS, & Michael A. Sulfaro, DDS, Univ. of Michigan

TC 7

Atypical odontalgia: A condition that may mimic odontogenic pain ... diagnosticians beware!
Carrie L. Burger, DDS, & Jason P. Devey, DMD, Naval Dental School

TC 8

The use of transillumination and methylene blue dye to visualize root fractures during periradicular surgery
Deborah K. Creagh, DMD, & John D. Regan, BDS, MSc, Baylor College of Dentistry

TC 9

Strengthening of immature permanent teeth during and after apexification
B. Clark Daiton, DMD, & Nooshin Katebzadeh, DDS, Univ. of North Carolina

TC 10

Variably-tapered instruments: Do they really make a difference?
Matthew S. Davis, DDS, & Aric C. Smith, DDS, Univ. of Michigan

TC 11

The use of ProFile .04 Taper Series 29 rotary instruments for retreatments and separated instruments
James C. Douthitt, DDS, & Vivian L. Manjarres, DDS, Baylor College of Dentistry

TC 12

Synopsis of the hypochlorite accident
George J. Euler, DDS, & Scott A. Jensen, DMD, Naval Dental School

TC 13

Radiographic interpretations of root fractures
John B. Goessman, DDS, Univ. of Maryland

TC 14

Diagnosis and treatment of dentinal hypersensitivity
Scott A. Janse, DDS, Univ. of Texas at Houston

TC 15

The effect of bur type on resected root surfaces
Constantinos D. Laghios, DDS, & Myron S. Hilton, DDS, MPH, Baylor College of Dentistry

TC 16

Vertical root fractures
Blaine E. Mowrey, DMD, & Donna M. Pisano, DDS, Northwestern Univ.

TC 17

Calcific metamorphosis: Diagnosis and treatment concerns
Peter M. Murphy, DDS, & Edward D. Kosakoski, DMD, Naval Dental School

TC 18

Suturing and suturing materials
Ali Nasseh, DDS, Harvard Univ.

TC 19

Light transmitted intraradicular endodontic restorations
David F. O'Connor, DMD, & Diane L. Doyle, DMD, Univ. of Maryland

New this year!

ENDODONTIC ANCILLARY PERSONNEL PROGRAM

U 2 KN DO RCT

Metropolitan, Mezzanine Level
Moderator: Jeffrey W. Hutter, DMD,
Bethesda, MD



9-11:30 am

John S. Olmsted, DDS,
MS, Greensboro, NC

The dental assistant is an integral part of the endodontic team. This session will be devoted to helping all dental assistants complete endodontic procedures for which they are trained, that are legal in their state, and with which they feel comfortable. The endodontic assistant will learn how to gather information to help with diagnosis, instrumentation and obturation of the root canal system, and postoperative care. The practical side of OSHA requirements will also be discussed, and AAE patient education materials will be handed out for review.

(Designed for endodontic dental assistants.)

See Friday listing on page 14 for additional ancillary personnel program.

Enhancing front desk operations

Monet, Mezzanine Level
Moderators: Gerald C. Dietz Sr., DDS, Bloomfield Hills, MI and
Philip W. Cohen, DDS, MS, Livonia, MI



9-10:15 am

Martin D. Levin, DMD,
Chevy Chase, MD

This two-part workshop will explore the need for customer service strategies to enhance front desk operations. The first session will emphasize patient flow from initial telephone contact and patient welcome through patient checkout. In addition, each phase of the patient experience will be examined to focus on how to exceed patient expectations.



10:15-11:30 am

Gerald C. Dietz Sr., DDS
Philip W. Cohen, DDS, MS

The second part of this workshop will feature Drs. Dietz and Cohen moderating an interactive panel of office managers from several solo and group practices. They will explore additional operational issues and encourage a lively group discussion of concepts presented in the lecture. Endodontic office staff panelists are: Janet Fowler, Livonia, MI; Denise Cartier, Bloomfield Hills, MI; Deborah Jones, Plano, TX; and Amy Altman, Washington, DC. *(Designed for endodontic administrative and front office personnel.)*

TC 20

The effect of sterilization procedures on the torsional properties of rotary nickel titanium endodontic files
Joseph A. Silvaggio III, DMD, Albert Einstein Medical Center

TC 21

Rubber dam isolation of a cosmetically sensitive subgingivally fractured maxillary central incisor using Stomahesive and OraSeal
Bruce C. Smith, DMD, & James E. Pastor, DDS, Naval Dental School

TC 22

Endodontic file tip design
Orsure W. Stokes, DMD, Northwestern Univ.

TC 23

Endodontic treatment of one canal of a fused tooth
Mickey L. Unsell, DDS, Naval Dental School

TC 24

How would you characterize your pain?
David E. Witherspoon, BDSc, & Robert S. Hamilton, DDS, Baylor College of Dentistry

SCIENTIFIC SESSION IX

Grand Ballroom D, Atrium Lobby Level
Moderator: Henry J. Rankow, DDS, Camp Hill, PA

9-11:45 am



Salvaging post problems

Noah Chivian, DDS, West Orange, NJ
This presentation will describe the techniques used to prevent chaos when endodontically treated teeth require posts and show how to salvage problem teeth with post perforations or fractured posts. At the conclusion of the presentation, you should be able to:

- ★ Describe the fundamentals of post design, including preventing root fractures.
- ★ Efficiently and safely prepare post space.
- ★ Describe the factors and materials involved in post perforation repair and implement them.
- ★ Remove posts for retreatment and fractured posts to save abutment teeth.

SCIENTIFIC SESSION X

Chantilly Ballroom West, Tower Lobby Level
Moderator: Christopher S. Wenckus, DDS, Chicago

9-11:30 am



Advanced nonsurgical endodontics: Concepts, strategies, and techniques

Clifford J. Ruddle, DDS, Santa Barbara, CA
Learn a variety of microendodontic techniques commonly employed in nonsurgical endodontic disassembly. At the conclusion of the presentation, you will have a greater appreciation of the concepts, strategies, and techniques employed in microendodontic retreatment and be able to:

- ★ Better understand root canal system anatomy and the role it plays in endodontic prognosis.
- ★ Appropriately select when to perform nonsurgical vs. surgical retreatment.
- ★ Disassemble restorative dentistry.
- ★ Identify and treat missed canals.
- ★ Remove posts and cores.
- ★ Eliminate obturation materials.
- ★ Repair perforations using hemostatics, matrices, and materials.
- ★ Retrieve broken instruments.

This session will be videotaped.



Program, continued

GENERAL INTEREST SESSION VI

Grand Ballroom A, Atrium Lobby Level
Moderator: Harmon R. Katz, DDS, New Brunswick, NJ

9-11:45 am

Managed care panel



9-9:45 am

Ethics and managed care

Muriel J. Bebeau, PhD, Minneapolis

New market forces challenge the values that have traditionally guided health care. This presentation will examine their adequacy in light of the forces impacting the profession. After a brief look at these values emerging as guides to professional practice, learn about the new values required of the professional and new ways for providers and purchasers to cooperate to realize the potential for "managed care."

