ENDODONTIC HERITAGE:
GENERATIONS OF PROGRESS
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American Association of Endodontists  
43rd Annual Session  
April 16-20, 1986  
Boston, Massachusetts
PRESIDENT'S MESSAGE

Welcome to Boston and to the 43rd Annual Session of the American Association of Endodontists! A great meeting, a great city, and a great experience are in store for you in this historic birthplace of the American Revolution.

Boston and the Massachusetts Bay Colony played critical roles both in Colonial America and in the birth and development of our country. From your hotel you can walk to Paul Revere’s house, to Bunker Hill, and to the magnificent monument that marks the defeat, retreat, and final evacuation of the British from this region. A short ride in the countryside takes you to Lexington and Concord where on April 19, 1775, was “fired the shot heard ‘round the world,” which started the first national democratic reform movement a decade before the French Revolution. Don’t fail to stroll one morning to the North End to see the Old North Church, from whose tower lanterns were lit as a signal to Paul Revere and the Minute Men (311 years ago this week) that the British were marching to Concord.

The meeting, Endodontic Heritage: Generations of Progress, prepared for you by the tireless team of Terry Hayes, General Chairman, and Ed Osetek, Program Chairman, parallels the history of the region you are visiting. Just as Boston has progressed into a modern international center for world trade, banking, and finance and to preeminence in education, medicine, and high-technology, Terry and Ed, with the Program Committee, have put together a program that covers the breadth of the specialty from its basics to the state of the art in endodontic teaching and technique. The Scientific Sessions have been arranged around important themes and include in-depth review as well as panel discussions by a glittering array of teachers and clinicians. The Business Sessions, the Limited Attendance Seminars, the Research Seminars, Table Clinics and Poster Clinics, the AAE Auxiliary programs, special events, and tours were arranged with equal care to make your visit an exciting and memorable one.

Special thanks must be given to Peter Morgan and the Local Arrangements Committee who have worked long and well to insure your comfort during the meeting.

And most importantly, Irma Kudo, our Executive Director, and her staff must be publicly acknowledged for outdoing themselves in providing the support without which the meeting would be impossible.

If I sound excited — it is because I am! It’s rare that the Annual Session takes place in the city where the President resides. To those who have come from near and far across this country, and to our distinguished overseas guests, I wish you all a truly memorable experience during your time here.

Herbert Schilder, DCS
President
AMERICAN ASSOCIATION OF ENDOdontists

EXECUTIVE COMMITTEE

Herbert Schilder
President

Michael A. Heuer
President-elect

Charles J. Cunningham
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 Irma S. Kudo
Executive Director

BOARD OF DIRECTORS

1986
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Milton Siekin  
Herbert F. Spasser

1987
Myron Chubin  
M. Lamar Hicks  
Eric J. Hovland

1988
Ralph Bellizzi  
Roger T. Czarnecki  
James C. McGraw
WELCOME

Welcome! The Annual Session Program Committee is delighted to welcome you to beautiful and historic Boston and urges you to take advantage of the many attractions of the city.

The program for this 43rd Annual Session has been specifically designed to update our understanding of fundamental endodontic concepts while at the same time elevating our appreciation of our endodontic history and heritage, which contributed so greatly to our state-of-the-art status.

In addition to the scientific sessions of clinical interest, this year’s program includes the Research Seminars as well as sessions on personal well-being.

The social events promise to be most enjoyable and memorable.

The Local Arrangements Committee has done an outstanding job of assuring that you will have a great time if you participate.

Please be certain to visit our technical exhibitors, who continue to provide support for our annual sessions.

The Annual Session Committee wishes to extend its heartfelt thanks to Irma Kudo and her outstanding staff, especially to Letty Catrambone, who attended to the many details that are crucial to the success of our program. We also wish to thank President Herbert Schilder and General Chairman Terry Hayes for their support and guidance.

Finally, a special thanks to our spouses and families for their patience and sacrifice during the nearly two years that it took to bring this program to fruition.

Edward M. Osetek, DDS, MA
Program Chairman

ANNUAL SESSION COMMITTEE

Terrence W. Hayes
General Chairman
Edward M. Osetek
Program Chairman

Program
Continuing Education ........................................ James L. Gutmann
Limited Attendance Seminars ................................. Frank Casanova
Research Seminars ............................................ Syngcuk Kim
Table Clinics/Poster Clinics ................................. Seymour Meinerich
Printed Program .................................................. Irma S. Kudo

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Local Committee Chairman ................................ Peter A. Morgan
Audio-Visual ...................................................... Joseph I. Tenca
Banquets & Meals ............................................... Robert F. Sheehan
Hospitality ........................................................ Harold J. Levin
Monitors ........................................................... Shepard S. Goldstein
Registration ....................................................... Joseph J. Williams
Signs ............................................................... Philip J. Molloy
Sports ............................................................... Robert L. Kittredge
Technical Exhibits ............................................... Letty Catrambone
AAE Auxiliary Chairperson ................................ Lesley Mehlman

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

The Sheraton-Boston Hotel is the headquarters hotel for the 43rd Annual Session.

AAE Headquarters — Exeter Room
The Headquarters will be staffed by members of the Central Office — Laura Cancilla, Letty Catrambone, Sandy DiRocco, and Elizabeth Peralta — and by members of the Annual Session Committee. Office hours are 8 am - 6 pm Wednesday through Friday and 8 am - 5 pm on Saturday.

General Registration — Constitution Foyer
Wednesday, April 16: 11 am - 8 pm
Thursday, April 17: 8 am - 6 pm
Friday, April 18: 8 am - 5 pm

Registration fees include the following:

AAE MEMBERS (after March 3)
$200 includes all scientific sessions, Welcome/Fellowship Reception, one full breakfast (Thursday), two luncheons (Friday and Saturday), three continental breakfasts, and one ticket to the Saturday evening Dinner Dance

AAE ASSOCIATE MEMBERS
$250 same as above

AAE STUDENT MEMBERS
$75 all scientific sessions, Welcome/Fellowship Reception

NON-MEMBER PROFESSIONALS
$225 all scientific sessions

NON-MEMBER STUDENTS
$75 all scientific sessions

DENTAL AUXILIARIES
$55 all scientific sessions

SPOUSES
$55 Welcome Fellowship Reception, use of hospitality suite

Limited Attendance Seminars
Tickets reserved in advance are included in each individual's registration packet. To register for an open Seminar or to exchange tickets, inquire at the special desk located in the AAE registration area.

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 Republic Foyer.

Speaker Ready Room
Program participants are urged to review their audio visual material in the Speaker Ready Room (Liberty F) prior to their presentation to avoid possible problems that may occur.

Saturday Dinner Dance
Your table selection for the "Essence of Elegance," our 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. No exceptions will be made.

Continuing Education Credit

American Dental Association — Individuals who participate in the ADA registry program will receive continuing education credits as follows:
- 5 credits for general attendance at the annual session. This includes attendance at table clinics and/or exhibits.
- Hour-for-hour credit for attendance at a scientific presentation of at least one hour's duration. This must be of a scientific or a clinical nature.

California Board of Dental Examiners — For California members the maximum total number of hours approved for the annual session is 39 in Category I and 10 in Category II. Business Sessions I, II, and IV are considered to be outside the scope of continuing education approval.

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

Exhibits — Exhibit 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 in Boston. Continental Breakfast will be served in the Exhibit Hall on Friday and Saturday mornings. Complimentary coffee service will be provided on Thursday and Friday, 10:30 am-12 Noon and at 2:30 pm-4:00 pm in the exhibit area.

