

FOCUS ON EXCELLENCE



**American Association of Endodontists
46th Annual Session, May 3-7, 1989
New Orleans, Louisiana**



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American Association of Endodontists
46th Annual Session, May 3-7, 1989
New Orleans, Louisiana



PRESIDENT'S MESSAGE

It is indeed my pleasure to welcome you to the 46th Annual Session of the American Association of Endodontists. New Orleans holds a unique place among American cities. There is no other place quite like it. Maybe it is the intriguing architecture of the French Quarter or the old south appeal of the Garden District, or the gaiety of Bourbon Street and the joys of jazz. But whatever it is, the tradition of hospitality is the hallmark of New Orleans.

I wish to extend a special welcome to our international members and guests who have come to participate and share in our Annual Session.

Please use this occasion to rekindle old friendships, develop new ones, and take every opportunity to broaden and update your knowledge and add to your skills, while also leaving enough time to enjoy the outstanding social and entertainment aspects provided for you.

Program Chairman Dick Burns and his committee designed our program to *Focus on the Excellence* of the clinician, the researcher and the educator. They all worked to bring you a meaningful, educational experience through the scientific sessions, limited attendance seminars, research seminars and the table and poster clinics.

Chip and Aimee Simon and the Local Arrangements Committee have done an outstanding job attending to your entertainment needs. Their energy and talents have produced a "let the good times roll" theme to the non-scientific aspects of our meeting.

General Chairman Paul Eleazer's leadership and tireless efforts have produced what promises to be a memorable event. Please take advantage of all that has been provided for you.

They all deserve a special thank you for attending to the myriad of details that enable us to thoroughly enjoy our Annual Meeting.

To Irma Kudo, the best Executive Director any Association can have, and her devoted staff of Laura Cancilla, Letty Catrambone, Christine DeFazio, Karen Schultz, Monica Taylor and Mercedes Johnson—the biggest thank you possible. Your professional approach and concern for our enjoyment is necessary for the success of this great meeting—the best ever.

I wish you all a most enjoyable and fulfilling Annual Session as we continue together to "Focus on Excellence."

Joseph D. Maggio, DDS
President



AMERICAN ASSOCIATION OF ENDODONTISTS

BOARD OF DIRECTORS



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1989



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1991



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District VI



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District III



Alan G. Selbst
District V



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Edwin S. Mehlman
District I



Manuel I. Weisman
District III



Darrell W. Zenk
District V



Bill R. Scharwatt
District VI



WELCOME

THE BIG EASY describes a city dedicated to the easy enjoyable life. Members of the American Association of Endodontists and associates are in for a wonderful time—sensational food, fantastic music and a party with good friends from around the world.

Hedonism aside, there is nothing big nor easy about the root canal system. Our success depends upon conquering the smallest imaginable spaces with the far-from-easy challenge of succeeding every time.

Whisperings overheard in the corridors of past annual sessions have suggested the need for more scientifically oriented meetings. In response, the Program Committee has chosen not only clinically scientific subjects, but an increased number of research presentations. We know that research is the framework and the fiber through which our clinical success is woven. Mahmoud Torabinejad has stimulated more submissions of papers than ever before for the Research Seminars, and the AAE Board of Directors has approved greater rewards for the best graduate student papers.

The popularity of the LAS (Limited Attendance Seminars) has led us to change the format in order to accommodate the membership who wish to attend these stimulating lectures. Seating is now available on a first-come first-served basis with no prior registration required. But seating has been purposely limited to provide a more casual setting conducive to better interactive discussions. Pete Paesani has invited some of our profession's finest.

The ever-popular Table and Poster Clinics, under the direction of Sandra Madison, will again be presented on Saturday morning.

Something new this year is the Friday "Luncheon with Learning," where you will be able to share your practice experiences and at the same time learn from your colleagues.

And, whether or not you brought your interesting case for discussion, don't miss the Sunday Case Presentation Breakfast. A wonderful buffet breakfast awaits you as you bid farewell.

The theme, Focus on Excellence, is perfect for this meeting. Your experience in New Orleans will be stimulated by research, enhanced by clinical learning and titillated by the excitement of THE BIG EASY.

Richard C. Burns, DDS
Program Chairman



ANNUAL SESSION COMMITTEE



Paul D. Eleazer
General Chairman



Richard C. Burns
Program Chairman



Denis E. Simon, III
Local Committee Chairman

Program

Continuing Education	Carl W. Newton
Limited Attendance Seminars	Peter A. Paesani
Research Seminars	Mahmoud Torabinejad
Sunday Program	Gary R. Hartwell
Table/Poster Clinics	Sandra Madison
Technical Exhibits	Letty Catrambone

General Arrangements

Audio-Visual	William Masheter
Banquets & Meals	John P. Braud, Jr.
Hospitality	Lisa P. Germain
Hosts	Ina Laurie Griffin
Monitors	Billie G. Jeansonne
Dinner Dance Registration	William H. Wayman
Signs	Gary M. Shetler
Fun Run	Ronald R. Lemon
Electronic Devices Workshop	Van T. Himel
Luncheon with Learning	Edward M. Osetek
Surgery Workshop	Ronald R. Lemon
AAE Auxiliary Chairperson	Aimee Simon

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



GENERAL INFORMATION

The Hyatt Regency Hotel will be the headquarters hotel for the 46th Annual Session.

AAE Headquarters — Versailles Room

AAE headquarters office will be staffed by members of the Central Office—Laura Cancilla, Letty Catrambone, Chris DeFazio, and Karen Schultz—and by members of the Annual Session Committee. Office hours are 8 am-5 pm Tuesday through Sunday.

Registration — Regency Ballroom Foyer

Wednesday, May 3: 11 am-8 pm

Thursday, May 4: 8 am-5 pm

Friday, May 5: 8 am-11 am

Registration fees include the following:

AAE members (excluding student members)—all sessions, Welcome/Fellowship Reception, one full breakfast (Thursday), two continental breakfasts, one breakfast brunch (Sunday), two lunches (Friday & Saturday), and one ticket to the Dinner Dance (Saturday).

AAE student members—all sessions, Welcome/Fellowship Reception.

Non-member professionals, student & dental auxiliaries—all sessions.

Spouses—Welcome/Fellowship Reception and use of the Auxiliary hospitality suite.

Exhibits — French Market Hall

Because exhibitors help to defray some of the cost of the Annual Session, we encourage you to stop by the exhibits and place your order.

Complimentary coffee service will be provided on Thursday and Friday in the exhibit area, 10:30 am and 2:30 pm.

Exhibit hours are:

Thursday, May 4: 10 am-6 pm

Friday, May 5: 8 am-5 pm

Saturday, May 6: 8 am-12 n

Cassette Tape Recordings

American Audio Association will record many of the sessions presented. The cassette tapes are available for purchase at the American Audio booth located in the registration area.

Continuing Education Credit

Academy of General Dentistry—all course forms may be validated at the AAE headquarters office.

California Board of Dental Examiners—forms to be picked up at the AAE headquarters office or AAE information booth.

Florida Certificates—forms to be picked up at the AAE headquarters office or the AAE information booth.

Limited Attendance Seminars

Limited seating. First-come, first-served basis. No pre-registration required. Fire regulations do not allow for any standing room.

Speaker AV Ready Room — Press Room

Program participants are urged to review their audio-visual material in the speaker ready room prior to their presentation to avoid possible problems that may occur.

Saturday Dinner Dance

Your table selection for the Saturday Dinner Dance must be made as soon as possible before 5 pm on Thursday by exchanging your voucher for a banquet ticket at the AAE registration desk. If you wish to have a group seating, you must present a voucher for each person in your group in order to reserve the space—all vouchers must be presented at the same time. **No exceptions** will be made.



PROGRAM

WEDNESDAY, MAY 3

CONTINUING EDUCATION COURSE

(Pre-registration required)
Regency Ballroom D

Clinical considerations in the management of the medically compromised patient

Moderators: CARL W. NEWTON, DDS, MSD, Indianapolis, IN
GERALD N. GLICKMAN, DDS, MS, MBA, Dallas, TX

8:30 am Welcome

8:45 am Never treat a stranger
GEZA T. TEREZHALMY, DDS, MA, Cleveland, OH

Diseases of the oral cavity and related structures, either local or systemic, may have profound physical and emotional effects on a patient. Consequently, today's dentists must treat more medically and pharmacologically compromised patients than ever before. This presentation will address the principles essential to access the physical and emotional status of dental patients to identify high risk patients.