11:15-11:45 am

Open discussion



9:45-10:30 am

Legal issues in managed care

Mark S. Rubin, JD, Chicago

Participants will be informed about general legal issues regarding managed care, including antitrust, business torts, and contract analysis by this ADA staff attorney. This information will help dentists make informed individual decisions about whether to participate in managed care or any particular plan.



10:30-11:15 am

Legislative efforts affecting managed care plans

Thomas J. Spangler, JD, Washington, DC

An overview of federal and state legislative activities affecting issues commonly associated with managed care will be discussed, focusing on specific actions involving the American Dental Association and legislative provisions that could directly impact the practice of dentistry. Part of the presentation will create an understanding and appreciation for the remedies we can expect from the legislative process. An explanation will be provided of what each ADA/AE member can do to assist organized dentistry in carrying its message to the United States Congress and the State Legislatures.

ORAL RESEARCH PRESENTATIONS VIII

Graduate Student Section

Miro, Mezzanine Level

Moderator: Thom C. Dumsha, MS, DDS,
Baltimore

9 am

Anesthetic efficacy of supplemental intraosseous injections in mandibular posterior teeth

Jonathan W. Reitz (presenter), A. Reader, R. Nist, M. Beck, & W. Meyers, Ohio State Univ.

9:15 am

Longitudinal sealing ability of mineral trioxide aggregate as a root-end filling material

Christopher F. Bates (presenter), D.L. Carnes, & C.E. Del Rio, Wilford Hall USAF Medical Center & Univ. of Texas at San Antonio

9:30 am

Biocompatibility and osteogenic potential of G5 and G6

Ron L. Steinbrunner (presenter), C.E. Brown Jr., J.J. Legan, & A.H. Kafrawy, Indiana Univ.

9:45 am

Interaction of calcium hydroxide with zinc oxide-eugenol type sealers: A potential clinical problem

Konstantinos Verdelis (presenter), J. Margelos, G. Eliades, & G. Palaghias, Columbia Univ. & Greek Research Center for Biomaterials

10 am

Disintegration of SuperEBA in solutions with adjusted pH and osmolarity

Jimmy W. Arnold (presenter), F.A. Rueggeberg, R.W. Anderson, R.N. Weller, J.L. Borke, & D.H. Pashley, Medical College of Georgia

10:15 am

Evaluation of cracks associated with ultrasonic root-end preparation of obturated or unobturated canals

Kristen L. Beling (presenter), J.G. Marshall, L.A. Morgan, & J.C. Baumgartner, Oregon Health Sciences Univ.

10:30 am

The effect of microscopy on surgical decisions

Ray C. Richie-Gillespie (presenter), J.T. Barss, D.A. Miller, & E. H. Greener, Northwestern Univ.

10:45 am

A comparison of sealer placement techniques in curved canals

Michael C. Hall (presenter), D. Clement, S.B. Dove, & W.A. Walker III, Wilford Hall USAF Medical Center & University of Texas at San Antonio

11 am

Interpretation of periapical lesions using digital radiography versus conventional radiography

Edward J. Mistak (presenter), R.J. Loushine, P. D. Primack, L.A. West, & D.A. Runyan, US Army Dental Activity

11:15 am

Computer imaging and the anatomical considerations of post space preparation

Josanne O'Dell (presenter), D. Al-Sudani, & M. Abou-Rass, Univ. of Southern California

SATURDAY

Visit the Exhibits

Be sure to stop by Trinity Hall, place your orders, and say thanks to the exhibitors who help defray annual session costs.

LIMITED ATTENDANCE SESSIONS

Limited seating. NO standing permitted. All LAS rooms are located in the Tower Lobby Level.

LAS 29—Coral

9-10:30 am

The role of the microscope in creating the exceptional endodontic practice

John D. West, DDS, MSD, Tacoma, WA

How can a microscope be incorporated into a busy practice? Is it worth it? Do you need it? What is the relationship of the microscope to personal and professional satisfaction, to revitalizing the endodontic team, to the education of patients, to the enlightenment of the restorative dentist, and to the community? This session will address each of these questions as well as provide answers to crucial questions about practice style, identity, innovative techniques, new materials, and managed care.

This session will not be taped.

LAS 30—Emerald

9-10:30 am

Treatment of vertical fractures: Immediate implantation

Sebastiano Andreana, DDS, MS, Rome

Dario De Leonardis, DDS, Rome

Ugo Covani, DDS, MD, Camaiore, Italy

Vertical fractures still represent a challenge in terms of diagnosis and treatment for the endodontist. Most of the time, teeth presenting vertical fracture are hopeless and extraction is indicated.

Immediate implantation to replace extracted teeth has proved to be a valid alternative treatment with very high rate of success.

With immediate implantation, natural bone height and width are preserved, as well as the natural position of the tooth. Contrarily, delayed treatment allows for alveolar crest resorption, leading to more extensive treatment plans. This presentation will elucidate the rationale beyond immediate implantation, long term evaluation, and rate of success. Step-by-step clinical phases, from diagnosis to surgery to completion of the cases, will be illustrated.

Taping

Audio and video taping are allowed only with permission of the speaker.

LAS 31—Sapphire

9-10:30 am

Vertical root fractures (VRF) in endodontically treated teeth: A diagnostic perplexity

Aviad Tamse, DMD, Tel Aviv, Israel

The diagnosis and management of VRFs in endodontically treated teeth is difficult and frustrating for the patient and the dentist as well. No single sign is pathognomonic for this phenomenon, and a long time can elapse between the dental procedures and the clinical or radiographic manifestations. Many times the signs, symptoms, or radiographic features imitate true periodontal problems or root canal treatment failure. The combination of the signs, symptoms, radiographic picture, and the case history can lead to a possible diagnosis. Often, however, the fracture is only discovered after performing an exploratory flap or extraction. This presentation will review clinical procedures that can help to obtain a diagnosis such as slight gingival retraction; dyeing suspected areas in the pulp chamber after total cleaning; and full periodontal flap.

LAS 32—Topaz

9-10:30 am

Pulp biology research:

New insights and future directions

Rena D'Souza, DDS, PhD, Houston

This presentation will provide an overview of clinically relevant research advances made in understanding the biology of the dentin-pulp complex during development and repair.

Badges

Badges must be worn at all official AAE functions.

Attire

Business casual clothing is recommended for daytime wear. For evening, dress slacks, skirts, and casual dresses are appropriate. Some restaurants require jackets and ties. Black tie is optional at the President's Dinner Dance.

Smoking Policy

For the comfort and health of all attendees, smoking is not permitted at any AAE function. This includes all scientific and general interest sessions, breakfasts, luncheons, receptions, exhibits, and the dinner dance.