Exhibit hours are:
Thursday, April 17: 10 am - 6 pm
Friday, April 18: 8 am - 5 pm
Saturday, April 19: 8 am - Noon

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

MONDAY, APRIL 14
8:00 am- 6:00 pm  ABE BOARD OF DIRECTORS MEETING
              Dalton Room

TUESDAY, APRIL 15
8:00 am- 5:00 pm  E & M FOUNDATION TRUSTEES MEETING
              Gardner Room
8:00 am- 6:00 pm  ABE ORAL EXAMS
              Beacon A, B, C, H

WEDNESDAY, APRIL 16
8:00 am- 5:00 pm  ABE BOARD OF DIRECTORS MEETING
              Gardner Room
8:00 am- 6:00 pm  ABE ORAL EXAMS
              Beacon A, B, C, H

11:00 am- 8:00 pm  REGISTRATION
              Constitution Foyer

CONTINUING EDUCATION COURSE
(Pre-registration required)
Republic Room

A critical assessment of the biological rationale for modern endodontic practice
Moderators: JAMES L. GUTMANN, DDS, Dallas
          JOHN B. HOLCOMB, DDS, Richmond

8:30 am  Welcome
8:45 am  The curious process and its pulpal sequelae: is it really all that simple?
          MAURY MASSLER, DDS, MS, DSC, Tufts University
9:30 am  Conserving the dental pulp: can it be done? is it worth it?
          HAROLD R. STANLEY, DDS, MS, University of Florida
10:15 am  Coffee Break — Independence Room
10:30 am  Endo-perio — or is it perio-end? A classic diagnostic perplexity
          I. B. BENCER, DDS, Albert Einstein Medical Center
11:15 am  Periradicular pathology: what's been going on at the apex all these years?
          MAHMOUD TORABINEJAD, DMD, MSD, Loma Linda University
12 Noon  Luncheon — Independence Room
1:15 pm  The proverbial "endodontic flare-up": just how far have we come?
          SAMUEL SELTZER, DDS, Temple University
2:00 pm  The hollow tube theory: why do we really fill the root canal?
          CALVIN D. TORNECK, DDS, MS, University of Toronto
2:45 pm  Coffee Break — Independence Room
3:00 pm  Termination of root canal fillings: what is the correct formula for vital and non-vital pulps?
          KAARE LANGELEAND, DDS, PhD, University of Connecticut Health Center
3:45 pm  One-visit endo: the past, present, and future — no problem!
          SEYMOUR OLLET, DDS, University of Pennsylvania
4:30 pm  Panel Discussion
7:30 pm- 9:30 pm  WELCOME/FELLOWSHIP RECEPTION
              Grand Ballroom

IMPORTANT NOTICE
Be sure to exchange your voucher by 5:00 pm Thursday to reserve a seat for the Essence of Elegance Black & White Ball dinner dance on Saturday. Your cooperation will be appreciated as we cannot extend this deadline.

BADGES MUST BE WORN
AT ALL OFFICIAL AAE FUNCTIONS
THURSDAY MORNING, APRIL 17

8:00 am-6:00 pm  REGISTRATION
Constitution Foyer

8:00 am-
OPENING SESSION BREAKFAST
(By ticket only)
Grand Ballroom

KEYNOTE: HERBERT SCHILDER, DDS
President, AAE

10:00 am-
EXHIBITS
6:00 pm
Exhibit Hall/Lower level

BUSINESS SESSION I
Independence Room
Moderator: CHARLES J. CUNNINGHAM, DDS,
Lexington

10:30 am-
Professional trade-off: choice, commitment
and conflict
(For members and spouses)
RARRIF S. GRIFF, MD, Cambridge, MA

Few professionals would attempt to manage their
finances without a personal financial plan and skilled
help, yet seldom do they apply the same care in
developing a personal life plan. For the past twenty
years, Dr. Greiff has been helping professionals and
spouses to balance the competing personal, work,
and family spheres of their lives. Through guided
self-analysis you will learn to step back from these
issues, gain an understanding of how they affect
you, weigh the implications of your own personality,
and begin to take control through a Personal Action
Plan.

SCIENTIFIC SESSION I
Republic Room
Moderator: JAMES W. BYNUM, DDS, MSD,
St. Louis

10:30 am-
Cleansing and shaping of the root canal
system
RICHARD E. WALTON, DMD, MS, Iowa City
Panelists: John I. Ingle, DDS, MSD, Palm Springs;
Howard Martin, DMD, Silver Springs; Herbert
Schilder, DDS, Boston; Franklin S. Weine, DDS,
MSD, Chicago

Cleaning and shaping is probably the most critical
phase of root canal treatment. Unfortunately, both
cleaning and shaping are attempted simultaneously
and with the same instruments and chemicals.
Perhaps the design of these instruments and the
types of chemicals used compromise the clinician's
ability to accomplish either task effectively. A unique
concept, endodontic ultrasonics, promises
technical and biological advances, yet many
questions remain unanswered.

RESEARCH SEMINARS I
Constitution Room
Moderator: MELVIN GOLDMAN, DDS, Boston

GRADUATE SECTION

10:30 am  Efficacy of three commonly used anesthetics
in human IAN block
STEWARD A. HINKLEY*, DDS, MS; ALFRED W.
READER, DDS, MS; F. MICHAEL BECK, DDS, MA;
WILLIAM J. MEYERS, DMD, ME; Ohio State
University

10:45 am  Efficacy of lidocaine hydrocarbonate in human
IAN block
MICHAEL A. CHANEY*, DDS; ALFRED W.
READER, DDS, MS; F. MICHAEL BECK, DDS, MA;
WILLIAM J. MEYERS, DMD, ME; Ohio State
University

11:00 am  Comparison of inferior alveolar nerve
stimulation and substance P infusion on pulp
blood flow
MIN-TSAI LU*, BDS; JUTTA DORSCHER-KIM, BA;
SYNGUK KIM, DDS, PhD; Columbia University

11:15 am  Neurotoxicity of root canal medicaments
DOUGLAS J. SCHIPPERS*, DDS; ROBERT L.
ELLISON, DDS, MSc; JOHN F. CORCORAN, DDS,
MS; ROBERT M. BRADLEY, MSD, PhD; University
of Michigan

11:30 am  Calcium hydroxide stimulates bone mineraliza-
tion in cultured chick tibiae
HEBERTO M. SALGUEIRO*, DMD; WARREN K.
RAMP, PhD; PHILIP DELIVANIS, DDS; DANIEL B.
GREEN, DDS; University of Louisville

11:45 am  Effects of CW-CO2 laser energy on canal-wall
dentin
DOUGLAS N. DEDERICH*, DDS, MSc; KENNETH
L. ZAKARIASEN, DDS, MS, PhD; JOHN TULLIP,
BSc, PhD; University of Alberta

12 Noon  Blood serum immunology study of patients
with acute alveolar abscesses
YAEI. E. FAILOWICZ-GAYER*, DDS; ALAN J.
NEVINS, DDS; MARIANE FRIER, PhD, MD;
JEROME J. CYMERMAN, DMD; STEVEN P.
LEVINE, DMD; Nassau County Medical Center

12:15 pm  Langerhans cells in apical periodontal cysts:
an immunohistochemical study
JAMES G. CONTOS*, DDS; JOHN F. CORCORAN,
DDS, MS; SANDRA A. L., LA TURNO, DDS, MS;
DANIEL J. CHIEGO, JR., MS, PhD; JOSEPH A.
REGEZI, DDS, MS; University of Michigan

*Presenter

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THURSDAY AFTERNOON, APRIL 17

12:30 pm-1:30 pm  LUNCHEON  On your own

SCIENTIFIC SESSION II
Republic Room
Moderator: CALVIN D. TORNECK, DDS, MS, Toronto

1:45 pm-3:15 pm  Endodontic medicaments and irritants
JOHN W. HARRISON, DMD, MS, Dallas
Panelists: Walter T. Cunningham, DDS, MS, MA, Annapolis, F. James Marshall, DMD, MS, Lake Oswego, OR; Larz S. Spangberg, DDS, PhD, Farmington, CT; George G. Stewart, DDS, Philadelphia

Endodontists are continuing their never-ending search for the ideal chemical agents that may be used in endodontic therapy as irrigants and as intracanal medicaments. This presentation focuses on the scientific evidence resulting from modern research and offers considerations for the practitioner in selecting the chemical agents of choice.