11:15 am Implications of substance abuse to the dental practitioner
HAROLD CROSSLEY, DDS, PhD, Baltimore, MD

This presentation will cover commonly abused street drugs, risks that abusers are exposed to when using these drugs and any alterations of the dental treatment plan the dental practitioner must make when treating the substance abuser.

12:00 n Lunch

2:15 pm Medical emergencies in the dental office
STANLEY MALAMED, DDS, Los Angeles, CA

This presentation will address the preparation for medical emergencies—basic drug kit, equipment, and staff training, and the recognition and management of the many emergency situations which can, and do, arise in the practice of dentistry.

4:30 pm Discussion

ADVANCED ENDODONTIC SURGERY

(Pre-registration required)
AAE ACTIVE MEMBERS ONLY

8:00 am- Louisiana State University — Buses will depart
5:00 pm from the main entrance of the Hyatt

To familiarize participants in clinical surgery of difficult anatomical areas.

Faculty members: DONALD E. ARENS, DDS, MSD, Chairman
RONALD R. LEMON, DMD, Coordinator

DOUGLAS C. BOYD, DMD; NOAH CHIVIAN, DDS; ALFRED L. FRANK, DDS; ALBERT C. GOERIG, DDS, MS; JOHN W. HARRISON, DMD, MS; RONALD M. MEFFERT, DDS; JAMES H. QUINN, DDS; STEVEN H. SANDERS, DDS; STEPHEN F. SCHWARTZ, DDS, MS

ELECTRONIC GUMBO WORKSHOP

(Pre-registration required)
AAE MEMBERS ONLY

9:00 am- Louisiana State University — Buses will depart
5:00 pm from the main entrance of the Hyatt

To familiarize participants with the use of various devices to assist in root canal preparation and obturation.

Faculty members: JOE H. CAMP, DDS, MSD, Chairman
VAN T. HIMEL, DDS, Coordinator

WALTER T. CUNNINGHAM, DDS; LISA P. GERMAIN, DDS; MICHAEL M. HOEN, DDS; JEAN-MARIE LAURICHESSE, DDS; HOWARD MARTIN, DMD; NEVILLE J. McDONALD, BDS, MS; ROBERT J. MICHELICH, DDS; JOHN S. OLMSTED, DDS; IRVIN A. ROSEMAN, DDS; STEPHEN C. WHEELER, DDS

Participating companies: Amadent: Neosono Neosonic; Analytical Tech: Endo Analyzer Touch 'N Heat; Dentsply Int'l: Cavi-Endo; Ellman Int'l: Exact-A-Pex; Hygenic Corp.: Endocater Ultrafil; L.D. Caulk: Endo-Tech; Medidenta Int'l: MM-3000 Sonic Air; Osada Electric: ENAC.

11:00 am- **REGISTRATION**
8:00 pm Regency Ballroom Foyer

7:00 pm- **WELCOME/FELLOWSHIP RECEPTION**
9:00 pm (By ticket only)
Regency Ballroom A-H

THURSDAY MORNING, MAY 4

8:00 am- **OPENING SESSION BREAKFAST**
10:00 am (By ticket only)
Regency Ballroom D-E
Keynote: JOSEPH D. MAGGIO, DDS
AAE President

8:00 am- **REGISTRATION**
5:00 pm Regency Ballroom Foyer

10:00 am- **EXHIBITS**
6:00 pm French Market Hall

SCIENTIFIC SESSION I
10:30 am- Regency Ballroom A-C
12:30 pm Moderator: RICHARD C. BURNS, DDS,
San Mateo, CA

Genesis and genetic engineering
EDWARD RUBENSTEIN, MD, Stanford, CA
How does nature encompass and mold a hundred billion galaxies, a billion stars, the earth teeming with exuberant life? New insights into how nature operates come from parallel advances in particle physics and molecular biology. These reveal a previously hidden unifying logic employed by nature—its plan for construction from sub-atomic particles to human beings.

LIMITED ATTENDANCE SEMINARS
10:30 am- Plaza Mall, ground level
12:30 pm Limited seating, NO standing permitted.

LAS 1 — Peachtree Room
Management of patients with drug related problems
DENNIS MIERS, DDS, New Orleans, LA
This presentation will address drug abuse and chemical dependency as they relate to patient management. Alternative drug therapies and a treatment protocol for the recovering chemically dependent patient will be discussed.

LAS 2 — Grand Room
Management of large periapical lesions of endodontic origin
CARL W. NEWTON, DDS, MSD,
WILLIAM R. ADAMS, DDS, MSD,
Indianapolis, IN
The role of the endodontist in treatment planning and the surgical and non-surgical treatment of large periapical lesions of pulpal origin are discussed and illustrated with case reports. This will be repeated Friday afternoon as LAS 14.

LAS 3 — O'Hare Room
Ask a lawyer
JACK A. WEICHMAN, DDS, JD,
Pacific Palisades, CA
An opportunity to ask an endodontist/attorney questions regarding legal problems you have or wish to avoid (malpractice, employees, patients, lease, etc.) in your dental office. Even if you don't have or anticipate legal problems, you may want to hear and/or participate in the discussions.

LAS 4 — Waikiki Room
Bleaching of pulpless teeth—a safe and predictable procedure?
SHIMON FRIEDMAN, DMD, Jerusalem, Israel
Bleaching of pulpless teeth is regarded as safe and predictable. However, resulting external resorption and poor long-term esthetic results suggest the opposite. This conflict will be presented and discussed.

LAS 5 — Maui Room
New age retrofills: alternatives to amalgam
SAMUEL O. DORN, DDS, Pembroke Pines, FL
ARNOLD H. GARTNER, DDS, Southfield, MI
This seminar will explore some of the new materials being used for retrograde filings in endodontic surgery. This will be repeated Friday morning at LAS 11.

LAS 6 — Kulima Room
Periapical disease: what are you treating?
EVA C. DAHL, DDS, MA, MS, La Crosse, WI
An organized approach to diagnosis of periapical lesions will be presented illustrating the characteristics of inflammatory and non-inflammatory lesions, emphasizing the importance of a thorough evaluation, and discussing the role of a biopsy in appropriate cases. This will be repeated Friday morning as LAS 12.

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS.

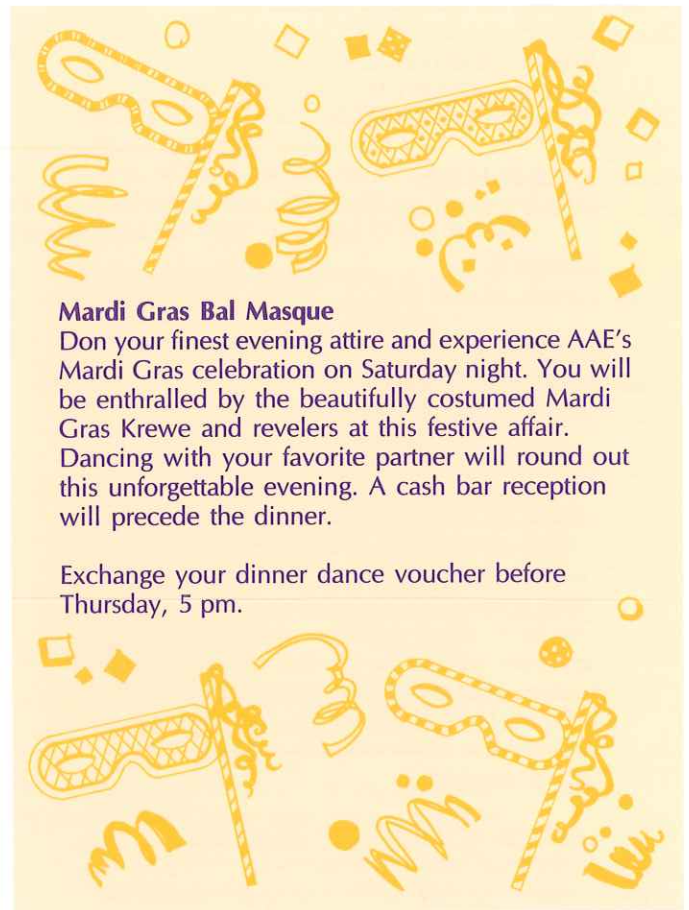
THURSDAY MORNING (continued)

RESEARCH SEMINARS I

Poydras Rooms (Plaza Mall, ground level)
Moderators: ROBERT E. AVERBACH, DDS,
Denver, CO
ERIC J. HOVLAND, DDS
Baltimore, MD