 **Saturday PM, April 27**

EDGAR D. COOLIDGE LUNCHEON

Chantilly Ballroom East, Tower Lobby Level

12:30-1:45 pm

(by ticket only)

Moderator: H. Robert Steiman, DDS, Detroit

Edgar D. Coolidge Award



Stuart B. Fountain,
DDS, MSc,
Greensboro, NC

The Coolidge Award is presented to a member who has actively participated in the AAE during his or her professional life, displaying outstanding leadership and exemplary dedication to dentistry and endodontics.

Graduate student awards for oral research presentations, poster research presentations, and table clinics will also be presented. Financial support for the student awards is provided by Caulk/Dentsply.

GENERAL ASSEMBLY

Wedgwood, Tower Lobby Level

2-4 pm

PAST PRESIDENTS' RECEPTION

Chantilly Foyer, Tower Lobby Level

6:30-7:30 pm

Preceding the President's Dinner Dance, this annual reception will offer a cash bar.

PRESIDENT'S DINNER DANCE

Chantilly Ballroom, Tower Lobby Level

7:30 pm-midnight

(by ticket only)

Join friends, family, and colleagues for an elegant evening wrapping up the 53rd Annual Session. Dine on sumptuous food while listening to a lively array of music. (Dress is black tie optional.)

 **Sunday, April 28**

FAREWELL BREAKFAST

Wedgwood, Tower Lobby Level

8-9 am

(by ticket only)

FACULTY DEVELOPMENT POST MEETING

Fleur-de-Lis A & B

Henry A. Gremillion, DDS, Gainesville, FL

Triaging the orofacial pain patient

9-4 pm

(by invitation only)

AAE FOUNDATION

1996

H. Groves Cooke III
 Ronald I. Deblinger, Treasurer
 Cindy R. Rauschenberger
 William J. Schroeder Jr.

1997

Stephen Cohen
 Billie G. Jeansonne
 Herbert Schilder, President-elect

1998

Kent W. Cunningham
 William D. Powell, Secretary
 Mahmoud Torabinejad, President

AAE Officers serving as Trustees

Philip W. Cohen, President
 Jerome V. Pisano, President-elect
 Carl W. Newton, Secretary
 Richard C. Burns, Immed. Past President
 Irma S. Kudo, Executive Director
 (ex officio)

THANK YOU

The Foundation Trustees extend their deepest appreciation to the generous individuals who have contributed to the Endowment for Endodontic Excellence.



Board and Committee Meetings

Sunday, April 21

American Board of Endodontics Board of Directors, 1-6 pm Dardenelles

Monday, April 22

American Board of Endodontics Board of Directors, 8 am-6 pm Inverness

Tuesday, April 23

AAE Board of Directors, 8 am-5 pm Emerald

Wednesday, April 24

AAE Foundation Board of Trustees, 8 am-5 pm Morocco

American Board of Endodontics Board of Directors Inverness

Dental Benefits, 2-5 pm Peridot

Honors & Awards, 2-5 pm Obelisk B

Research & Scientific Affairs, 2-5 pm Obelisk A

Friday, April 26

Clinical Practice, 7-8:45 am Lalique

Constitution & Bylaws, 7-8:45 am Obelisk B

Editorial Board, 7-8:45 am Rosetta

Endodontic Ancillary Personnel, 7-8:45 am Steuben

Governmental Affairs and Federal Dental Health Services, 7-8:45 am Travertine

Membership Insurance, 7-8:45 am Wyeth

Membership Services, 7-8:45 am Fleur-de-Lis A

Professional Standards, Peer Review & Ethics, 7-8:45 am Obelisk A

Saturday, April 27

Educational Affairs, 7-8:45 am Travertine

Public and Professional Affairs, 7-8:45 am Wyeth

Past Presidents' Breakfast, 7:45-8:45 am Honeysuckle Room, 27th Floor

Sunday April 28

AAE Board of Directors, 8 am-1 pm Morocco

Auxiliary Program



President

Aimeé Simon (Denis)

President-elect

Kathy Linebarger (William)

Vice President

Phyllis Baur (Jack)

Secretary

Rikki Bell (Craig)

Treasurer

Debra Howard (James)

Parliamentarian

Mary Jastrab (Robert)

Local Arrangements

Marylou Gutmann (James)

All meetings will be in the Tower Garden Hospitality Suite unless otherwise indicated.

Wednesday, April 24

3-5 pm Board meeting

5-6 pm Liaison meeting

Thursday, April 25

8-10 am Hospitality Suite

3-5 pm Lillian Pear reception

Friday, April 26

8-10 am Hospitality Suite

11 am-1:30 pm Board luncheon

Star Canyon Restaurant

2-5 pm

General Interest Session V

Grand Ballroom D, Atrium Lobby Level

Dr. Domeena Renshaw

"Seven weeks to better sex"

Saturday, April 27

"Hats off in Dallas to the AAE Auxiliary" Brunch

Peacock Terrace (by ticket only)

8-10:30 am



Jacquelyn Thompson, Baton Rouge, LA.

Owner of Jacquelyn's Chapeaux, Jacquelyn Thompson will be speaking on the lost art of millinery and producing some custom designs.



Anne Namba, who was our guest speaker two years ago in Hawaii, will be returning with her updated "Kimono Couture."

11 am-12 noon Board Meeting



Alumni, Affiliates & Other Groups

Wednesday, April 24

US Army Assn. of Endo., 4:30-6 pm Emerald

Thursday, April 25

Christian Endo. Society, 5-6 pm Edelweiss
 Int'l. Federation of Endo. Assn., 10 am-12 noon Fleur-de-Lis A & B
 Michigan Assn. of Endo., 6:30-8:30 pm Peacock Terrace
 Northwestern Dental Alumni, 6:30-8 pm Obelisk A & B
 Speer/Streiff Study Group, 5:30-7:30 pm Dardenelles
 Tarheel Endo. Assn., 5-6 pm Travertine
 Tufts Univ. Endo. Alumni, 6:30-8 pm Wyeth
 Univ. of Illinois at Chicago Endo. Alumni, 6-10 pm Cardinal A & B
 Univ. of Maryland Alumni, 6-8:30 pm Rosetta
 Univ. of North Carolina Endo. Alumni Assn, 6-7:30 pm Steuben
 Univ. of Pennsylvania Endo. Alumni, 6-7:30 pm Wedgwood
 Univ. of Pittsburgh, 6-8 pm Lalique
 Univ. of Washington Graduate Endo. Alumni, 6:30-8:30 pm Metropolitan
 West Virginia Univ. Alumni, 4-5 pm Travertine

Friday, April 26

Albert Einstein Endo. Alumni, 6-7:30 pm Obelisk A
 Boston Univ. Alumni Faculty Assn., 7-10:30 pm Peacock Terrace
 Florida Assn. of Endo., 5:30-6:30 pm Edelweiss
 Iowa Endo. Group, 6-8 pm Obelisk B
 MCV/VCU Endo. Alumni Assn., 5-7 pm Rosetta
 Minnesota Alumni Assn., 6-8 pm Cardinal A & B
 New York Univ. Endo. Alumni Assn., 6-8 pm Wyeth
 Oklahoma Assn. of Endo., 7-8:45 am Edelweiss
 Pacific Endo. Research Foundation, 6-10 pm Fleur-de-Lis A & B
 PAE, 8-8:45 am Trinity Hall
 Univ. of Connecticut Endo. Alumni, 6:30-8 pm Steuben
 Univ. of Southern California Endo. Alumni, 5:30-7 pm Lalique
 Univ. of Toronto Alumni & Friends, 7:30-8:45 am Dardenelles