2:00 pm-4:00 pm  LIMITED ATTENDANCE SEMINARS
(Pre-registration required)

LAS 1  Liberty A
Close endodontic encounters of all kinds
DUDLEY H. GLICK, DDS, Beverly Hills

LAS 2  Liberty B
New methods and materials for obturation
ALVIN A. KRAKOW, DDS, Boston

LAS 3  Liberty C
What's new with calcium hydroxide
RAYMOND T. WEBBER, DDS, MS, Gainesville, FL

LAS 4  Liberty D
Perio-endo lesions: a diagnostic dilemma
GARY R. HARTWELL, DDS, MS, Evans, GA

LAS 5  Liberty E
Endodontic burnout
RICHARD C. BURNS, DDS, San Mateo, CA

LAS 6  Liberty G
Endodontics: conventional and surgical solutions
CLIFFORD J. RUDDLE, DDS, Santa Barbara

RESEARCH SEMINARS II
Constitution Room
Moderator: MAHMOUD TORABINEJAD, DMD, MSD, Loma Linda

2:00 pm  Intradental axons
G. REX HOLLAND*, BDS, PhD, University of Alberta

2:15 pm  The incidence of postoperative pain in endodontic therapy
HANS GENET*, DDS, PAUL R. WESSELINK, DDS; S. K. THODEN VAN VELZEN, DDS; Academic Centre for Dentistry, Amsterdam

2:30 pm  Factors determining the incidence of postoperative pain in endodontic therapy
PAUL R. WESSELINK*, DDS; HANS GENET, DDS; S. K. THODEN VAN VELZEN, DDS; Academic Centre for Dentistry, Amsterdam

2:45 pm  The effect of the smeared layer on microleakage of prepared teeth
MELVIN GOLDMAN*, DDS; WERAWAT SATAYANURUG, DDS; ERIKO SAKURAI-FUSE, DDS; Tufts University

3:00 pm  Electrochemical evaluation of four different root canal sealers for microleakage
GREGORY C. HAASCH*, DDS; TENNYSON J. LOMMEL, DDS, MS; HAROLD GERSTEIN, DDS; MICHAEL RYAN, MS, PhD; Marquette University

3:15 pm  An evaluation of coronal microleakage in endodontically treated teeth
SANDRA MADISON*, DDS, MS and KIMBERLY SWANSON, BS; University of Iowa

3:30 pm  Leakage of root fillings using sealers based on calcium hydroxide
T. R. PITT-FORD*, BDS, PhD, UMDS; Guys Hospital, London

3:45 pm  Apical leakage associated with lased and unlased apical plugs
KENNETH L. ZAKARIASSEN*, DDS, MS, PhD; MICHAEL McMURRAY; S. PATTERSON; DOUGLAS N. DEDERICH, DDS, MSc; JOHN TULIP; BS, PhD; University of Alberta

*Presenter
BUSINESS SESSION II
Independence Room
Moderator: CHARLES J. CUNNINGHAM, DDS, Lexington

2:00 pm - 5:00 pm
The impact of tax reform proposals and new tax legislation on the practitioner
(For members and spouses)
P. MICHAEL DAVIS, PhD, JD, LL.M, Lexington, KY

A look at current proposals for reforming the Federal Income Tax system with a view toward their impact upon the professional. Business and personal tax planning will be discussed, and the effects of recent legislation will be considered.

SCIENTIFIC SESSION III
Republican Room
Moderator: HARRY BLECHMAN, DDS, MA, New York

3:30 pm - 5:00 pm
Microbiological considerations in endodontics
CHARLES B. SABISTON, JR., DDS, PhD, Iowa City
Panelists: Gunnar Bengenbriel, DDS, PhD, Chapel Hill; Michael B. Griffen, DDS, MSD, South Bend, IN; Robert J. Malusow, DMD, MS, Concord, MA; Samuel Seltzer, DDS, Philadelphia

A consideration of taxonomic problems in the critical interpretation of bacteriological data as a preface to a review of the literature on dentalpyogenic infections. The critical nature of the review will focus on the question “What do microbiological studies mean to endodontic practice?”

4:30 pm - 5:30 pm
AADS Section Meeting
Constitution Room

MEETING OF STATE ENDODONTIC AFFILIATES
is scheduled on Friday, 2:00-5:00 pm, in Beacon Room A.

IMPORTANT NOTICE
Be sure to exchange your voucher by 5:00 pm Thursday to reserve a seat for the Essence of Elegance Black & White Ball dinner dance on Saturday. Your cooperation will be appreciated as we cannot extend this deadline.

NEED A BREAK?
Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area (Exhibit Hall) on Thursday and Friday, 10:30 am-noon and 2:30 pm-4:00 pm.

CASSETTE TAPES OF SCIENTIFIC SESSIONS are available from American Audio Association in the Republic Foyer.

NO SMOKING
For the comfort of others, no smoking is permitted in the meeting rooms.
FRIDAY MORNING, APRIL 18

5:45 am  FUN RUN  (Pre-registration required. Participants will depart from main entrance of Sheraton-Boston Hotel)

REGISTRATION
8:00 am-  Constitution Foyer
6:00 pm

CONTINENTAL BREAKFAST  (By ticket only)
8:00 am-  Exhibit Hall
8:45 am

EXHIBITS
8:00 am-  Exhibit Hall/Lower level
5:00 pm

SCIENTIFIC SESSION IV
Republic Room
Moderator: MICHAEL A. HEUER, DDS, MS, Chicago

9:00 am-  Root canal filling materials
10:30 am
ROBERT J. ROSENBERG, DDS, DScD, Greenbrae, CA
Panelists: Melvin Goldman, DDS, Boston; Carl W. Newton, DDS, MSD Indianapolis; Seymour Ollet, DDS, Philadelphia; Marshall D. Peikoff, DMD, MScD, Winnipeg

A discussion of the properties of currently used root canal filling materials, such as gutta-percha and root canal sealers, that render them clinically useful. Also discussed will be limitations of these materials and areas where improvement is needed — either in currently used materials or in guidelines for the development of new materials.

LIMITED ATTENDANCE SEMINARS
(Pre-registration required)

LAS 7  Liberty A
A complete review of the endodontic lesion
ALAN J. NEVINS, DDS, East Meadow, NY

LAS 8  Liberty B
Periodontal considerations in endodontic surgery
PAUL MICHAELIDES, DDS, MScD, Fresno, CA

LAS 9  Liberty C
"Bacteria busters" — a clinical update on efficient office organization and instrument sterilization
ROBERT E. AVERBACH, DDS, Denver

LAS 10  Liberty D
Retreatment of endodontic failures
BRUCE H. SEIDBERG, DDS, MScD, Syracuse, NY

LAS 11  Liberty E
Correlation of histopathologic and radiographic features of radiolucent and radiopaque periradicular lesions
EDMUND CATALDO, DDS, MS, Boston

LAS 12  Liberty G
Current concepts in the management of orofacial odontogenic infections
ANTHONY D. GOODMAN, DDS, MScD, Los Angeles

BUSINESS SESSION III
Independence Room
Moderator: DONALD D. ANTRIM, DDS, MS, MA, Bethesda

9:00 am-  Treating substance abuse patients
12 Noon
(For members and spouses)
HERBERT R. HEDGE, DDS, Ottumwa, IA

This scientific discussion of alcoholism/addiction will focus upon the early, middle and late disease stages. Awareness and communication are essential to properly handle active and arrested addiction in the daily endodontic practice. Improper medication threatens the lives of recovering patients and legal and ethical ramifications demand awareness. Also included will be an overview of the professional addiction problem.