- 10:30 am Application of a device to lower pulpal temperatures *in vivo*
HAROLD E. GOODIS*, R. ROSENBERG & L. WATANABE, Univ of California
- 10:45 am Pulpo-dentinal Nociceptors
G. REX HOLLAND* & S. LAU, Univ of Alberta
- 11:00 am The role of arterio-venous shunting in the defense of the pulp to inflammation
SYNGCUK KIM*, J. DORSCHER-KIM, M. LIU & S. SIMCHON, Columbia Univ
- 11:15 am Physiological studies of neurogenic inflammation in the dental pulp
KENNETH MARKOWITZ*, G. BILOTTO, M. LIU, Y.T. JOU & S. KIM, Columbia Univ
- 11:30 am Evaluation of image quality in individual films of double film packets
WILLIAM D. JARVIS*, R. PIFER, J. GRIFFIN & A. SKIDMORE, West Virginia Univ
- 11:45 am Xeroradiography compared to radiography during endodontic treatment of maxillary molars
JOEL B. ALEXANDER* & J. ANDREWS, Univ of Texas at San Antonio
- 12:00 n An *in vivo* evaluation of the apex locator *Endocater*
NEVILLE J. McDONALD* & E.J. HOVLAND, Univ of Maryland
- 12:15 pm Machining efficiency of endodontic files
LARZ SPANGBERG*, Univ of Connecticut & E. STENMAN, Univ of Umea

*Presenter



Mardi Gras Bal Masque

Don your finest evening attire and experience AAE's Mardi Gras celebration on Saturday night. You will be enthralled by the beautifully costumed Mardi Gras Krewe and revelers at this festive affair. Dancing with your favorite partner will round out this unforgettable evening. A cash bar reception will precede the dinner.

Exchange your dinner dance voucher before Thursday, 5 pm.

NEED A BREAK?

Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area on Thursday and Friday, 10:30 am and 2:30 pm.

SMOKING

For the comfort of others, no smoking is permitted in the meeting rooms.

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

THURSDAY AFTERNOON, MAY 4

ABE/GROSSMAN MEMORIAL LUNCHEON

12:30 pm- (By ticket only)
1:45 pm Regency Ballroom D

Compassion and Healing
Rabbi ROBERT KIRSCHNER, PhD,
San Francisco, CA

Rabbi Kirschner has authored many articles in scholarly journals in the United States and Europe. He currently serves on the boards of many community organizations including the Mayor's Task Force on Dependent Children and the Committee on Homelessness of the United Way of the Bay area. On the national level, he has been appointed to the Committee on AIDS of the Union American Hebrew Congregations and the Board of Governors of Hebrew Union College.

DISTRICT CAUCUSES

2:00 pm- District I — Peachtree Room
3:00 pm CT, DC, ME, MD, MA, PA, PR, RI, VT and VA
District II — Waikiki Room
NJ and NY
District III — O'Hare Room
FL, GA, NC, Army, Navy, Air Force, Public Health and Veterans Adm.
District IV — Grand Room
IL, IN, KY, MI, OH, TN, WV and WI
District V — Maui Room
AL, AZ, AR, CO, IA, KS, LA, MN, MS, MO, NE, NM, OK, TX and UT
District VI — Kulima Room
AK, CA, HI, OR and WA

REFERENCE COMMITTEE HEARINGS

3:30 pm- Plaza Mall, Ground Level
4:30 pm Open forums to present your views on AAE activities

Association Affairs — Peachtree Room
Member Services — Peachtree Room
Communications/Publication — O'Hare Room
Education/Development — Grand Room
Membership — Grand Room

4:30 pm- **AADS SECTION MEETING**
5:30 pm Kulima Room

SCIENTIFIC SESSION II

2:00 pm- Regency Ballroom A-C
5:00 pm Managing the apical third
Moderator: MICHAEL A. HEUER, DDS, MS,
Chicago, IL

Biologic goals
F. JAMES MARSHALL, DMD, MS,
Lake Oswego, OR

Present filling techniques require a biologic barrier to limit their toxicity and to enhance the healing potential of the periapical tissues. A controlled, predictable procedure will be outlined and discussed.

Balance force instrumentation and modified files
JAMES B. ROANE, DDS, MS,
Oklahoma City, OK

Managing the apical foramen and the apical third of the canal is our most critical task. The foramen is the primary interface between canal contents and tooth supporting tissues. "Balance force" instrumentation uses rotary dynamics to prepare this most important area. The precision developed allows for mechanical cleansing through the foramen as well as creation of an artificial minimum diameter (apical control zone).

Management of the altered apex
STEVEN H. SANDERS, DDS, Chicago, IL

The key anatomic landmark for any endodontic preparation is the somewhat elusive apical constriction. However, a growing number of cases seem to be appearing where this fragile landmark has been lost due to overinstrumentation or external resorption. Management of these cases will be the main topic of this presentation. The use of calcium hydroxide as an apical barrier will be emphasized as a method for bringing these cases to a successful completion.

For patient comfort and clinical success
HERBERT SCHILDER, DDS, Boston, MA

Delicacy in manipulation of the apical third of root canals is the sine qua non of endodontic preparation. Effective obturation of the apical third is the basis for the 3-dimensional filling of the entire root canal system. This presentation will examine principles and techniques of cleaning, shaping and sealing this portion of the canal. Emphasis will be placed on anatomical, mechanical, biologic and material considerations to maximize endodontic success.

THURSDAY AFTERNOON (continued)

RESEARCH SEMINARS II

Poydras Rooms (Plaza Mall, ground level)
Moderators: JOHN G. FRASER, BDS, MDS,
Vancouver, Canada
MAHMOUD TORABINEJAD,
DMD, MSD, Loma Linda, CA

Graduate Student Section

- 2:00 pm The use of laser Doppler flowmetry in pulp physiological studies
MIN-TSAI LIU* & S. KIM, Columbia Univ
- 2:15 pm Sprouting of pulpal nerve fibers in response to dental injuries
PATRICK E. TAYLOR* & M. BYERS,
Univ of Washington
- 2:30 pm The effects of protoporphyrin IX depletion on *Bacteroides gingivalis*
SANDRA A. SHOSTAD*, P.K. BARUA, &
M.E. NEIDERS, SUNY at Buffalo
- 2:45 pm Rapid enzyme assays for the identification of endodontic pathogens
NONA I. BREELAND*, G. BERGENHOLTZ &
S. MADISON, Univ of North Carolina
- 3:00 pm An immunoassay to detect antibodies against endodontic medicaments
LOUIS M. SHOHA* & D.E. LOPATIN,
Univ of Michigan
- 3:15 pm Regulation of osteoblastic cyclic-AMP production by tumor necrosis factor alpha
STEWART SHAPIRO*, D.N. TATAKIS &
R. DZIAK, SUNY at Buffalo
- 3:30 pm Examination of periapical lesions by magnetic resonance imaging
BRUCE R. TERRY* & S. SELTZER, Temple Univ
- 3:45 pm Comparison of Gow-Gates and Akinosi techniques in human mandibular anesthesia
STEVEN A. GOLDBERG*, A. READER, M. BECK & W. MEYERS, Ohio State Univ
- 4:00 pm Comparison of epinephrine concentrations and mepivacaine in human maxillary anesthesia
RICK MASON*, A. READER, M. BECK & W. MEYERS, Ohio State Univ
- 4:15 pm Anesthetic comparison of prilocaine and lidocaine in human maxillary infiltrations
STEVEN J. KATZ*, A. READER, M. BECK & W. MEYERS, Ohio State Univ
- 4:30 pm A clinical evaluation of five electronic apex locators
ASHRAF F. FOUAD*, Univ of Iowa
- 4:45 pm An *in vitro* and *in vivo* study on the relationship of NaOC1 and temperature
JENNIFER F. LITTON* & H. SCHILDER,
Boston Univ
- 5:00 pm One year recall evaluation of root canals clinically determined to be ledged
D.J. MCKENDRY & LAURIE L. MCKENDRY*,
SUNY at Buffalo

*Presenter

IMPORTANT NOTICE

To reserve seats for the Dinner Dance on Saturday, vouchers must be exchanged for tickets no later than 5 pm Thursday. Parties wishing to sit together should return **all** vouchers at the same time. Your cooperation is greatly appreciated as we cannot extend this deadline.