Saturday, April 27

Boston Univ. Alumni Faculty Assn., 7-8:45 am Fleur-de-Lis A & B
 Harry J. Healy Endo. Study Club, 7-8:45 am Lalique
 Michigan Endo. Alumni & Univ. of Detroit/Mercy Alumni, 7-8:45 am Wedgwood
 US Air Force Endo., 7-8:45 am Rosetta
 US Navy Assn. of Endo., 7-8:45 am Obelisk A & B

AMERICAN BOARD OF ENDODONTICS

1996

Robert L. Ellison
 A. Eddy Skidmore, President
 Charles J. Cunningham

1997

Sandra Madison, Secretary
 Samuel O. Dorn, Treasurer
 William T. Johnson

1998

Harold E. Goodis
 Jeffrey W. Hutter
 Marshall D. Peikoff

1996 Tours

Beat the System Discount Shopping

\$35/person; Lunch included
 Wednesday, April 24, 12 noon-5 pm or
 Saturday, April 27, 10 am-3 pm

Fort Worth—Where the West Begins (with Thistle Hill)

\$39/person; Lunch included
 Thursday, April 25, 9 am-4 pm or
 Friday, April 26, 9 am-4 pm

Discover Dallas Tour including Sixth Floor Museum

\$25/person; Lunch not included
 Thursday, April 25, 1-3:30 pm

Dallas Arboretum and Botanical Gardens

\$32/person; Lunch not included
 Thursday, April 25, 1-4 pm

Great Chefs of Dallas

\$54/person; Lunch included
 Thursday, April 25, 10:30 am-2:30 pm or
 Friday, April 26, 10:30 am-2:30 pm

Swiss Avenue—A Chapter in Dallas History

\$35/person; Lunch not included
 Friday, April 26, 9:30 am-1 pm

JFK Historical Tour

\$33/person; Lunch not included
 Friday, April 26, 9 am-1 pm or
 Saturday, April 27, 9 am-1 pm

Mesquite Championship Rodeo

\$58/person; Dinner included
 Friday, April 26, 5:45-11 pm

If you have pre-registered, go to the AAE Tour Desk in the Tower Convention Registration area of the Wyndham Anatole Hotel to pick up your tickets. Tickets may be purchased at the AAE Tour Desk on a space-available basis only, subject to a three dollar surcharge per ticket. Tours will depart from the Clock Tower entrance between the Atrium and Tower of the Anatole.



Exhibitors

Please stop by, place your orders, and say thanks to the exhibitors who help defray annual session costs. Badges must be worn in Trinity Hall. Continental breakfast will be provided on Friday and Saturday (by ticket only). Complimentary coffee service will be provided on Thursday and Friday at 10:30 am and 2:30 pm and on Saturday at 10:30 am.

Exhibit hours are scheduled as follows:

Thursday, April 25 10 am-6 pm
 Friday, April 26 8 am-5 pm
 Saturday, April 27 8 am-1 pm

Booth	Booth	Booth
400 3M Health Care 3M Center Building 275-4E-1 St. Paul, MN 55144-1000	308 Designs for Vision, Inc. 310 760 Koehler Ave. Ronkonkoma, NY 11779	209 Hu-Friedy Mfg. Co., Inc. 211 3232 N. Rockwell St. Chicago, IL 60618
215 Amadent Corp./American Medical & Dental 1236 Brace Rd., Bldg. B Cherry Hill, NJ 08034	618 DiaDent Manufacturing, Inc. #11, 3871 N. Fraser Way Burnaby, BC V5J 5G6 Canada	514 Hygenic Corporation 516 1245 Home Ave. Akron, OH 44310
416 Aseptico, Inc. P.O. Box 3209 Kirkland, WA 98083	405- EIE/Analytic Technology 411 15233 NE 90 th St. Redmond, WA 98052	106 J. Morita USA, Inc. 14712 Bentley Circle Tustin, CA 92680
301 Astra USA, Inc. 50 Otis St. Westborough, MA 01581	404 Ellman International, Inc. 1135 Railroad Ave. Hewlett, NY 11557	201- JEDMED Instrument Company 300 5416 JEDMED Ct. St. Louis, MO 63129
415 Becker-Parkin Dental Supply Co. 417 1 Fulton Ave. Hempstead, NY 11550	109 Endoco, Inc. 111 5180 Park Ave. Memphis, TN 38119	623 Johnson & Johnson Medical, Inc. P.O. Box 90130 2500 Arbrook Blvd. Arlington, TX 76004
101 Block Drug Co. 257 Cornelison Ave. Jersey City, NJ 07302	607 General Scientific Corporation 77 Enterprise Dr. Ann Arbor, MI 48103	218 JS Dental Manufacturing, Inc. 196 N. Salem Rd. Ridgefield, CT 06877
314 Brasseler USA 316 800 King George Blvd. Savannah, GA 31419	319- Global Surgical Corporation 522 3610 Tree Court Industrial Blvd. St. Louis, MO 63122	617 Keeler Instruments, Inc. 456 Parkway Broomall, PA 19008
505- Carl Zeiss, Inc. 610 One Zeiss Dr. Thornwood, NY 10594	104 Guidor Co. 600 Eagle Dr. Bensenville, IL 60106	108 Kerr Corporation 28200 Wick Rd. Romulus, MI 48174
214 Charles B. Schwed Co., Inc. 124-02 Metropolitan Ave. Kew Gardens, NY 11415	221 HealthFirst Corporation 22316 70 th Ave. W., Unit A Mountlake Terrace, WA 98043	102 Kilgore International, Inc. 36 W. Pearl St. P.O. Box 98 Coldwater, MI 49036
620 Classic Practice Resources 7855 Jefferson Highway, Ste. C Baton Rouge, LA 70809	615 Heraeus Kulzer, Inc. 4315 S. Layfayette Blvd. South Bend, IN 46635	219 Light-Tech, Inc. 8900 W. Josephine Rd. Sebring, FL 33872
305 Dentsply/Caulk Endodontics 307 P.O. Box 359 Milford, DE 19963		320 Lightspeed Technology, Inc. 11707 Raindrop Dr. San Antonio, TX 78216
		100 Medidenta International, Inc. 39-23 62 nd St. Woodside, NY 11377
		200 Microcopy 3120 Moon Station Rd. Atlanta, GA 30144
		107 Moeller Microsurgical 9 Industrial Park Waldwick, NJ 07463