COMPUTER LECTURE
Commonwealth Room
Moderator: CARL L. TINKELMAN, DMD, Philadelphia

9:00 am-  Automated endodontics
12 Noon
GERALD C. DIETZ, DDS, MS, Birmingham, MI

This lecture is designed to explore the possibilities and explain the benefits of an automated endodontic office. Background information on choosing a computer and software package will also be presented.
RESEARCH SEMINARS III
Constitution Room
Moderator: RICHARD E. WALTON, DMD, MS
Iowa City

GRADUATE SECTION

9:00 am In vivo solubility of calcium hydroxide-containing root canal sealers
MICHAEL D. FLAX*, DDS; FREDERIC BARNETT, DMD; LEIF TRONSTAD, DMD, PhD; University of Pennsylvania

9:15 am Bacteriologic status of the root canal after disinfection with a quaternary ammonium compound in a controlled release delivery system
DANIEL R. KRESHTOOL*, DDS; FREDERIC BARNETT, DMD; MARTIN TROPE, BDS; LEIF TRONSTAD, DMD, PhD; University of Pennsylvania

9:30 am Tissue response to a quaternary ammonium compound in a controlled release vehicle
WANDA GORDON*, DMD; FREDERIC BARNETT, DMD; MARTIN TROPE, BDS; LEIF TRONSTAD, DMD, PhD; University of Pennsylvania

9:45 am In vitro study comparing marginal leakage of different ZOE mixes
DENNIS J. ZENT*, DDS, MSD; MARJORIE SWARTZ, MS; CARL W. NEWTON, DDS, MSD; MICHAEL COCHRAN, DDS, MSD; KENNETH J. SPOLNIK, DDS, MSD; SUSAN ZUNT, DDS, MSD; Indiana University

10:00 am A spectrophotometric analysis of dentinal leakage in the resected root
WESLEY R. ICHESCO*, DDS; ROBERT L. ELLISON, DDS MSc; JOHN F. CORCORAN, DDS, MS; DANIEL R. KRAUSE, MS; University of Michigan

10:15 am Optimum placement of electrode in pulp testing the anterior teeth
SARA FONSECA-CENIZA*, DDS; MICHAEL A. LANDAU, DMD; I. B. BENDER, DDS; Albert Einstein Medical Center

10:30 am Irrigation patterns of ultrasonic diamond-coated files
RANDALL J. JOHNSON*, DDS, KEITH V. KRELL, DDS, MS, MA; University of Iowa

10:45 am Efficacy of the step-back versus a step-back/ultrasonic technique
RAYMOND LEV*, DDS, MS; ALFRED W. READER, DDS, MS; F. MICHAEL BECK, DDS, MA; WILLIAM J. MEYERS, DMD, MEd; RUDY MELFI, DDS, PhD; Ohio State University

11:00 am In vitro toxicity of cavity varnish
DAVID J. PARKINS*, BDS; JOHN W. HARRISON, DMD, MS; JOHN M. COTMORE, DMD, Baylor College of Dentistry

11:15 am Rat connective tissue response to RC-2B and RC-2B without corticosteroid
KENNETH C. DENARDO*, DMD, MSD; CARL W. NEWTON, DDS, MSD; SAMUEL S. PATTERSON, DDS, MSD; ABDUL EL-KAFRAWY, DDS, PhD; LAWRENCE GOLDBLATT, DDS, MSD; SIMON KATZ, DDS, PhD; Indiana University

11:30 am Preoperative use of ibuprofen to prevent postoperative endodontic pain
TIMOTHY M. GABE*, DMD; MELVIN GOLDMAN, DDS; WILLIAM TOLSON, DDS; ERNEST CLARK, PhD; Tufts University

11:45 am Non-steroidal drug: effect of prophylactic administration on post-treatment pain
DARLENE C. MELTON*, BA; KAREN BAKER, MS, PhD; RICHARD E. WALTON, DMD, MS; University of Iowa

SCIENTIFIC SESSION V
Republic Room
Moderator: ALVIN A. KRAKOW, DDS, Boston

10:30 am-12 Noon Root canal filling techniques
NOAH CHINIAN, DDS, West Orange, NJ
Panelists: Roger T. Czarnecki, DDS, Buffalo; M. Lamar Hicks, DDS, MS, Rockville, MD; Milton Siskin, DDS, Memphis; Robert A. Uchin, DDS, Fort Lauderdale

Sealing the canal system is the culmination of the treatment sequence that is required for successful root canal therapy. What are the materials and techniques used to accomplish this goal? A survey of the graduate endodontic programs in North America provided the answers and is the basis for this presentation.

*Presenter
FRIDAY AFTERNOON, APRIL 18

12 Noon

LUNCHEON
(By ticket only)
Grand Ballroom
Speaker: DR. WESLEY RANDALL, FDS, RCS
Professor and Chairman
Dept. of Conservative Dental Surgery
Guy's Hospital Dental School, London
Consultant to Nat'l. Institute of Health

1:45 pm

SCIENTIFIC SESSION VI
Republic Room
Moderator: STEPHEN F. SCHWARTZ, DDS, MS, Houston

1:45 pm

Restoration of endodontically treated teeth
DAVID J. BARABAN, DMD, Boston
Panelists: William E. Bernier, DDS, MA, Falls Church, VA; Alfred L. Frank, DDS, Los Angeles; Bruce J. Kramper, DDS, MS, Schaumburg, IL; Herbert F. Spassier, DDS, New York

The increasing number of teeth being saved by endodontitis has created an increase in the need for proper restoration of these teeth. The methods and techniques of restoration, as well as their advantages and shortcomings, will be discussed and amply illustrated in this seminar.

2:00 pm

LIMITED ATTENDANCE SEMINARS
(Pre-registration required)

LAS 13 Liberty A
Endodontic mishaps
LEIF K. BAKLAND, DDS, Loma Linda, CA

LAS 14 Liberty B
Evaluation of new endodontic debridement and obturation devices
KAARE LANGELED, DDS, PhD, Farmington, CT

LAS 15 Liberty C
Root canal anatomy: development, variation and clinical considerations
MICHAEL J. SCIANAMBLO, DDS, San Rafael, CA

LAS 16 Liberty D
Combined periodontic and endodontic lesions: an evaluation of the problem
HENRY M. GOLDMAN, DMD, Brookline, MA

LAS 17 Liberty E
The thermomechanical properties of gutta-percha
ALVIN S. GOODMAN, DDS, MScD, Winston-Salem, NC

LAS 18 Liberty G
Bleaching discolored teeth
NGUYEN T. NGUYEN, DDS, San Francisco

RESEARCH SEMINARS IV
Constitution Room
Moderator: SYNGCUK KIM, DDS, PhD, New York

2:00 pm

Anaerobic bacteria in periapical lesions of human teeth
FREDERICK BARNETT*, DMD; LEIF TRONSTAD, DMD, PhD; MICHAEL D. FLAX, DDS; JORGEN SLOT, DDS, PhD; University of Pennsylvania

2:15 pm

Microbiological assessment of ultrasonics in root canal therapy
DONALD M. COLLINSON*, DDS; KENNETH L. ZAKARIASEN, DDS, MS, PhD; M. A. PICKARD, PhD, University of Alberta

2:30 pm

Cytologic methods in differential diagnosis of chronic periapical lesions
VERA COKLIKA*, DDS, DSc; DORA NAJZAR-FLEGER, DDS, DSc; INGA CEREPINKO, MD, DSc; University of Zagreb, Yugoslavia

2:45 pm

Periapical healing patterns following extrusions of endodontically treated roots
KATSUKEI MORI*, DDS; KUNIUOSHI IJIMA, DDS; Tokyo, Japan

3:00 pm

In vitro testing of three types of endodontic medicaments against anaerobic bacteria
LARRY E. QUACKENBUSH*, DDS, MS, PhD; University of Hong Kong
3:15 pm  Dark field microscopy as a diagnostic aid in differentiating endodontic and periodontic abscesses
MARTIN TROPE*, BDS, DMD; EDWARD ROSENBERG, DMD; LEIF TRONSTAD, DMD, PhD; University of Pennsylvania

2:00 pm-5:00 pm

LECTURE PRESENTATION
Independence Room
Moderator: JOSEPH I. TENCA, DDS, Boston

The facts and myths of the process of board certification
AMERICAN BOARD of ENDODONTICS, Board of Directors

A program for graduate students, Board-eligible endodontists, educationally qualified endodontists and program directors. It will provide an informative review of the functions and philosophy of the ABE and the steps involved in the certification process. A question and answer session will be included.