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

FRIDAY MORNING, MAY 5

6:00 am- **FUN RUN** — Audobon Park
8:30 am (By ticket only)
Buses will depart from the main entrance of the Hyatt

7:30 am- **NEW MEMBERS' BREAKFAST**
9:00 am Burgundy A-B

8:00 am- **CONTINENTAL BREAKFAST**
8:45 am (By ticket only)
Regency Ballroom E

8:00 am- **EXHIBITS**
5:00 pm French Market Hall

8:00 am- **REGISTRATION**
11:00 am Regency Ballroom Foyer

LIMITED ATTENDANCE SEMINARS

9:00 am- Plaza Mall, ground level
11:00 am Limited seating, NO standing permitted.

LAS 7 — Peachtree Room
Associateship and sale/purchase agreement for an endodontic practice
JAMES H. PEARCE, JR, DDS
ERIC M. JAHDE, DDS, Denver, CO

Both parties must feel like winners in an associateship or sale of a practice. This seminar discusses the important issues for making satisfactory agreements and designing contracts for a successful conclusion.

LAS 8 — Grand Room
"Bacteria busters"—a clinical update on infection control
ROBERT E. AVERBACH, DDS, Denver, CO

This presentation will detail current concepts in dental office infection control products and procedures. Emphasis will be placed on a practical approach for both doctor and professional staff.

LAS 9 — O'Hare Room
Sonic instrumentation: from research to clinics
CATHERINE R. RICCI, DDS
JEAN-MARIE LAURICHESSE, DDS, Paris, France

Sonic instruments were developed from 1983 and preliminary investigations demonstrated their viability in root canal treatment. Then safety, efficiency and working time of sonics were experimentally evaluated prior to introducing new clinical procedures for penetration and shaping of the root canals.

LAS 10 — Waikiki Room
Apical mineralization in response to root canal filling with calcium hydroxide-containing sealers
MICHAEL TAGGER, DMD, MS
ETTY TAGGER, DMD, Tel Aviv, Israel

Histological examination of usage tests in monkeys indicated that a calcium oxide-containing sealer may promote apical mineralization thanks, in part, to its resorbability. In contrast, the effect of another sealer that contains calcium hydroxide was similar to that of zinc oxide-eugenol sealers.

LAS 11 — Maui Room (LAS 5 repeat)
New age retrofills: alternatives to amalgam
SAMUEL O. DORN, DDS, Pembroke Pines, FL
ARNOLD H. GARTNER, DDS, Southfield, MI

This seminar will explore some of the new materials being used for retrograde fillings in endodontic surgery.

LAS 12 — Kuilima Room (LAS 6 repeat)
Periapical disease: what are you treating?
EVA C. DAHL, DDS, MA, MS, La Crosse, WI

An organized approach to diagnosis of periapical lesions will be presented illustrating the characteristics of inflammatory and non-inflammatory lesions, emphasizing the importance of a thorough evaluation, and discussing the role of a biopsy in appropriate cases.

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

FRIDAY MORNING (continued)

SCIENTIFIC SESSION III

9:00 am- Regency Ballroom A
12:00 n Moderator: JOEL C. SMALL, DDS, Plano, TX

Treating perforating root resorption
NOAH CHIVIAN, DDS, West Orange, NJ
Perforating root resorption presents a series of problems whose solution lies within a range of possibilities: 1) nonsurgical approach, 2) recalcification with calcium hydroxide, 3) surgical repair. The lecture will focus on the indications and limitations of each approach to preserving the affected tooth, its health and function.

Managing perforations
FRED W. BENENATI, DDS, MEd, Norman, OK
Perforation repair poses one of the greatest problems in endodontics. A review of related clinical and lab studies and an analysis of the factors recognized as critical to the success of repair form the basis for selection of repair materials and techniques. Several methods of repairing actual clinical cases using calcium hydroxide, hydroxylapatite and amalgam will be presented in an effort to promote a better understanding and ability to deal with these complex problems.

Furcation perforation repair using hydroxylapatite as an internal matrix
RONALD R. LEMON, DMD, New Orleans, LA
One of the most devastating injuries affecting the long-term prognosis of a posterior tooth is the perforation of the furcation. Traditionally, treatment of this type of defect has required surgical intervention. By using hydroxylapatite as a matrix, most of these defects can now be repaired nonsurgically and the prognosis greatly improved. The technique has been researched at LSU School of Dentistry for over six years, and many cases have been successfully treated by this simple method.

SCIENTIFIC SESSION IV

9:00 am- Regency Ballroom F-H
12:00 n Moderator: STEVEN G. MORROW, DDS,
Loma Linda, CA

Lasers in dentistry. . . When, which types and for which uses?
KENNETH L. ZAKARIASEN, DDS, MS, PhD,
Halifax, Nova Scotia
THOMAS J. BORAN, DDS, Truro, Nova Scotia
DOUGLAS N. DEDERICH, DDS, MSc, PhD,
Edmonton, Alberta
Lasers have wide application in such areas as communications, industry and medicine. The literature increasingly suggests that lasers will also have numerous dental uses, e.g. in preventive, endodontic, periodontic and restorative dentistry procedures. This presentation will focus on dental laser applications and technology, and will hazard guesses as to when it all may become reality.

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NEED A BREAK?

Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area on Thursday and Friday, 10:30 am and 2:30 pm.

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

FRIDAY MORNING (continued)

RESEARCH SEMINARS III

Poydras Rooms (Plaza Mall, ground level)

Moderators: THOM C. DUMSHA, DDS, MS,
Baltimore, MD

SANDRA MADISON, DDS, MS,
Chapel Hill, NC

- 9:00 am Torsional ductility and cutting efficiency of the nitinol file
HARMEET WALIA*, J. COSTAS, W. BRANTLEY & H. GERSTEIN, Marquette Univ
- 9:15 am Shape of canals instrumented by hand and ultrasonically using macroradiography
MAJINAH AHMAD*, Univ of Malaya & T.R. PITT FORD, Guy's Hospital, London, England
- 9:30 am A quantitative evaluation of three different cleaning techniques for endodontic files; an SEM examination
CARLOS MURGEL*, R. WALTON, B. RITTMAN & J. PECORA, Univ of Iowa
- 9:45 am Performance of Gates-Glidden drill with an applied deflection load
NEILL H. LUEBKE*, Marquette Univ
- 10:00 am Effects of sterilization and usage on cutting efficiency of endodontic instruments
SCOTT W. MORRISON*, C. NEWTON & C. BROWN, Indiana Univ
- 10:15 am Smear layer effect on dentin permeability following calcium hydroxide treatments
JIANN-JANG WU*, R.D. BARFIELD, J. LEMONS, W. LACEFIELD & T. HEAVEN, Univ of Alabama
- 10:30 am Smear layer removal effects on root canal dentin tubule infection
KAMRAN E. SAFAVI*, L. SPANGBERG & K. LANGELAND, Univ of Connecticut
- 10:45 am Dentinal permeability to calcium hydroxide and to bleaching agents
ZVI FUSS*, S. SZAJKIS & M. TAGGER, Tel Aviv Univ
- 11:00 am Sterilization of extracted human teeth
EUGENE A. PANTERA, JR.* & G.S. SCHUSTER, Medical College of Georgia
- 11:15 am *In vitro* evaluation of chlorhexidine efficacy as an intracanal medication
ILANA HELING*, M. SOMMER, D. STEINBERG, M.M. SELA & M. FRIEDMAN, Hebrew Univ
- 11:30 am Antimicrobial effect of chlorhexidine in a controlled release delivery system
FRANK J. CERVONE*, L. TRONSTAD & B.F. HAMMOND, Univ of Pennsylvania
- 11:45 am Endodontic flare-ups after post-instrumentation application of different intracanal medicaments
MARTIN TROPE*, Temple Univ

*Presenter

SMOKING

For the comfort of others, no smoking is permitted in the meeting rooms.

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

FRIDAY AFTERNOON, MAY 5

12:00 n - LUNCHEON WITH LEARNING

1:45 pm (By ticket only)
Regency Ballroom D

Presentation of the Louis I. Grossman award



MELVIN GOLDMAN
1989 Grossman
Award Recipient

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.

LIMITED ATTENDANCE SEMINARS

2:00 pm- Plaza Mall, ground level
4:00 pm Limited seating, NO standing permitted.

LAS 13 — Peachtree Room
Controversies in the management of endodontic emergencies
GERALD N. GLICKMAN, DDS, MS, MBA,
Dallas, TX

This presentation will focus on the major issues that are often raised in the management of endodontic emergencies. Topical areas will include the "open/close" controversy, degree of debridement, occlusal adjustment, incision and drainage, apical and cortical trephination, and antibiotics and analgesics.