- | | | |
|--|--|--|
| <p>Booth</p> <p>504 Moyco Union Broach
506 200 Commerce Dr.
Montgomeryville, PA 18936</p> <p>605 MPL Technologies, Inc.
9400 King St.
Franklin Park, IL 60131</p> <p>302 National Dental Eng. & Mfg.
P.O. Box 3709
Dallas, TX 75208</p> <p>406 Nephron Corporation
321 E. 25th St.
Tacoma, WA 98421</p> <p>517 NT Co., Inc.
519 7003 Shallowford Rd.
Chattanooga, TN 37421</p> <p>508 Obtura Corporation
1727 Larkin Williams Rd.
Fenton, MO 63026</p> <p>206 Orasoptic Research, Inc.
208 5225-3 Verona Rd.
P.O. Box 44451
Madison, WI 53744</p> <p>515 Osada, Inc.
8242 W. Third St, Ste. 150
Los Angeles, CA 90048</p> <p>510 Pacific Coast Tissue Bank
2500-19 S. Flower St.
Los Angeles, CA 90007</p> <p>401 Patterson Dental Company
1031 Mendota Heights Rd.
St. Paul, MN 55120</p> <p>216 Premier/ESPE America
1710 Romano Dr.
P.O. Box 111
Norristown, PA 19404</p> <p>220 ProBusiness Systems, Inc.
9300 Jollyville Rd., Ste. 100
Austin, TX 78759</p> <p>318 Professional Results, Inc.
17 Phaedra
Laguna Niguel, CA 92677</p> <p>402 Quality Aspirators
P.O. Box 382120
Duncanville, TX 75138</p> | <p>Booth</p> <p>115 Quintessence Publishing Co., Inc.
551 N. Kimberly Dr.
Carol Stream, IL 60188</p> <p>304 R. Chige, Inc.
306 4531 N. Dixie Highway
Boca Raton, FL 33431</p> <p>621 Realtime Systems
84 Terra Bella Dr.
Walnut Creek, CA 94596</p> <p>611 Ribbon, Inc.
1326 5th Ave., Ste. 640
Seattle, WA 98101</p> <p>622 Roydent Dental Products
1010 W. Hamlin Rd.
Rochester Hills, MI 48309</p> <p>614 Schick Technologies, Inc.
616 31-00 47th Ave.
Long Island City, NY 11101</p> <p>222 Seiler Instrument Co.
170 E. Kirkham Ave.
St. Louis, MO 63119</p> <p>619 Septodont, Inc.
245 Ste. C Quigley Blvd.
Newcastle, DE 19720</p> <p>217 SS White Burs, Inc.
1145 Towbin Ave.
Lakewood, NJ 08701</p> <p>Treloar & Heisel, Inc.
3132 Wilmington Rd.
New Castle, PA 16105
(Registration Area)</p> <p>116 Trophy Radiology, Inc.
118 2221 Newmarket Pkwy., Ste. 136
Marietta, GA 30067</p> <p>105 Tulsa Dental Products
204 5001 E. 68th St., Ste. 500
Tulsa, OK 74136</p> <p>521 W. L. Gore & Associates, Inc.
523 1500 N. 4th St.
Flagstaff, AZ 86004</p> <p>609 Western Dental Specialties
3680 Charter Park Dr., Ste. B
San Jose, CA 95136</p> | <p>Booth</p> <p>317 Whitehall-Robins Healthcare
5 Giralda Farms
Madison, NJ 07940</p> <p>210 Williams & Wilkins
351 W. Camden St.
Baltimore, MD 21201</p> <p>OTHER EXHIBITS:</p> <p>AAE Information Center</p> <ul style="list-style-type: none"> ★ AAE Products ★ Colleagues for Excellence ★ 1997 Annual Session ★ Tote bags and coffee mugs <p>★ American Board of Endodontics
★ AAE Foundation</p> <p>AAE Career Opportunities Exchange
(Registration Area)</p> <p>Teach'em Inc.
160 E. Illinois St.
Chicago, IL 60611
(Registration Area)</p> <p>ALSO IN TRINITY HALL:</p> <p>Don't forget to stop by the Poster Research Presentations and Table Clinics while you're in Trinity Hall for the exhibits. The Poster Research Presentations and Table Clinics are scheduled to be presented as follows:</p> <p>Poster Research Presentations 1-20
Endodontist Section
Friday, 9 am-12 noon</p> <p>Poster Research Presentations 21-38
Graduate Student Section
Saturday, 8:30-11:30 am</p> <p>Table Clinics 1-24
Saturday, 8:30-11:30 am</p> <p>ADDITIONAL EXHIBITOR:</p> <p>613 Hartzell & Son, G.
2372 Sanwell Circle
P. O. Box 5988
Concord, CA 94520</p> |
|--|--|--|



Award Recipients

EDGAR D. COOLIDGE AWARD

* Edgar D. Coolidge	'69
* Harry B. Johnston	'70
* Henry A. Bartels	'71
* Bertram L. Wolfsohn	'74
* Vincent B. Milas	'75
Worth B. Gregory	'78
Jacob B. Freedland	'80
Alfred L. Frank	'81
George G. Stewart	'82
* F. Darl Ostrander	'83
Maynard K. Hine	'83
* George C. Hare	'84
* Irving J. Naidorf	'85
Harry Blechman	'86
I.B. Bender	'87
Dudley H. Glick	'88
* Samuel S Patterson	'89
Robert A. Uchin	'90
Michael A. Heuer	'91
Edward M. Osetek	'92
Harold Gerstein	'93
Henry J. Van Hassel	'93
Donald E. Arens	'94
Harold A. Maxmen	'94
Herbert Schilder	'95
Stuart B. Fountain	'96

LOUIS I. GROSSMAN AWARD

* Louis I. Grossman	'73
* Birger Nygaard-Ostby	'76
I.B. Bender	'78
Samuel Seltzer	'80
Harold R. Stanley	'81
Kaare Langeland	'82
Henry J. Van Hassel	'84
Melvin Goldman	'89
Syngcuk Kim	'90
Calvin D. Torneck	'91
Henry O. Trowbridge	'92
Mahmoud Torabinejad	'93
Herbert Schilder	'96

RALPH F. SOMMER AWARD

Calvin D. Torneck	'84
Alfred L. Frank	'85
Mahmoud Torabinejad	'86
John I. Ingle	'87
Leif Tronstad	'90
Jens O. Andreasen	'91
I.B. Bender	'93
Samuel Seltzer	'93
Goran Sundqvist	'94
Gunnar Bergenholtz	'96

ENDODONTIC EDUCATOR AWARD

* Gordon D. Mattison	'95
Eric M. Rivera	'96

HONORARY MEMBERS

* Edgar D. Coolidge	'48
* W. Clyde Davis	'48
* Bernhard Gottlieb	'48
* Edward S. Hatton	'49
* Walter Hess	'49
* Hermann Prinz	'49
* Francisco Pucci	'49
* Sir E. Wilfred Fish	'56
* Birger Nygaard-Ostby	'58
Mary Crowley	'66
* Ralph F. Sommer	'67
Harold R. Stanley	'68
Maynard K. Hine	'69
* Maury Massler	'71
* Louis I. Grossman	'73
* Oscar A. Maisto	'79
Henry O. Trowbridge	'86
David H. Pashley	'92
Irma S. Kudo	'94
Frank N. Lentine	'94
Michel Maillefer	'94