3:30 pm  Endodontic instrument cutting efficiency comparison of the tip and flutes
LEO J. MISERENDINO*, DDS, MS; J. B. MOSER, PhD; MICHAEL A. HEUER, DDS, MS; EDWARD M. OSETEK, DDS, MA; Northwestern University

3:45 pm  The reliability of the radiograph in determining root filling quality
HENK W. KERSTEN*, DDS; PAUL R. WESSELINK, DDS; S. K. THODEN VANVELZEN, DDS; Academic Centre for Dentistry, Amsterdam

4:00 pm  An evaluation of zerowisographs and radiographs in endodontics
RAHMAT A. BARKHORDAR*, DMD; RONALD J. NICHOLSON, DDS; NGUYEN T. NGUYEN, DDS; University of California

4:15 pm  Histopathologic and histobacteriologic study of endodontic failure
LOUIS M. LIN*, DMD, PhD; JOSEPH E. SKRIBNER, DDS, UMDNJ/New Jersey Dental School; ELIZEU A. PASCON, DDS, MSD; KAARE LANGE LAARSD, DDS, PhD, University of Connecticut

4:30 pm  Restoration of cervical external root resorption using dentin bonding
KEITH V. KREILL*, DDS, MS, MA; MARK E. JENSEN, DDS, MS, PhD, University of Iowa

4:45 pm  Secondary dentin formation in response to caries
OMAR FAHIM*, BDS, PhD, University of Cairo; HAROLD H. MESSER, MDSc, PhD, University of Minnesota

*Presenter

3:30 pm-5:00 pm

SCIENTIFIC SESSION VII
Republic Room
Moderator: DJDELEY H. GLICK, DDS, Beverly Hills

Endodontic surgery and intentional replantation
DONALD E. ARENS, DDS, MSD, Indianapolis
Panelists: James L. Guilmann, DDS, Dallas; Ronald R. Lemon, DMD, New Orleans; Alan J. Novins, DDS, East Meadow, NY; W. Paul Radman, DDS, Dallas

Demands by the consumer to save teeth regardless of difficulty, and the increased number of misdiagnosed, managed and mistreated cases, is forcing the endodontist to treat teeth in a non-conventional manner. Such extension of therapy demands that the practicing endodontist be proficient in aseptic, precise, conservative surgical principles. He/she must hone his/her ability and be capable of operating in areas once considered the realm of the oral surgeon. Today’s ever-increasing surgical scope includes the removal of large pathologic lesions regardless of their arch location, reverse and lateral wall repairs, herniations, and intentional replantations. The state of the art endodontic surgery is relativelyatraumatic, has few contraindications and success that is highly predictable.
SATURDAY MORNING, APRIL 19

8:00 am - 8:45 am  CONTINENTAL BREAKFAST
(By ticket only)
Exhibit Hall

8:00 am - 12 Noon  EXHIBITS
Exhibit Hall/ Lower level

SCIENTIFIC SESSION VIII
Republic Room
Moderator: LEO BOTWINICK, DDS, New York

9:00 am - 12 Noon  Management of the medically compromised patient
JAMES W. LITTLE, DMD, MS, Minneapolis
Panelists: Steve Montgomery, DDS, San Antonio;
William Clem, DDS, MS, Baltimore; I. B. Bender,
DDS, Philadelphia; Jacob B. Freedland, DDS,
Charlotte, NC

A review of the events that led to the use of prophylactic antibiotics for the prevention of
tubercular endocarditis in susceptible dental patients.
The various recommendations (seven) of the
American Heart Association for the prevention of
tubercular endocarditis will be reviewed. Current
dental management of the patient susceptible to
tubercular endocarditis will be covered in detail and a
projection of how this area may change in the near
future will be presented. All emphasis will be included on future risk factors that may
include patients with joint replacements, renal
transplants, cancer chemotherapy and AIDS.

SCIENTIFIC SESSION IX
Constitution Room
Moderator: CHARLES J. CUNNINGHAM, DDS,
Lexington

9:00 am - 10:00 am  Endodontics and the law
STEPHEN COHEN, DDS, MA, San Francisco

Why is endodontic therapy becoming one of the
most frequent causes for medical malpractice allegations?
This presentation will cover the most common
reasons as well as ways and means for the
dermatologist to minimize the risk of potential
tubercular malpractice claims.

10:00 am - 11:00 am  The acute endodontic cellulitis phenomenon:
biologic and clinical aspects
ROBERT J. MATUSOW, DMD, MS, Concord, MA

Medical and dental areas are becoming
increasingly concerned with infections due to micro-
organisms indigenous to the host. Viruses, once
considered saprophytic and of low virulence, are
now pathogenic. The acute endodontic cellulitis
phenomenon will be presented with microbial
etiology, diagnostic and therapeutic aspects, and
the histopathology of primate cellulitis.

11:00 am - 12 Noon  Long term studies in detection and treatment
of vertical root fractures
GEORGE G. STEWART, DDS, Philadelphia

Vertical root fractures can frequently be detected
long before they become evident in the X-ray film.
Suggestions will be presented to identify these
fractures, as well as to help prevent them. Various
methods of treatment and new evidence of healing
these fractures via bonding and/or induced root
repair techniques will be presented.

9:00 am - 12 Noon  POSTER CLINICS
Exhibit Hall/ Lower level

PC 1  Double blind study comparing Motrin and
aspirin
ANTHONY C. CARBAJAL, DDS, MS, Grand Blanc,
MI

PC 2  Calcium phosphate cement as a root canal
filling material
AIDA A. CHO-HAYE, DDS, MS, Detroit, MI

PC 3  Canal morphology alterations after ultrasonic,
sonic, mechanical, and hand instrumentation
DONALD M. COLLINS, DDE, Edmonton,
Alberta, Canada

PC 4  Medical problems complicating endodontic
treatment — the medically compromised
endodontic patient
ROBERT L. ELLISON, DDS, MS, Detroit

PC 5  Oral tissue reactions to synthetic suture
materials
RICHARD J. GARDNER, DDS, MS, Farmington
Hills, MI

PC 6  Antimicrobial efficacy of endodontic
medicaments and irrigants on anaerobic
bacteria
NORMAN L. HOLLOWAY, DDS, MS, Bradenton, FL
JOHN F. CORCORAN, DDS, MS, Ann Arbor, MI

PC 7  A comparison of two methods of instrumenting
curved canals
ERIKO SAKURAI-FUSE, DDS and MELVYN
GOLDMAN, DDS, Boston

PC 8  Correlation of open dentinal tubule areas at
different canal levels
DAVID SCOTT, DDS, MSc, Edmonton, Alberta,
Canada

PC 9  Sterilization of the root canal by CO2 laser
radiation
KENNETH L. ZAKARIASEN, DDS, MS, PhD,
Edmonton, Alberta, Canada

GRADUATE STUDENT SECTION

PC 10  The pie-shaped root resection
JACK H. BAUR, JR., DDS, and FRANK S.
BALABAN, DDS, West Virginia University
PC 11  The effects of surface active agents on hypochlorite
ROBERT LECLERC, DMD, and ROBERT M.
KAUFMANN, DMD, Boston University

PC 12  Leakage evaluation of various retrograde
techniques including a dentine bonding system
NEVILLE J. MCDONALD, DDS and THOMAS C.
DUMSHA, DDS, MS, University of Maryland