LAS 14 — Grand Room (LAS 2 repeat)
Management of large periapical lesions of endodontic origin
CARL W. NEWTON, DDS, MSD
WILLIAM R. ADAMS, DDS, MSD,
Indianapolis, IN

The role of the endodontist in treatment planning and the surgical and non-surgical treatment of large periapical lesions of pulpal origin are discussed and illustrated with case reports.

LAS 15 — O'Hare Room

What they didn't teach you in grad school: don't worry, be happy!

JOHN S. OLMSTED, DDS, MS
HAL W. MOHORN, JR, DDS, MS,
Greensboro, NC

The endodontic graduate student and recent graduate has numerous career opportunities. Preparing for careers in academics, research, and clinical practice will be examined. An emphasis on establishing a clinical practice will be explored with choices as an employee, an independent contractor and associate.

LAS 16 — Waikiki Room

Treatment planning in the diagnosis and management of endodontic failures

ADAM STABHOLZ, DMD, Jerusalem, Israel

The question of when to retreat a tooth that has had endodontic treatment is a common occurrence in dental practice. Treatment planning based on correct diagnosis and proper case selection may influence attempts to turn an endodontic failure into a success.

LAS 17 — Maui Room

The biology of pulpal diagnosis

STEVEN M. SIERASKI, DDS, MS, Maywood, IL

Painful and non-painful pulpal diagnosis will be examined from a biological viewpoint. Emphasis will be placed on the roles of intrapulpal pressure, vasculature, dentinal versus pulpal pain, and pulpal defense mechanisms.

LAS 18 — Kuilima Room

The restoration of endodontically treated teeth
ROBERT R. WHITE, DMD, Boston, MA

A cooperative presentation from both sides of "the fence." *Endodontic*: case selection and planning. Pretreatment, treatment, and post-treatment responsibilities. *Prosthodontic*: what to expect after endodontics. When are posts, cores and crowns necessary?

FRIDAY AFTERNOON (continued)

RESEARCH SEMINARS IV

Poydras Rooms (Plaza Mall, ground level)

Moderators: WALTER DOBLECKI, DMD,
Rockville, MD
MARSHALL ENGLAND, JR, DDS,
Richmond, VA

Graduate Student Section

- 2:00 pm Sealer adhesive strength to dentin with/without the smear layer
BRADLEY GETTLEMAN*, H.H. MESSER & M. EL DEEB, Univ of Minnesota
- 2:15 pm Changes in the physical properties for the Ultrafil gutta-percha system
MICHAEL D. GRASSI*, D.J. PLAZEK, A.E. MICHANOWICZ & I. CHAY, Univ of Pittsburgh
- 2:30 pm Apical seal following intracanal medication with calcium hydroxide
PATCHARIN PORKAEW*, R. BARFIELD, H. RETIEF, W. LACEFIELD & S. SOONG, Univ of Alabama
- 2:45 pm Longitudinal evaluation of the seal of endodontic retrofillings
KENNETH T. KING*, R.W. ANDERSON, D.H. PASHLEY & E.A. PANTERA, Medical College of Georgia
- 3:00 pm Sealing ability of the Thermafil obturation technique
CARMEN LARES-ORTIZ* & M. EL DEEB, Univ of Minnesota
- 3:15 pm A microleakage study of temporary restorative materials used in endodontics
HARRY G. BOBOTIS*, R.W. ANDERSON, D.H. PASHLEY & E.A. PANTERA, Medical College of Georgia
- 3:30 pm A comparison of intracanal stresses in a post-restored tooth
JOHNNY G. CAILLETEAU*, M. RIEGER, Univ of Texas at Houston & J. AKIN, Rice Univ
- 3:45 pm The effect of therapy on the healing response to experimentally-induced vertical root fractures in beagle dogs
RONALD C. MARKARIAN*, E.J. KAMINSKI, G.T. ISERMANN & E.M. OSETEK, Northwestern Univ
- 4:00 pm Bone healing with continuously infused calcium hydroxide, barium hydroxide or tetracycline
KIM FREEMAN*, J. LUDINGTON, G. PINERO & J. HOOVER, Univ of Texas at Houston
- 4:15 pm Scanning electron microscope study of *in vitro* cell attachment to titanium surfaces
PATRICIA S. WALTER*, B. GIAMMARA, D.B. GREEN & G. SONNENFELD, Univ of Louisville
- 4:30 pm Histologic evaluation of fibrin adhesive in endodontic surgical wound closure
DEBORAH C. CREEL* & J.W. HARRISON, Baylor College of Dentistry
- 4:45 pm Light microscope evaluation of wound healing following periradicular surgery
KATHRYN A. JUROSKY* & J.W. HARRISON, Baylor College of Dentistry
- 5:00 pm Factors influencing the prognosis of endodontic therapy
EUGENE I. SUGITA*, L. BAKLAND & M. TORABINEJAD, Loma Linda Univ

*Presenter

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS

SATURDAY MORNING, MAY 6

8:00 am- **CONTINENTAL BREAKFAST**

8:45 am (By ticket only)
Regency Ballroom E

8:00 am- **EXHIBITS**

12:00 n French Market Hall

LIMITED ATTENDANCE SEMINARS

9:00 am- Plaza Mall, ground level
11:00 am Limited seating, NO standing permitted.

LAS 19 — Peachtree Room

Differential diagnosis and treatment of endodontic-periodontal lesions
ROBERT J. MICHELICH, DDS, Jonesboro, GA
Knowledge of the progression and interaction of pulpal and periodontal inflammation is necessary to interpret clinical findings and initiate proper treatment. This clinical seminar will include the pathogenesis, evaluation of diagnostic methods, relevant treatment alternatives and prognoses for these lesions of masquerading symptoms.

LAS 20 — Grand Room

Clarifying the confusion about cracked cusps and roots
JAMES GUTTUSO, DDS, MSD,
West Palm Beach, FL
The "cracked tooth" is a perplexing problem and has resulted in speculation on its diagnosis and management. A straightforward, clinical approach to the recognition and management of cracked cusps and/or roots will be presented.

LAS 21 — O'Hare Room

Office and treatment records for the modern endodontic practice
DAVID D. FRANCISCO, DDS, MS,
Overland Park, KS
Suggestions for all office paperwork will be discussed, emphasizing better organization within the office, improved communication with patients or referring dentists, and especially stressing reduction in liability risk. Includes treatment letters, charts, registration, health, insurance, consent forms and more.

LAS 22 — Waikiki Room

Surgical repair of vertical root fractures
GEORGE G. STEWART, DDS, Philadelphia, PA
GUNNAR HASSELGREN, DDS, PhD,
Fort Lee, NJ

There will be a review of studies of the recognition and treatment of vertical root fractures. Surgical repair of these fractures will be illustrated with case history presentations.

LAS 23 — Maui Room

Radiographic interpretation
M. LAMAR HICKS, DDS, MS, Rockville, MD
Good quality radiographs can provide the endodontic practitioner with a wealth of information. This LAS will emphasize the usefulness of radiographs for discriminating between normal and abnormal, localizing objects in and around the oral cavity, elucidating occult anatomical features, and providing better treatment and evaluation capabilities.

LAS 24 — Kuilima Room

Acute care—symptomatic to asymptomatic
CHARLES J. CUNNINGHAM, DDS,
Lexington, KY
A comprehensive first-visit management protocol for patients with symptomatic pulp and/or periapical disease will be the focus of this seminar. Our evaluation sequence of diagnosis, etiology and treatment alternatives comprise the initial phase of care. The treatment sequence will extend from anesthesia to post-operative instructions. Transition from symptomatic to asymptomatic status is the goal of our one-visit emergency treatment.

SATURDAY MORNING (continued)

SCIENTIFIC SESSION V

9:00 am-12:00 n Regency Ballroom A-C
Steroids reconsidered
Moderator: RICHARD E. WALTON, DMD, MS,
Iowa City, IA

Inflammation and the mechanism of action of anti-inflammatory medications
MAHMOUD TORABINEJAD, DMD, MSD,
Loma Linda, CA

Inflammation is mediated by a variety of chemicals from tissues, migrating cells, and plasma. Release of these substances is curtailed by using their inhibitors and their antagonists. The process of inflammation in pulpal and periapical tissues will be reviewed and the role of anti-inflammatory drugs will be discussed.

Nonsteroidal inflammatory agents—their pharmacology and clinical use
MICHAEL K. GAYNOR, DDS, MS, Chicago, IL

This presentation will discuss the pharmacological aspects of the non-steroidal anti-inflammatory agents and will examine in depth their use in dentistry. All of the agents available, their side effects, and clinical advantages will be evaluated.