Past Presidents

* W. Clyde Davis	'43-44
* Ralph F. Sommer	'44-45
* Robert G. Kesel	'45-46
* E.G. Van Valey	'46-47
Maynard K. Hine	'47-48
* Louis I. Grossman	'48-49
* Elmer A. Jasper	'49-50
* Raymond L. Girardot	'50-51
* George G. Sharp	'51-52
* F. Darl Ostrander	'52-53
Laurence A. Lucas	'53-54
* N. Weir Burkman	'54-55
* Harry J. Healey	'55-56
* John R. Pear	'56-57
* George C. Hare	'57-58
George G. Stewart	'58-59
* J. Henry Kaiser	'59-60
* Paul P. Sherwood	'60-61

* Glenn R. Brooks	'61-62
* Vincent B. Milas	'62-63
James H. Sherard Jr.	'63-64
Jacob B. Freedland	'64-65
* Henry S. Schmidt	'65-66
John I. Ingle	'66-67
Edwin C. Van Valey	'67-68
* Samuel S Patterson	'68-69
* Warren J. Hedman	'69-70
John F. Bucher	'70-71
Dudley H. Glick	'71-72
I.B. Bender	'72-73
Charles A. Scott Jr.	'73-74
Alfred L. Frank	'74-75
Robert A. Uchin	'75-76
Frank B. Trice	'76-77
George A. Zurkow	'77-78

Harry Blechman	'78-79
Paul E. Zeigler	'79-80
Edward M. Osetek	'80-81
Henry J. Van Hassel	'81-82
Noah Chivian	'82-83
Donald E. Arens	'83-84
Stephen F. Schwartz	'84-85
Herbert Schilder	'85-86
Michael A. Heuer	'86-87
Charles J. Cunningham	'87-88
Joseph D. Maggio	'88-89
Gerald C. Dietz Sr.	'89-90
James C. McGraw	'90-91
Joseph I. Tenca	'91-92
Stuart B. Fountain	'92-93
Eric J. Hovland	'93-94
Richard C. Burns	'94-95