PC 13  The effects of endodontic therapy on dentin-
bonded composites
HENRY EDWARD PARIS, JR., DDS, and MARY
RINGLER, DMD, MA, PhD, Medical College of
Georgia

PC 14  Mandibular premolar access openings: their
relationship to pulp morphology
LISA R. WILCOX, DDS, MA and
RICHARD E. WALTON, DMD, MS, University of Iowa

PC 15  Electric anesthesia
CAROL A. MCCALL, DDS, Tufts University

9:00 am-
12 Noon  TABLE CLINICS
Exhibit Hall/Lower level

TC 1  The main problems with endodontic
instrumentation
SERGIO DUIILO, DMD, Genova, Italy

TC 2  A practical alternative to surgical root canal
therapy
WAYNE V. HOTZAKORGIAN, DDS, MS, Fresno,
CA

TC 3  Root canal filling by using gutta percha
subsonic plungers
JEAN-MARIE LAURICHESSE, DDS, and GERARD
ARMANDOU, DDS, Paris, France

TC 4  A method for reproducibly positioning the x-ray
film during endodontic procedures
LEO J. MISERENDINO, DDS, MS, Waukegan, IL

TC 5  Ledges: causes and cures
JERRY F. TAINTON, DDS, MS, Sherman Oaks, CA

TC 6  Economical autoclavable trays
MANUEL I. WEISMAN, DDS, Augusta

TC 7  Four new cemento-bonding techniques of
tooth-core to internal bonderized crown
surfaces. Increased retention; reduced
microleakage
ROBERT V. WEISSMAN, DDS, Fairlawn, NJ

TC 8  A computerized bibliography for advanced
education programs in endodontics
NAthanIEL M. WEST, DDS, and R. NEIL DODDS,
DDS, Richmond, VA

TC 9  Endo systems: the shape of things to come
BARRY SINGERMAN, DMD, MSD, Scarborough,
Ontario, Canada

TC 10  Mandibular block: Gow-Gates and Akinosi
techniques
RAHELE F. REZAI, DMD, MA, Washington, DC

GRADUATE STUDENT SECTION

TC 11  Lymph node examination of the head and neck
JOHN A. BERUDE, DDS, and CHARLES E.
JEROME, DDS, MA, Naval Dental School

TC 12  Stereoscopic radiography
RICHARD BLACKMAN, DDS, and JAMES T.
RUSSIN, DDS, Temple University

TC 13  Emergency treatment of endodontic patients
MELVIN BONER, DDS, and ABRAHAM M.
PRETORIUS, BCHD, Boston University

TC 14  The relationship of apical obturation level to
the anatomic apex
CHRIS W. CARRINGTON, DDS, and SAAD A. AL-
NAZHAN, DDS, University of Connecticut Health
Center

TC 15  Trivial pursuits, master's edition: endodontics
CELIA M. CHAPMAN, DDS, Ohio State University

TC 16  Anaerobic culturing for endodontic infections
MARIÓN C. ELDREDGE, DMD, and JAN M.
LACOMBE, DMD, Naval Dental School

TC 17  A comparison of vibratory endodontic
instruments
DENNIS R. GIMLIN, DDS, and SHELDON R. MANN,
DDS, Wilford Hall USAF Medical Center

TC 18  Endodontic literature at your fingertip
STEVEN S. LARSEN, DDS, Northwestern University

TC 19  Cervical root resorption — diagnosis and
therapy
LAURENCE C. LEFF, DMD, University of
Pennsylvania

TC 20  Geriatric endodontics
SCOTT W. MORRISON, DDS, and KAREN R.
PANETZ, DDS, Indiana University School of
Dentistry

TC 21  Strengthening and restoration of immature
teeth with an acid-etch resin technique
GEOFFREY RABIE, BDS, University of
Pennsylvania

TC 22  Intentional replantation: an innovative surgical
approach
MICHELE A. REYNOLDS, DDS, and SANDRA
MADISON, DDS, MS, University of Iowa

TC 23  Bacteriologic sampling in clinical endodontic
practice
KENNETH T. RISO, DMD, University of
Pennsylvania

TC 24  Endosonics: the advantage in endodontics
DAVID E. STAMOS, DDS, and MICHAEL L.
SCUETERI, DDS, Marquette University

TC 25  Extended clinical applications of hemostatic
agents
HARMEET WALIA, BDS, MDS, and JOHN T.
STREIFF, DDS, MS, Marquette University

TC 26  Vertical root fracture
RAHIMAT A. BANKHORDAR, DMD and NGUYEN T.
NGUYEN, DDS, San Francisco
SATURDAY AFTERNOON, APRIL 19

12 Noon-2:00 pm
EDGAR D. COOLIDGE LUNCHEON
(By ticket only)
Grand Ballroom
Speaker: JOHN R. SILBER, PhD
President, Boston University

2:30 pm-5:00 pm
GENERAL ASSEMBLY MEETING
Republic Room

6:30 pm-7:30 pm
PAST PRESIDENTS' RECEPTION
Constitution Room & Constitution Foyer

7:30 pm-Midnight
DINNER DANCE
"Essence of Elegance"
Grand Ballroom

SUNDAY, APRIL 20

8:00 am-8:45 am
CONTINENTAL BREAKFAST
(By ticket only)
Grand Ballroom

8:00 am-12 Noon
AAE BOARD OF DIRECTORS MEETING
Gardner Room

SCIENTIFIC SESSION X
Independence Room
Moderator: JAMES H. SIMON, DDS, Tustin, CA

9:00 am-10:30 am
Posts and cores: what you learned is wrong
ALLAN S. DEUTSCH, DMD, New York
BARRY LEE MUSIKANT, DMD, New York

Posts fail because of loosening of the post, fracture of the root by the post, and fracture of the post. This presentation will show how traditional concepts of post fabrication allow these failures to occur. A new post design that overcomes these failures and allows a much higher success rate will be discussed.

10:30 am-11:30 am
Orthodontic extrusion of endodontically treated teeth
KATSUEI MORI, DDS, Tokyo, Japan

This presentation will include the rationale and technical problems associated with cases of orthodontic extrusion of endodontically treated teeth, and the resolution of related periapical pathosis. Also, periodontally involved case analysis will be presented in depth.

BUSINESS SESSION IV
Republic B
Moderator: MARK E. LEVINE, DMD, Denver

9:00 am-12 Noon
The American way of life does not need to be hazardous to your health
(For members and spouses)
HANS DEHL, MA, PhD, Loma Linda, CA

Americans have worked hard over the past century to build a good life, but now the good life works against us. Affluence-related health habits coupled with the pressures of modern life often result in cardiovascular disease, diabetes, hypertension and other chronic ailments. Until recently Americans have depended on drugs to treat these diseases. Now, there is a better way to prevent and reverse disease. By adapting the practical concepts of "lifestyle Medicine," Dr. Dehl will teach you how to increase your energy and productivity and improve your health and quality of life.