Steroids do work in endodontics
GARRY J. NERVO, BDS, MDS,
Ivanhoe, Australia

Endodontic disease is essentially an inflammatory reaction to infection and damaged tissue. This presentation will discuss the use of intra canal depot steroids as an adjunct to the other biological tenets of endodontics. Their application to painful teeth, root resorption and the management of avulsed teeth will be discussed.

RESEARCH SEMINARS V

Poydras Rooms (Plaza Mall, ground level)
Moderators: SYNGCUK KIM, DDS, PhD,
New York, NY
ALFRED W. READER, DDS,
Pataskala, OH

9:00 am Purification and characterization of capsular polysaccharides from *Bacteroides intermedius*
ROSEMARY LINZER*, SUNY at Buffalo

9:15 am Presence of bacteria in experimentally induced periapical lesions
ELIZEU A. PASCON*, K. LANGELAND, Univ of Connecticut & W. GREMSKY, Univ Fed Brazil

9:30 am The *in vitro* production of IgG in periapical inflammatory lesions
J. CRAIG BAUMGARTNER* & W. FALKLER,
Univ of Maryland

9:45 am Role of calcium, cyclic AMP and GTP-binding proteins in bone metabolism
SUSAN E. HAGEL-BRADWAY* & R. DZIAK,
SUNY at Buffalo

10:00 am Methodology in the assessment of biocompatibility of endodontic sealers
KAARE LANGELAND*, S. ANDREANA & E.A. PASCON, Univ of Connecticut

10:15 am An evaluation of Ultrafil obturation
MARK R. JENSEN*, M.C. BAKER, J.E. VAN CURA & N.A. REMEIKIS, Univ of Illinois at Chicago

10:30 am Pain perception and analgesic use during root canal retreatment
JERRY F. TAINTOR*, Univ of Tennessee,
A. FAHID, UCLA & R.C. BIESTERFELD,
Edina, MN

10:45 am Profile of initial root canal treated teeth in private practice
J.F. TAINTOR, Univ of Tennessee,
ROBERT C. BIESTERFELD*, Edina, MN & A. FAHID, UCLA

11:00 am Factors affecting microleakage
AIDA A. CHOAYEB*, Howard Univ,
F.C. EICHMILLER & N.W. RUPP, ADAHF PRC,
NIST, Gaithersburg, MD

11:15 am The incidence of flare-ups following endodontic treatment
FREDERIC BARNETT* & L. TRONSTAD,
Univ of Pennsylvania

11:30 am Endodontic treatment before and after autotransplantation of mature dog teeth
GUNNAR HASSELGREN*, Columbia Univ,
P. NELLESTAM, Univ of Lund & A. SKOGLUND, Univ of Umea

11:45 am Lateral condensation using differently tapered root canal models
ICHIROH KATSUUMI*, T. SUZUKI,
H. NAKAMURA, H. GOTOH, T. TSUZUKI,
Y. NAKAMURA, Nippon Univ & E.M. OSETEK,
Northwestern Univ

*Presenter

SATURDAY MORNING (continued)

8:30 am- TABLE CLINICS

11:30 am French Market Hall

- TC 1 Alternate methods of obturating the curved canal with thermoplasticized gutta-percha
JACK P. CAMPBELL, DMD, Bethesda, MD
- TC 2 Anaerobic microbiologic sampling in endodontic therapy
FRANK J. CERVONE, DMD, Yeadon, PA
- TC 3 Intracanal medicaments: you make the choice
HESHAM M. EL-TAGOURI, BDS
MARIO CZONSTKOWSKY, DMD, MDS,
Univ of Pittsburgh
- Graduate Student Section
- TC 4 Endodontic success and failure
ROBERT D. BERNIE, DDS
MICHAEL L. MARK, DDS, Univ of Maryland
- TC 5 The XCP film holder with a modification to reproduce radiographs free of distortion
JOSEPH S. DOVGAN, DDS, Univ of Iowa
- TC 6 Endodontic flare-ups
MARIA J. FOURNIER, DDS
CLAY ECKERT, DDS, Northwestern Univ
- TC 7 Post space preparation
STEPHEN J. FRAME, DMD
ZAREH OUZOUNIAN, DDS, Boston Univ
- TC 8 Endodontic-periodontal lesions
MICHAEL R. FUKAWA, DDS
JAMES F. GIANAKAKIS, DDS,
Northwestern Univ
- TC 9 Internal or external resorption?
RICHARD E. GOLDEN, JR, DDS,
Naval Dental School
- TC 10 Root length distortion with high distal palatal projection radiographs
WILLIAM C. HIGHTOWER, DDS,
Naval Dental School
- TC 11 Mach band or adumbration
KENNETH R. HUNTER, DDS,
Naval Dental School
- TC 12 Orthodontic extrusion of an endodontically treated tooth with root resorption
DOUGLAS J. KOCH, DDS
SUDHA PATIL, DDS, Univ of Maryland

- TC 13 Actinomycosis
ROBERT W. LADLEY, DMD,
Naval Dental School
- TC 14 Instrumentation of the ribbon shaped canal
WILLIAM D. LUPER, DDS, Naval Dental School
- TC 15 The use of transillumination in endodontics
RANDY S. METZLER, DDS
THOMAS J. FOGARTY, DDS, USAF Wilford Hall
- TC 16 Orthodontic extrusion in difficult endodontic cases
DAVID S. MORESI, DDS, Naval Dental School
- TC 17 Methylene blue—an adjunct to endodontic surgery
LANGSTON D. SMITH, DMD,
Naval Dental School
- TC 18 An improved amalgam retroseal technique
HOM-HSIANG WANG, DDS,
Case Western Reserve Univ
- TC 19 The endodontic flare-up: inflammation or infection?
DENNIS J. WOURMS, DDS,
Naval Dental School

8:30 am- POSTER CLINICS

11:30 am French Market Hall

- PC 1 Comparative study of micro leakage of four retrofilling materials by die penetration
JEAN-YVES COCHET, DDS
ISABELLE BARRIL, DDS, Paris, France
- PC 2 A SEM study of the mesiolingual canal in human maxillary first and second molars
JAMES A. GILLES, DDS, San Antonio, TX
ALFRED W. READER, DDS, Columbus, OH
- PC 3 Vertical root fracture and dentin deformation in curved canals: effect of spreader design
CARLOS MURGEL, DDS, Iowa City, IA
- PC 4 Performance flaws in root canal therapy by undergraduate students
GARY M. RITCHIE, DDS, Kansas City, MO
- PC 5 Evaluation of the gutta-percha filling conditions obturated by McSpadden compactor method
TAMIYUKI TSUZUKI, DDS
ICHIROH KATSUUMI, DDS,
Nippon Dental Univ

SATURDAY AFTERNOON, MAY 6

Graduate Student Section

- PC 6 Ultrasonic condensation of gutta-percha, an *in vitro* dye penetration study
KIRK R. BAUMGARDNER, DDS, Univ of Iowa
- PC 7 A study of irrigating solution location during cleaning and shaping using a radiopaque dye
RALPH D. HAWKINS, DDS
ROBERT D. WELLS, DDS, Boston Univ
- PC 8 Modifiers of the inflammatory process in human dental pulps
SCOTT B. McCLANAHAN, DDS,
Northwestern Univ
- PC 9 A comparison between Thermafil and lateral condensation in highly curved canals
LAMONT G. McMURTRY, DDS, Univ of Iowa
- PC 10 Investigation of the biological effects of CO₂ surgical laser on beagle dogs' teeth
SHAHAB NOORVASH, DDS,
Northwestern Univ
- PC 11 Vertical root fracture and distortion during obturation and post placement
GAYLE OBERMAYR, DDS, Univ of Iowa
- PC 12 The elemental composition of some endodontic sealer cements
SAUD M. ORFALI, BDS, MSC,
Univ of Pennsylvania
- PC 13 Human neutrophil components: indicators of pulpal inflammation
CINDY R. RAUSCHENBERGER, DDS,
Northwestern Univ
- PC 14 Leakage of retrograde filling materials at different cavity depth preparations
JORDAN L. SCHWEITZER, DDS,
Marquette Univ
- PC 15 Torsional failure of twisted and ground endodontic files
BRADLEY G. SETO, DDS, Univ of Washington
- PC 16 Dental trauma: a simplified approach to treatment
CLARA M. SPATAFORE, DDS
C. RUSSELL JACKSON, DDS,
West Virginia Univ

- 12:00 n- **COOLIDGE LUNCHEON**
2:00 pm (By ticket only)
Regency Ballroom D-E
Presentation of the Edgar D. Coolidge Award



SAMUEL S PATTERSON
1989 Coolidge
Award Recipient

The Edgar D. Coolidge Award is presented annually to an AAE member who has had active participation in the AAE during the individual's professional lifetime and who has displayed leadership and exemplary dedication to dentistry and to endodontics.