*Deceased



Participants

A	Abedi, Hamid R.	11
	Al-Ghamdi, Abdulrahman S.	11
	Alhadainy, Hatem A.	12
	Altman, Amy	17
	Alvaro, Emanuel	16
	Alves, Joseli A.	15
	Anderson, Donald G.	14
	Anderson, Ronald W.	2, 4
	Andreana, Sebastiano	19
	Araki, Kouji	11
	Arnold, Jimmy W.	18
	Ashkenaz, Paul J.	12
	Aurbach, Justin E.	2
	Austin, B. Peter	11
	Avant, Sondra L.	14
	Averbach, Robert E.	11
	Azar, Sarina A.	16
	Azevedo, Cledson Lima de	7
B	Babick, Peter J.	6
	Bachicha, William S.	16
	Bae, Kwang S.	5
	Baker, Mark C.	5
	Bakland, Leif K.	6
	Barbakow, Fred	7
	Barrientos, Pabla	15
	Barrieshi, Kefah M.	8
	Barss, Joseph T.	7
	Bastulli, Anthony P.	16
	Bates, Christopher F.	18
	Battrum, Deborah E.	7
	Baumgartner, J. Craig	14
	Bebeau, Muriel J.	18
	Beeson, Thomas J.	15
	Behrend, Gary D.	14
	Beling, Kristen L.	18
	Benenati, Fred W.	7
	Bentkover, Scott K.	12
	Bergenholtz, Gunnar	12
	Bishop, Michael R.	16
	Bistan, Matthew R.	11
	Blumenkranz, Uziel	15
	Bogaerts, Patrick	15
	Bond, John L.	2
	Buerschen, Gregory H.	11
	Burger, Carrie L.	16
	Burns, Richard C.	4
	Buruiana, Radu	8
	Bustos, Leonardo	11
C	Caicedo, Ricardo	11
	Canby, Frederick L.	16
	Carr, Craig R.	16
	Carr, Gary B.	4
	Cartier, Denise	17
	Cheung, Gary S.P.	7
	Chivian, Noah	17
	Chohayeb, Aida A.	7
	Chugal, Nadia	16
	Cochet, Jean-Yves G.	15
	Cohen, Philip W.	1,5,17
	Coury, Kirk A.	2
	Covani, Ugo	19
	Creagh, Deborah K.	16
	Cummings, G. Reed	10
	Cunningham, Charles J.	9,13
D	D'Amato, Mario	14
	D'Souza, Rena	19
	Dahl, Eva C.	9
	Dalton, B. Clark	16
	Davis, Matthew S.	16
	de Guzman, Joseph D.	16
	de Leonardis, Dario	19
	Devey, Jason P.	16
	Dietz, Gerald C. Sr.	17
	Dorn, Samuel O.	5,13
	Dougherty, William J. Jr.	8
	Douthitt, James C.	16
	Dow, James R.	16
	Doyle, Diane L.	16
	Drancik, Scott A.	16
	Duarte, Lida	11
	Dumsha, Thom C.	18
E	Ehrich, Daniel G.	6
	Ellison, Robert L.	8,13
	Erickson, Ty	10
	Etemad-Moghadam, Ali	10
	Euler, George J.	16
F	Fagundes, David K.	16
	Feinstein, Richard B.	12
	Ferreira, Maria O.F.	11
	Fine, Howard B.	7
	Fouad, Ashraf F.	14
	Fountain, Stuart B.	5,19
	Fowler, Janet	17
	Frick, Kenneth J.	16
	Friedman, Shimon	14
G	Garrett, Thomas H.	2
	Gatti, John J.	10
	Gettleman, Bradley H.	9
	Glickman, Gerald N.	2,10
	Goerig, Albert C.	12
	Goessman, John B.	16
	Goodis, George T.	9
	Goodis, Harold E.	7,13
	Goodreau, Wanda F.	16
	Granados, Maria A.	11
	Gremillion, Henry A.	5,19
	Gutmann, James L.	6,7,13
	Gutmann, Marylou	2
H	Hall, Michael C.	18
	Hamilton, Robert S.	17
	Hargreaves, Kenneth M.	7
	Harrison, John W.	12
	Hasegawa, Thomas K. Jr.	6
	Hawrish, Carl E.	8
	Helo, Juan F.	11
	Henry, Mark A.	6
	Herbranson, Eric J.	6
	Hilton, Myron S.	16
	Hoen, Michael M.	11
	Hornberger, Brian E.	8
	Hovland, Eric J.	9
	Hsieh, Sung-Chih	16
	Hupp, James G.	16
	Hutter, Jeffrey W.	13,17
I	Ida, Rodney D.	14
	Imura, Noboru	7
	Iwanowski, Tom J.	14
	Iwao, Kyosuke	11
J	Janse, Scott A.	16
	Jensen, Scott A.	16
	Johnson, Bradford R.	14
	Johnson, Wm. Ben	10
	Johnson, William T.	13
	Jones, Deborah	17
	Jones, Paul A.	12
	Jurosky, Kathryn A.	9
	Justus, Yolanda V.	15
K	Kamal, Abu M.M.	14
	Katebzadeh, Nooshin	16
	Katz, Harmon R.	18
	Keiser, Karl	10
	Khademi, John A.	5
	Kherlakian, Daniel	11
	Kim, Mi Ri	11
	Kim, Syngcuk	4
	Kimbrough, Wm. Frank	14
	King, Kevin T.	2,12
	Klein, Jennifer M.	6
	Kobayashi, Chihiro	16
	Kosakoski, Edward D.	16
L	Laghios, Constantinos D.	16
	Levin, Martin D.	5,17
	Levine, Harris B.	11
	LeVine, Lawrence M.	7
	Linares, Luis A.	11
	Lopez, Jairo	11
	Luebke, Neill H.	11
M	Madison, Sandra	13
	Maggio, Joseph D.	7
	Maguire, Hugh	7
	Maillet, Wayne A.	14
	Manjarres, Vivian L.	16
	McGinty, Diane T.	8
	McGraw, James C.	14
	McKendry, Douglas J.	5
	McSpadden, John T.	10
	Mehlman, Edwin S.	9
	Mendez, Nidia R.	11
	Mesa, Alejandro	11
	Mesaros, Samuel V.	14
	Miller, Donald A.	2
	Mistak, Edward J.	18
	Mohorn, Hal W.	5
	Monfared, Maryam M.	16
	Monroe-Cook, Elizabeth	4
	Morse, Donald R.	15
	Mortman, Rory E.	16
	Mowrey, Blaine E.	16
	Mullin, Kevin T.	16
	Murgel, Carlos A.F.	7
	Murphy, Peter M.	16
	Myers, Kurt W.	10
N	Namba, Anne	20
	Nasseh, Ali	16
	Newton, Carl W.	6
	Nguyen, Hung Quoc	8
	Nixon, Elizabeth C.	11
	Nusstein, John M.	10
O	O'Connor, David F.	16
	O'Dell, Josanne	18
	Ollerhead, Thomas R.	6
	Olmsted, John S.	9,17
	Olson, Brian D.	10
P	Pang, Mary	16
	Pastor, James E.	17
	Patton, William R.	14
	Pecora, Gabriele	9
	Peikoff, Marshall D.	13
	Perrini, Nicola	9
	Peters, Scott B.	16
	Pettiette, Mary T.	6,11
	Pileggi, Roberta	7
	Pisano, Donna M.	16
	Powell, William D.	7
	Propper, Terryl A.	9
R	Rakusin, Hedley	2
	Randall, James M.	16
	Rankow, Henry J.	17
	Reader, Alfred W.	7
	Reames, Robert L.	2
	Reeh, Ernest S.	5
	Regan, John D.	16
	Reitz, Jonathan W.	18
	Renshaw, Domeena	13
	Richie-Gillespie, Ray C.	18
	Rivera, Eric M.	8,12,14
	Rodriguez, Rodrigo	11
	Roig-Greene, Jose L.	7
	Rolon, Jessica A.	11
	Rotstein, Ilan	8
	Rubin, Mark S.	18
	Rubinstein, Richard A.	5,9
	Ruddle, Clifford J.	17
	Russell, Thomas R.	11
S	Sa, Junio Pereira de	11
	Saunders, William P.	13
	Schilder, Herbert	12
	Seidberg, Bruce H.	8
	Selbst, Alan G.	8
	Senia, E. Steve	10
	Shields, Daniela K.	6
	Shinkwin, Gregory E.	16
	Shoha, Steven D.	7
	Short, Jeffrey A.	7
	Silvaggio, Joseph A. III	17
	Silversin, Jack	9,14
	Simon, Denis E. III	9,13
	Skidmore, A. Eddy	6,13
	Smith, Aric C.	16
	Smith, Bruce C.	17
	Snyder, W. Randy	5
	Sottosanti, John S.	9
	Spangler, Thomas	18
	Speier, Michelle B.	8
	Steiman, H. Robert	2,19
	Steinbrunner, Ron L.	18
	Stich, James E.	8
	Stokes, Orsure W.	17
	Stutsman, Steven G.	12
	Suda, Hideaki	11
	Sulfaro, Michael A.	16
	Svec, Timothy A.	7
T	Tamse, Aviad	19
	Thompson, Jacquelyn	20
	Tinnin, James M.	11
	Tittle, Kenneth W.	10
	Torabinejad, Mahmoud	10
	Trope, Martin	14
	Tsutsui, Fred S.	9
U	Uchin, Robert A.	15
	Unsell, Mickey L.	17
V	Velvart, Peter	15
	Verdelis, Konstantinos	14,18
W	Wahl, Patrick T.	8
	Walton, Richard E.	11,13
	Weichman, Jack A.	6
	Weine, Franklin S.	13
	Weller, R. Norman	7
	Wenckus, Christopher S.	17
	West, John D.	9,13,19
	White, Patrick W.	16
	White, Robert R.	14
	Witek, Thomas J.	16
	Witherspoon, David E.	17
	Wolcott, James F.	7
	Woodson, Jeffrey S.	2
Y	Yoshioka, Takatomo	11,16
Z	Zenk, Darrell W.	7
	Zuolo, Mario L.	6,11
	Zurkow, George A.	15



Topical Index

A

Affiliate Leadership Conference	5
American Board of Endodontics	
Diplomate meeting	15
Certification process	13
Luncheon	6
Officers	21
AAE Board of Directors	2
AAE Career Opportunities Exchange	23
AAE Foundation	20
AAE Headquarters Office	3
AAE Information Center	23
Ancillary personnel	
Assisting	17
Customer satisfaction	14
Front desk	17
Annual Session Committee	2
Assistance for the Disabled	3
Attire	3
Audiotapes (Teach'em)	3
Auxiliary program	20
Award Recipients	24
Awards	
Coolidge	19
Endodontic Educator	12
Graduate Student	19
Grossman	12
Sommer	12

B

Badges	3
Breakfasts	
Wednesday CEC Continental	4
Thursday Opening Session	5
Friday Continental	9
Saturday Continental	15
Sunday Farewell	19

C

Continuing Education Certificates	3
Continuing Education Course, Wednesday	
Endodontic Microscopy	4
Clinical	
Bleaching biology, LAS 7	8
Electronic apex locator, LAS 9	8
Endosseous implants, LAS 24	15
Furcation perforation repair, LAS 20 ..	12
Intentional replantation, LAS 27	15
Orthodontics, LAS 26	15
Paresthesia, LAS 25	15
Pulp biology research, LAS 32	19
Computers, SS I	5
Customer service	
Building relationships workshop	4
Generating referrals, LAS 6	8
Strategies, GI I	5