AAE COMMITTEE MEETINGS

Thursday, April 17, 12 Noon-1:30 pm
Dental Care and Clinical Practice ................................................. Beacon E
Education ....................................................................................... Beacon B
Honors and Awards ....................................................................... Beacon A
International Relations and International Federation of Endodontic Associations (12 Noon-4:30 pm) Gardner A & B
Public and Professional Affairs ...................................................... Beacon C

Friday, April 18, 7:30-9:00 am
Editorial Board .............................................................................. Beacon G
Federal Dental Health Services ...................................................... Beacon E
Membership .................................................................................. Beacon C
New Members' Breakfast ............................................................. Fairfax
Research ......................................................................................... Beacon B

Saturday, April 19, 7:30-9:00 am
Member Services ............................................................................ Beacon B
Advanced Practice Systems, Inc. (Booth #50) 5555 Oakbrook Parkway, Suite 660 Norcross, GA 30093

Armament/American Medical & Dental Corp. (Booth #21) P.O. Box 733 Cherry Hill, NJ 08003

Analytic Technology Corp. (Booth #35) 3301 181st Place NE Redmond, WA 98052

Becker-Parkin Dental Supplies (Booth #32) 245 7th Avenue New York, NY 10001

Block Drug Company, Inc. (Booths #38, 39, 40) 105 Academy Street Jersey City, NJ 07302

Brasseler USA, Inc. (Booth #4) 800 King George Blvd. Savannah, GA 31419

L. D. Cauk Company (Booths #58, 59, 60) P.O. Box 359 Milford, DE 19963

Fl. Chige, Inc. (Booth #20) 475 West Merrick Road Valley Stream, NY 11580

Columbus Dental (Booth #45) 1000 Chouteau Avenue P.O. Box 260 St. Louis, MO 63188

Crawford Film Holder Company (Booth #55) 2009 Hulen Street Suite 201 Fort Worth, TX 76107

Dental Consultants, Inc. (Booths #47, 48) P.O. Box 9046 Pittsburgh, PA 15224

Dental Products Group International (Booth #51) 15 West 17th Street New York, NY 10011

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Dryvane Radiographics (Booth #19) 141 Union Street Gilberts, IL 60136

Essential Dental Systems (Booth #7) 119 West 57th Street New York, NY 10019

Healthco International, Inc. (Booth #16) 25 Stuart Street Boston, MA 02116

Hi-Tech Co. (Booth #15) 2315 "E" Street Bakersfield, CA 93301

Hi-Friesly Mfg. Co., Inc. (Booth #37) 3232 North Rockwell Street Chicago, IL 60618

Hygienic Corp. (Booths #23, 24) 1245 Home Avenue Akron, OH 44310

Impact Marketing Group (Booth #5) 13106 Overbrook Lane Bowie, MD 20715

J. S. Dental Mfg. Inc. (Booth #8) 110 Greene Street, Suite 303A New York, NY 10012

Kerr Sybron (Booth #64) 28200 Wick Road Romulus, MI 48174

Kidore International, Inc. (Booth #3) 36 West Pearl Street Coldwater, MI 49036

Knoll Pharmaceutical Company (Booth #33) 30 North Jefferson Road Whippany, NJ 07981

Lea & Feiger (Booth #9) 600 South Washington Square Philadelphia, PA 19106

M & D International Enterprises, Inc. (Booth #61) 517 Maple Avenue P.O. Box 1294 Carpinera, CA 93013

Medcidents International, Inc. (Booth #30) 39-23 62nd Street Woodside, NY 11377

Microscopy (Booth #29) 1174 Tourmaline Drive P.O. Box 977 Newbury Park CA 91320

C. V. Mosby Company (Booth #62) 11830 Westline Ind. Drive St. Louis, MO 63146

Nephron Corporation-Dental Div. (Booth #17) 3319 Pacific Avenue Tacoma, WA 98408

Osada Electric Co., Inc. (Booth #14) 8242 West 3rd Street, #150 Los Angeles, CA 90048

Patterson Dental Company (Booth #46) 1100 East 80th Street Minneapolis, MN 55420

Penn-Med/Eagle Dental, Inc. (Booth #34) P.O. Box 1397 Bryn Mawr, PA 19010

Premier Dental Products Co. (Booth #25) 1710 Romano Drive P.O. Box 111 Norristown, PA 19404

Pulpdent Corporation of America (Booth #52) 75 Boylston Street Brookline, MA 02147

Quality Aspirators (Booth #36) 1002 Dove Creek Duncanville, TX 75116

Quintessence Publishing Co. (Booth #2) 8 South Michigan Avenue, Suite 2901 Chicago, IL 60603

Rayden Dental Products, Inc. (Booth #9) 508 Heath Row Milton, DE 19963

Charles B. Schwed Company, Inc. (Booth #1) 138 Audley Street New Garden, NY 11418

Societe Endo Technic (S.E.T.)(Booths #56, 57) 6 travers de Huesards Marseilles, France 13005

Star Dental/Syntex Dental Products (Booth #26) P.O. Box 896 Valley Forge, PA 19482

Tineran & Heisel, Inc. (Republic Foyer) 401 First Federal Plaza New Castle, PA 16101

Union Beach/A Health-Chem Co. (Booths #41, 42, 43, 44) 1107 Broadway New York, NY 10010

Unitek Corporation (Booths #27, 28) 2724 South Peck Road Monrovia, CA 91016

US Army Professional Support Agency (Booth #54) 1900 Half Street, S.W. Washington, D.C. 20324

Waledent International (Booth #18) 236 Fifth Avenue New York, NY 10010

Whitehall Laboratories (Booth #31) 685 3rd Avenue New York, NY 10017

Xerox Medical Systems (Booth #63) 125 North Vinedo Street Pasadena, CA 91107

Non-Technical Exhibits
(Republic Foyer)

American Audio Association P.O. Box 511 Floral Park, NY 11002

AAE Career Counseling

AAE Endowment & Memorial Foundation

1987 Annual Session (Booth #22)
DIRECTORS

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F. James Marshall
Edward M. Osetek

PAST PRESIDENTS

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*Deceased

TRUSTEES

AAE ENDOWMENT and MEMORIAL FOUNDATION

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Raleigh R. Cummings
Paul D. Eleazer
Bernard J. Grothaus, President
Alan G. Selbst

1987
Allan H. Cetron
Joel L. Dunskey, Vice-president
James L. Gutmann, Secretary-Treasurer
Joseph M. Leavitt

1988
Joel B. Alexander
Douglas C. Boyd
John B. Holcomb
Marshall D. Peikoff

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**Thursday, April 17**

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<td>Boston University Silver Anniversary Alumni Banquet</td>
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</tr>
<tr>
<td>Northwestern University Alumni Association</td>
<td>Clarendon</td>
</tr>
<tr>
<td>Tufts University Endodontic Alumni Homecoming</td>
<td>Tufts Room, Boston Marriott Hotel/Copley Place</td>
</tr>
<tr>
<td>University of Pennsylvania Alumni Reception</td>
<td>Fairfax</td>
</tr>
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**Friday, April 18**

<table>
<thead>
<tr>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Association of Endodontists</td>
<td>Liberty E</td>
</tr>
<tr>
<td>Graduates of the Univ. of Oregon and Univ. of Ohio</td>
<td>Gardner</td>
</tr>
<tr>
<td>Harry J. Healy Endodontic Study Club</td>
<td>Hampton A</td>
</tr>
<tr>
<td>Iowa Endodontic Group</td>
<td>Dalton</td>
</tr>
<tr>
<td>Michigan Association of Endodontists</td>
<td>Hampton</td>
</tr>
<tr>
<td>Oklahoma Association of Endodontists</td>
<td>Beacon A</td>
</tr>
<tr>
<td>State Affiliate Associations Meeting</td>
<td>Beacon A</td>
</tr>
<tr>
<td>Temple University Endodontic Alumni Association</td>
<td>Beacon A</td>
</tr>
<tr>
<td>University of Michigan Endodontics Alumni Association</td>
<td>Fairfax</td>
</tr>
<tr>
<td>University of Washington Graduate Endodontics Alumni</td>
<td>Berkeley</td>
</tr>
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</table>

**Saturday, April 19**

<table>
<thead>
<tr>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force Endodontic Association</td>
<td>Hampton</td>
</tr>
<tr>
<td>Boston University Endodontic Alumni-Faculty Association</td>
<td>Gardner</td>
</tr>
<tr>
<td>Navy Endodontists</td>
<td>Berkeley</td>
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**AWARD RECIPIENTS**

**Edgar D. Coolidge Award**
- Edgar D. Coolidge: '69
- Harry B. Johnston: '70
- Henry A. Bartels: '71
- Bertram L. Wolfsohn: '74
- Vincent B. Mias: '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