- 2:30 pm- **GENERAL ASSEMBLY**
5:00 pm Regency Ballroom F-H
Business meeting, elections and presentation of Graduate Student Award winners.
- 6:30 pm- **PAST PRESIDENTS' RECEPTION**
7:30 pm Regency Ballroom Foyer
- 7:30 pm- **MARDI GRAS BAL MASQUE DINNER DANCE**
12:00 m (By ticket only)
Regency Ballroom

SUNDAY, MAY 7

- 8:30 am- **CASE PRESENTATION FAREWELL BREAKFAST**
10:30 am (By ticket only)
Regency Ballroom F-H
Case discussion with your peers and to say farewell until next year.

NEW ORLEANS NEW ORLEANS



AFFILIATES, ALUMNI & OTHER GROUPS

THURSDAY, MAY 4

French Endo Society 12:30-1:45 pm
Int'l Fed of Endo Assns 2-5 pm
Minnesota Endo Alumni 6:30-8:30 pm
Northwestern Alumni 6-8 pm
Tufts Univ Endo Alumni 6-8 pm
Univ of Maryland Endo Alumni 6-8 pm
UNC Endo Alumni 6-8 pm
Univ of Pitts 6-8 pm
US Army Assn of Endo 1-2 pm
US Army Assn 6:30-9:30 pm

Room
Burgundy A
Burgundy B
Burgundy C
Dauphine
Magnolia
Royale
Burgundy D
Burgundy A-B
O'Hare
Howard
Johnson

FRIDAY, MAY 5

Boston Univ Endo Alumni 7:30-9 am
Med College of VA 7-9 am
HJ Healey Endo Study Club 7:30-9 am
Univ of Michigan Endo Alumni
7:30-9 am
Oklahoma Assn of Endo 7:30-9 am
Penn Academy of Endo 7:30-9 am
Christian Endo Society 5-6 pm
Florida Assn of Endo 5-6 pm
FJ Marshall Recpt 5:30-7:30 pm
UTH Endo Alumni 6-7:30 pm
Temple Univ Endo Alumni 6-8 pm
Iowa Endo Group 6-8 pm
A Einstein Med Ctr Alumni 6-8 pm
Univ of Wash Endo Alumni
6:30-8:30 pm
Boston Univ Endo Alumni 7-10:30 pm
Univ of Connecticut Alumni 6:30-8 pm

Burgundy D
St. Louis Hotel
Kenilworth
Dauphine

Rampart
Burgundy C
Elmwood
Rosedown
Buena Vista
Dauphine
Burgundy A
Kenilworth
Burgundy B
Rampart

Burgundy C-D
Royale

SATURDAY, MAY 6

USAF Assn of Endo 7:30-9 am
US Navy Assn of Endo 7:30-9 am

Rampart
Burgundy C



BOARD & COMMITTEE MEETINGS

MONDAY, MAY 1

ABE Board 8 am-6 pm

Room
Royale

TUESDAY, MAY 2

R&E Foundation Trustees 8 am-5 pm

Burgundy A

WEDNESDAY, MAY 3

AAE Board of Directors 8 am-5 pm

Burgundy A-B

FRIDAY, MAY 5, 7:30-9 am

Editorial Board
Federal Dental Health Services
Honors & Awards
International Relations
New Members' Breakfast

Buena Vista
Ashland
Elmwood
Royale
Burgundy A-B

SATURDAY, MAY 6, 7:30-9 am

Dental Care & Clinical Practice
7:30-10 am
Educational Affairs
Membership
Member Services
Past Presidents' Breakfast
Professional Standards, Peer
Review & Ethics
Public & Professional Affairs
Research & Scientific Affairs

Burgundy A

Ashland
Magnolia
Elmwood
Royale
Kenilworth

Buena Vista
Rosedown

SUNDAY, MAY 7

AAE Board of Directors 8 am-1 pm

Burgundy A-B

NEW ORLEANS NEW ORLEANS NEW ORLEANS NEW ORLEANS



DIRECTORS

AMERICAN BOARD OF ENDODONTICS

1989

Leif K. Bakland
Carlos E. del Rio
Robert Zelikow

1990

Stephen Cohen
Alvin A. Krakow, President
William E. Bernier

1991

M. Lamar Hicks
F. James Marshall
Edward M. Osetek, Secretary/Treasurer

TRUSTEES

RESEARCH & EDUCATION FOUNDATION OF THE AAE

1989

Joel B. Alexander
Raleigh C. Cummings
Marshall D. Peikoff,
President

1991

Gary R. Hartwell
Sandra Madison,
Secretary/Treasurer
John W. Myers

1990

Paul D. Eleazer,
President-elect
Gregory C. Galland
Carl W. Newton

1992

Harold E. Goodis
Peter A. Paesani
Carl L. Tinkelman

Ex officio: Eric J. Hovland

TOURS

Wonders in New Orleans — \$21, Wed, May 3, 1-4 pm
City Whirl-a-Round — \$38, Thurs, May 4, 9-3:30 pm
Honey Island Swamp — \$35, Fri, May 5, 8:30-12 n
Jazz & Heritage Festival — \$20, Fri, May 5, 1-6:30 pm

Pre-registration tickets are to be picked up at the tour desk in the AAE registration area. If seats are available, tickets will be sold on-site. However, if the minimum amount of registrants is not met, the tour(s) will be cancelled. All tours depart from the main entrance of the Hyatt Regency Hotel.



AAE AUXILIARY

The AAE Auxiliary will maintain a hospitality suite in the Oak Manor Room on Thursday & Friday from 1:00 pm-3:00 pm.

OFFICERS

Mrs. Sherry Heller (A. Stephen) President
Mrs. Ann Ratkus (Victor) President-elect
Mrs. Linda Powell (William) Vice president
Mrs. Elizabeth Rubin (Samuel) Secretary
Mrs. Cheryl Pranikoff (Howard) Treasurer
Mrs. Helen Mills (John C.) Parliamentarian

THURSDAY, MAY 4

Continental Breakfast/Lecture & slide presentation
8 am-9 am, Woody Herman Room
All registered spouses are welcome.

Board Meeting
4 pm-5 pm, Mrs. Heller's suite

How to start a business from the idea stage to success
4 pm-5 pm, Rampart Room
BEVERLY A. MARGOLIS, Utica, NY

A leading communicator, she speaks on being a woman entrepreneur in today's world. Ms. Margolis shared her experiences on TV shows such as *P.M. Magazine* to *SMART MONEY* and on radio telephone interviews. She was selected Woman of the Year for 1988 by her local Business & Professional Women's Association.

SATURDAY, MAY 6

Auxiliary Brunch—Learning to Cook Creole
(By ticket only)
8:30 am-10:30 am, Woody Herman Room

JOE CAHN, New Orleans

Learn first hand how to prepare the incomparable Creole Cuisine that has made New Orleans famous. You will be entertained with the history and origins of Creole recipes—a combination of French, Spanish, African and Choctaw Indians. See and sample delicacies such as jambalaya and learn the secret of making the native pecan pralines. Recipes and taste samples will be provided. This is in conjunction with the Auxiliary Breakfast at 8:30 am.