D

Dinner Dance	19
Diplomate (ABE), "How to's"	13
Diplomate meeting	15
Disabled assistance	3
District Caucuses	5

E

Education	
AADS Endo Section meeting	12
Educators' Forum: Faculty recruitment/	
retention	9
Faculty Development Post Meeting	19
Ethics, ABE luncheon	6
Exhibitors	22-23

F

Faculty Development Post Meeting	19
Farewell Breakfast	19
Fractures, vertical	
Classification scheme, LAS 8	8
Clinical procedures, LAS 31	19
Immediate implantation, LAS 30	19

G

General Assembly	19
General Information	3
Guided tissue regeneration	
Literature review, techniques, LAS 21	15
Microscope use, SS V	9
Resorbable/nonresorbable, SS VII	12

I

Imaging	
Digital, SS I	5
Practical applications, LAS 13	11
Instrumentation	
Nickel titanium panel, SS VI	10
Nickel titanium, use/abuse, LAS 14	11
Insurance	
Third party Q&A, GI II	7
Treloar & Heisel, Inc.	23

L

Legal	
Office risks, LAS 3	6
Risk prevention skills, GI III	8
Luncheons	
Wednesday CEC	4
Thursday, ABE Grossman Memorial	6
Friday Award	12
Saturday Coolidge	19

M

Managed Care	
Ethics, legal, legislation, GI VI	18
Maps	28
Meetings	
Affiliates	21
Alumni	21
Auxiliary	20
Boards of Directors	20
Committees	20
Foundation	20
Microscopy	
CEC, Wednesday	4
Documentation, LAS 1	6
GTR, use in, SS V	9
Need for/use of, LAS 29	19
Nonsurgical, LAS 11	9
Operating scope, SS V	9
Problem solving/documentation, LAS 18 ...	12
Retreatment, SS X	17

O

Obturation	
Techniques/devices panel, SS VIII	13
Opening session breakfast	5
Oral Research Presentations	
Anesthesia	
Intraosseous injection	10,18
Antibiotics	
Pain (Penicillin as a use for)	6
Biochemistry	
Calcium regulation	14
Root dentin composition	14
Calcium Hydroxide	14
Interaction with ZOE sealers	18
Computer imaging	
Post space preparation	18
Dentin response to cavity preparation ...	14
Digital imaging	14
Digital radiography	18
Electronic apex locators	
File size effect	8
Irrigation effect	8
Healing	6
Bone loss after flap	10
Denervation effect	10
Replantation	14
Immunology	
Chemokine production	11
Cytokines	14
Neutrophil response	10
Pulp immune response	14
Instrumentation	7
Apical Extrusion	7
Canal finder	7
Comparison in curved canals	7
Comparison study	8
Effect on canal transportation	7
Lightspeed	7
Pre-flaring	8
Transportation	7

Instruments	
Corrosion	7
Stainless steel vs. nickel titanium	7
Intracanal Medicaments	
Aloe vera	7
Lasers	
Pulpal effects	14
Tissue compatibility	14
Leakage	
Effect of smear layer removal	14
Retrofills	8
Microbiology	
Black pigmented bacteria	8
Calcium hydroxide antimicrobial	
-effects	14
DNA probe identification	10
Identification of types	14
Incidence of penicillin resistant	
bacteria	11
Microbial canal penetration	8
Microbial leakage model	14
Microdialysis pulpal probe	7
Microscopy	
Surgery	5
Surgical decisions	18
Mineral Trioxide Aggregate	
Apical closure with	10
Direct pulp capping agent	11
Effects on dog pulp	10
Sealing ability	18
Tissue response	5
Obturation	7
Comparison study for lateral canals ...	7
Evaluation of instruments	8
Materials cytotoxicity comparison	14
Quick fill	7
Sealer placement comparison	18
Thermoplastic	7
PDL collagen synthesis	
Influence of filling material	14
Pain	
Evaluation of	6
Occlusal reduction for prevention of	6
Perforation repair	5
Internal matrix use	5
Periapical surgery	
Microscopic	5
Retrofilling technique	5
Pharmacology	
Carbamide peroxide	14
Doxycycline	10
EDTA on dentin	14
Morphine	10
Outpatient premedication	6
Post space preparation	14,18
Resotratations	
Effect on success	6
Retreatment	7
Root canal sealers	
Ca(OH) ₂ - ZOE interaction	18

Root end filling material	
Calcium phosphate cement	18
Root fractures	
In vitro root strength	14
Storage Media	
PDL cell viability	10
SuperEBA	
Dissolution	18
In retrofills	5
Tissue healing	5
Ultrasonic root-end preparation	18
Vitality testing	
Laser doppler	14
Orofacial pain	
Case reports/discussion, LAS 23	15
Diagnosis and management, SS II	5
Manage acute pain, SS IV	7
Triaging, Faculty Post Meeting	19

P

Participants	25
Past Presidents	24
Past Presidents' Breakfast	20
Past Presidents' Reception	19
Patients, communicating with	
Building relationships workshop	4
Patient management	
Compromised patients, LAS 5	8
Diagnosis/treatment planning, LAS 19	12
Perforations	
Calcium sulfate use, LAS 12	9
Repairs, LAS 20	12
Poster Research Presentations	
PR 1-20	
Endodontist section	11
PR 21-38	
Graduate Student Section	15-16
Posts, Salvaging problems, SS IX	17
Practice management	
Customer service strategies, GI 1	5
Fun, profitability, LAS 17	12
Office risks, LAS 3	6
Positive relationships, GI IV	9
Referral generation, LAS 6	8
Risk prevention skills, GI III	8
Third party insurance Q&A, GI II	7
Practitioners' Platform	
Case review, Q & A	7
President's Dinner Dance	19
Vouchers	3
President's Welcome	1

R

Referrals	
How to generate, LAS 6	8
Positive relationships, GI IV	9
Registration	3
Registration hours	3
Restoration	
Endodontically treated teeth, LAS 2	6
Retreatment	
Calcified/curved canals, LAS 22	15
Nonsurgical, LAS 15	11
Obstruction removal, LAS 10	9
Post salvaging, SS IX	17

S

Sex	
"Seven weeks to better sex," GI V	13
Smoking Policy	3
Speaker AV Ready Room	3
Staff, see Ancillary personal	
Surgery	
Bioresorbable matrix barriers, LAS 4 ...	6
Bone substitute/membranes, LAS 28 ..	15

T

Table Clinic Presentations	
TC 1-24	16-17
Tape recording	3
Teach'em	3,23
Tote Bags	3
Tours	21
Trauma	
Avulsed tooth management, LAS 16 ..	11
Injury management, SS III	6

V

Videotapes (Teach'em)	3
-----------------------------	---

W

Welcome Reception	5
-------------------------	---

Key

CEC = Continuing Education Course
 GI = General Interest Session
 LAS = Limited Attendance Session
 SS = Scientific Session