**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

**Ralph F. Sommer Award**
- Calvin D. Torrnek: '84
- Alfred L. Frank: '85

**HONORARY MEMBERS**

- Mary C. Crowley
- Louis I. Grossman
- Maynard K. Hine
- Oscar A. Malsto
- Maury Massier
- Harold R. Stanley
- Henry O. Trowbridge
AAE AUXILIARY

The AAE Auxiliary will maintain a hospitality suite in the Jefferson Room for all registered spouses as follows:
April 17 & 18 — 8:00-11:00 am & 1:00-4:00 pm
April 19 — 8:00-9:00 am & 1:00-4:00 pm

OFFICERS
Mrs. Edwin S. Mehlman (Lesley) .................. President
Mrs. Richard Yamanaka (Sharlene) ............... President-elect
Mrs. Carl Tinkelman (Sydney) .................... Vice-president
Mrs. Sam DeMartino (Terry) ..................... Secretary
Mrs. Victor L. Rakus (Anne) ..................... Treasurer
Mrs. Howard Franikoff (Cheryl) .................. Parliamentarian

WEDNESDAY, APRIL 16
3:30 pm- 5:00 pm Jefferson Room
PRESIDENT'S WELCOME WINE RECEPTION

THURSDAY, APRIL 17
7:30 am- BOARD MEETING
8:45 am Kent Room

SATURDAY, APRIL 19
9:00 am- Fairfax Room
11:15 am Speaker: Jack S. Opinsky, DDS Hartford, CT
“Current legislation in dentistry affecting your husband and you.”
11:30 am- BOARD MEETING
12:30 pm Kent Room

TOURS

THURSDAY, APRIL 17
9:00 am- 12 Noon
Introduction to Boston
1:30 pm- 4:30 pm
Cambridge Revisited

FRIDAY, APRIL 18
9:00 am- 12 Noon
Ether Dome (Limited registration)
10:00 am- 4:00 pm
Mini Boston and Lexington/Concord
1:30 pm- 4:00 pm
Inside the Homes of Beacon Hill

SATURDAY, APRIL 19
9:30 am- 12:30 pm
Kennedy Library
All tour buses will depart from the front of the Sheraton-Boston Hotel on Dalton Street.

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS.

FUTURE ANNUAL SESSION SCHEDULE

44th Annual Session
April 29-May 3, 1987, Hilton & Hyatt Hotels, San Antonio, TX

45th Annual Session
April 20-24, 1988, Anaheim Marriott Hotel, Anaheim, CA
### Condensed Program

**Wednesday, April 16**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am-8:30 am</td>
<td>CEC Registration</td>
<td>Republic Foyer</td>
</tr>
<tr>
<td>8:00 am-5:00 pm</td>
<td>AAE Board of Directors Meeting</td>
<td>Gardner</td>
</tr>
<tr>
<td>8:00 am-6:00 pm</td>
<td>ABE Oral Exams</td>
<td>Beacon A, B, C, H</td>
</tr>
<tr>
<td>8:30 am-4:30 pm</td>
<td>Continuing Education</td>
<td>Republic</td>
</tr>
<tr>
<td>11:00 am-8:00 pm</td>
<td>General Registration</td>
<td>Constitution Foyer</td>
</tr>
<tr>
<td>7:30 pm-9:30 pm</td>
<td>Welcome/Fellowship Reception</td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>

**Thursday, April 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am-10:00 am</td>
<td>Opening Session Breakfast</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>8:00 am-6:00 pm</td>
<td>Registration</td>
<td>Constitution Foyer</td>
</tr>
<tr>
<td>10:00 am-6:00 pm</td>
<td>Exhibits</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>10:30 am-Noon</td>
<td>Scientific Session I</td>
<td>Republic</td>
</tr>
<tr>
<td>10:30 am-12:30 pm</td>
<td>Business Session I</td>
<td>Independence</td>
</tr>
<tr>
<td>1:45 pm-3:15 pm</td>
<td>Research Seminars I</td>
<td>Constitution</td>
</tr>
<tr>
<td>2:00 pm-4:00 pm</td>
<td>Scientific Session II</td>
<td>Republic</td>
</tr>
<tr>
<td>2:00 pm-5:00 pm</td>
<td>Limited Attendance Seminars</td>
<td>Liberty A - G</td>
</tr>
<tr>
<td>3:30 pm-5:00 pm</td>
<td>Scientific Session III</td>
<td>Republic</td>
</tr>
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**Friday, April 18**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am-8:45 am</td>
<td>Continental Breakfast</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>8:00 am-5:00 pm</td>
<td>Exhibits</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>8:00 am-5:00 pm</td>
<td>Registration</td>
<td>Constitution Foyer</td>
</tr>
<tr>
<td>9:00 am-10:30 am</td>
<td>Scientific Session IV</td>
<td>Republic</td>
</tr>
<tr>
<td>9:00 am-11:00 am</td>
<td>Limited Attendance Seminars</td>
<td>Liberty A - G</td>
</tr>
</tbody>
</table>

**Friday, April 18 (continued)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>9:00 am-Noon</td>
<td>Computer Lecture</td>
<td>Commonwealth</td>
</tr>
<tr>
<td>10:30 am-Noon</td>
<td>Business Session III</td>
<td>Independence</td>
</tr>
<tr>
<td>Noon-1:45 pm</td>
<td>Research Seminars III</td>
<td>Constitution</td>
</tr>
<tr>
<td>1:45 pm-3:15 pm</td>
<td>Luncheon</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>2:00 pm-4:00 pm</td>
<td>Scientific Session VI</td>
<td>Republic</td>
</tr>
<tr>
<td>2:00 pm-5:00 pm</td>
<td>Limited Attendance Seminars</td>
<td>Liberty A - G</td>
</tr>
<tr>
<td>3:30 pm-5:00 pm</td>
<td>ABE Lecture-Presentation</td>
<td>Independence</td>
</tr>
<tr>
<td>4:00 pm-5:00 pm</td>
<td>Research Seminar IV</td>
<td>Constitution</td>
</tr>
<tr>
<td>5:00 pm-7:00 pm</td>
<td>Affiliate Associations Mtg.</td>
<td>Beacon A</td>
</tr>
<tr>
<td>7:00 pm-9:00 pm</td>
<td>Scientific Session VII</td>
<td>Republic</td>
</tr>
</tbody>
</table>

**Saturday, April 19**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 am-8:45 am</td>
<td>Continental Breakfast</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>8:00 am-Noon</td>
<td>Exhibits</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>9:00 am-10:30 am</td>
<td>Scientific Session VIII</td>
<td>Republic</td>
</tr>
<tr>
<td>9:00 am-Noon</td>
<td>Scientific Session IX</td>
<td>Constitution</td>
</tr>
<tr>
<td>Noon-2:00 pm</td>
<td>Table Clinics/Poster Clinics</td>
<td>Exhibit Hall</td>
</tr>
<tr>
<td>2:30 pm-5:00 pm</td>
<td>Luncheon</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>7:30 pm-Midnight</td>
<td>General Assembly</td>
<td>Republic</td>
</tr>
<tr>
<td>7:30 pm-Midnight</td>
<td>Dinner Dance</td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>

**Sunday, April 20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am-8:45 am</td>
<td>Continental Breakfast</td>
<td>Grand Ballroom</td>
</tr>
<tr>
<td>8:00 am-Noon</td>
<td>AAE Board of Directors Meeting</td>
<td>Gardner</td>
</tr>
<tr>
<td>9:00 am-11:30 am</td>
<td>Scientific Session X</td>
<td>Independence</td>
</tr>
<tr>
<td>9:00 am-Noon</td>
<td>Business Session IV</td>
<td>Republic B</td>
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Thank you for participating in the 43rd Annual Session. We hope you found the meeting to be both enjoyable and rewarding. See you next year in San Antonio!