Board Meeting
11 am-12 n, Mrs. Heller's suite



TECHNICAL EXHIBITS

- | (Booth #) | (Booth #) | (Booth #) |
|---|--|--|
| 204 Amadent
P.O. Box 733
Cherry Hill, NJ 08003 | 106 Essential Dental Systems
7 W. 36th St.
New York, NY 10018 | 100 Osada Electric Co., Inc.
8242 W. Third St., #150
Los Angeles, CA 90048 |
| 215 Analytic Technology Corp.
3301 - 181st Place NE
Redmond, WA 98052 | 317 Hall Surgical/Zimmer
1170 Mark Ave.
Carpinteria, CA 93013 | 112 Patterson Dental Co.
1100 E. 80th St.
Minneapolis, MN 55420 |
| 322 Aseptico/North Pacific Dental
P.O. Box 3209
Kirkland, WA 98083 | 121 Healthco Int'l, Inc.
25 Stuart St.
Boston, MA 02116 | 111 Premier-Espe/Premier
1710 Romano Dr., Box 111
Norristown, PA 19404 |
| 110 Astra Pharmaceutical Products, Inc.
50 Otis St.
Westborough, MA 01581 | 211 Hu-Friedy Mfg. Co., Inc.
3232 N. Rockwell St.
Chicago, IL 60618 | 208 Pulpdent Corp.
80 Oakland St.
Watertown, MA 02272 |
| 321 Becker-Parkin Dental Supply Co.
245 Seventh Ave.
New York, NY 10001 | 103 Hygenic Corp.
105 1245 Home Ave.
Akron, OH 44310 | 102 Quality Aspirators
P.O. Box 382120
Duncanville, TX 75138 |
| 214 Block Drug Co., Inc.
257 Cornelison Ave.
Jersey City, NJ 07302 | 107 Inter-Dent
391 Steelcase Rd. W., Unit 16
Markham, ON, Canada L3R 3V9 | 104 Quintessence Publishing
870 Oak Creek Dr.
Lombard, IL 60148 |
| 206 Brasseler USA Inc.
800 King George Blvd.
Savannah, GA 31419 | 222 JS Dental Mfg. Inc.
P.O. Box 904
Ridgefield, CT 06877 | 210 Roydent Dental Products, Inc.
6964 Crooks Rd., Suite 4
Troy, MI 48098 |
| 319 CMI Group
4533 US 220 North
Summerfield, NC 27358 | 308 K-Comp Systems
535 N. Brand Blvd., Suite 601
Glendale, CA 91203 | 305 Safeskin Corp.
6567 N.W. 13th Ct.
Plantation, FL 33313 |
| 203 L.D. Caulk Co.
205 P.O. Box 359
207 Milford, DE 19963 | 101 Kelly Systems, Inc.
6735 Telegraph Rd., Suite 205
Birmingham, MI 48010 | 310 Charles B. Schwed Co., Inc.
138 Audley St.
Kew Gardens, NY 11418 |
| 202 R. Chige, Inc.
475 W. Merrick Rd.
Valley Stream, NY 11580 | 223 Kerr Mfg. Co.
28200 Wick Rd.
Romulus, MI 48174 | 221 Tamiko Corp.
15020 Delano St.
Van Nuys, CA 91411 |
| 304 Columbus Dental/Miles, Inc.
P.O. Box 620
St. Louis, MO 63188 | 220 Knoll Pharmaceuticals
30 N. Jefferson Rd.
Whippany, NJ 07981 | 122 Therafil/Tulsa Dental Products
124 6804 S. Canton, Suite 600
Tulsa, OK 74136 |
| 315 Dentastar Int'l
1324 W. Collins Ave.
Orange, CA 92668 | 316 Lea & Febiger
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New Castle, PA 16105 |
| 314 Designs for Vision
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13910 N. Dale Mabry Hwy., Suite 2
Tampa, FL 33618 | 320 Uniflex Endodontic Co.
6964 Crooks Rd.
Troy, MI 48098 |
| 306 Dunvale Corp.
141 Union St.
Gilberts, IL 60136 | 217 Medidenta Int'l, Inc.
39-23 62nd St.
Woodside, NY 11377 | 115 Union Broach/A Health-Chem Co.
117 1107 Broadway
New York, NY 10010 |
| 109 Ellman International Mfg., Inc.
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Hewlett, NY 11557 | 216 C. V. Mosby Co.
11830 Westline Industrial Dr.
St. Louis, MO 63146 | 116 Dentsply Int'l
570 W. College Ave.
York, PA 17405 |
| 123 Encyclopaedia Britannica, USA
310 S. Michigan Ave.
Chicago, IL 60604 | 313 Nat'l Dental Mutual Insurance Co.
44 Montgomery St., Suite 400
San Francisco, CA 94104 | Non-Technical Exhibits
American Audio Association
(Registration Area)
307 Willis Avenue
Mineola, NY 11501 |
| 108 Endo Technic Corp.
3002 Dow Ave., #512
Tustin, CA 92680 | 311 Navy Recruiting Command
Code 122 Rm. 203-4015 Wilson Blvd.
Arlington, VA 22203 | AAE Career Counseling
Research & Education Foundation
1990 Annual Session |
| 209 Endoco, Inc.
5180 Park Ave., Suite 170
Memphis, TN 38119 | 120 Ortho Management Systems (OMS)
3120 Crossing Park
Norcross, GA 30071 | |



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Herbert Schilder	'85-86
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Charles J. Cunningham	'87-88

*Deceased



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*Edgar D. Coolidge	'69
*Harry B. Johnston	'70
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Bertram L. Wolfsohn	'74
*Vincent B. Milas	'75
Worth B. Gregory	'78
Jacob B. Freedland	'80
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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

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
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Melvin Goldman	'89

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Maynard K. Hine
Oscar A. Maisto
Maury Massler
Harold R. Stanley
Henry O. Trowbridge



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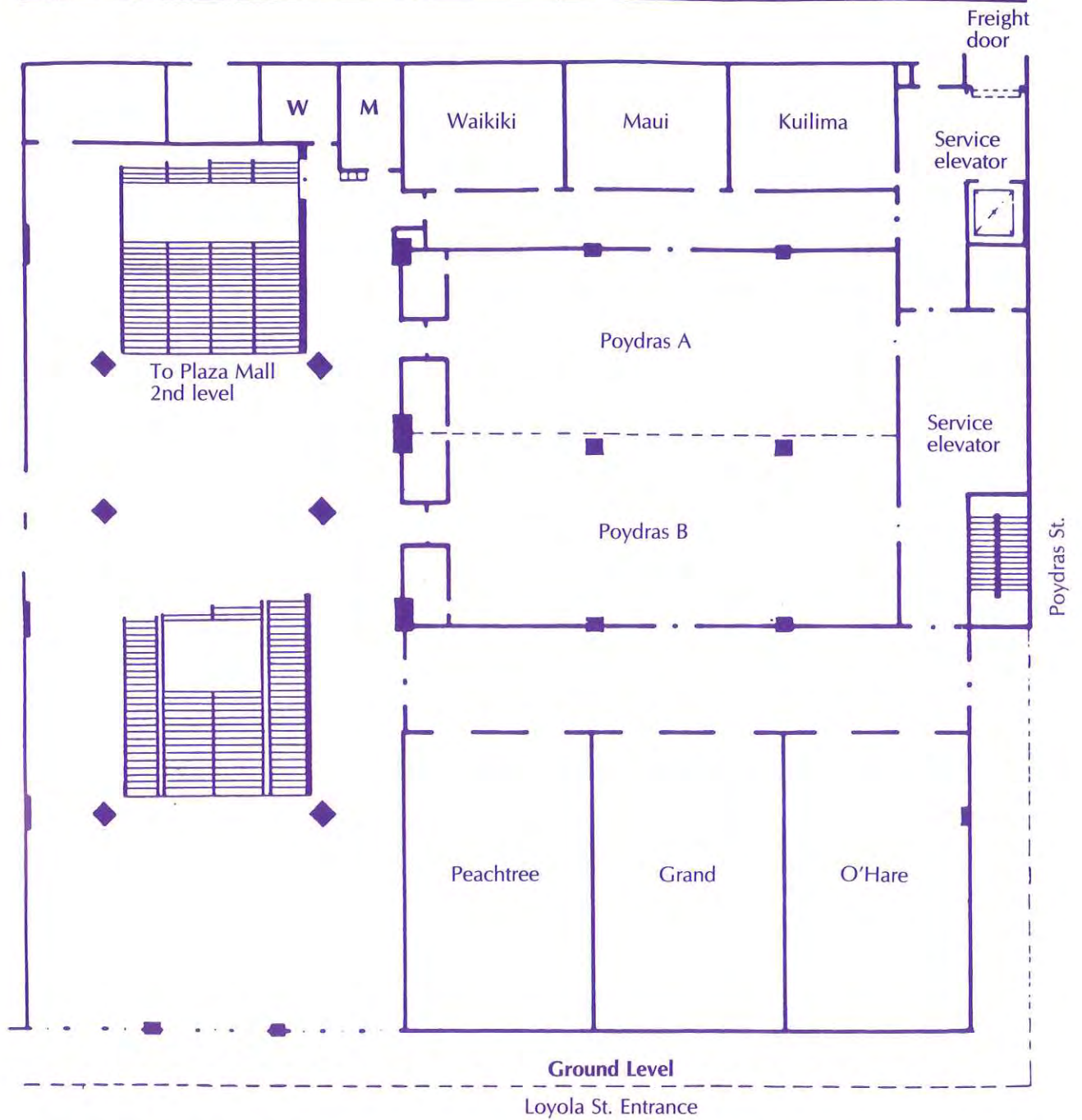
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