BEYOND THE ROOT CANAL —
THE TOTAL PATIENT

38th Annual Session
American Association of Endodontists
Franklin Plaza Hotel
Philadelphia, Pennsylvania
April 29-May 3, 1981
WHERE TO FIND

AAE Officers/Board of Directors ........................................ 2
Annual Session Committees ........................................ 4
Award Recipients ..................................................... 32
Committee Meetings .................................................. 32
Condensed Program .................................................. Centerfold
Exhibitors' List ....................................................... 26
Floor Plan/Meeting Rooms .......................................... Centerfold
General Information .................................................. 5
Participant's Index ................................................... 30
Presidents' Message .................................................. 1
Program Chairman's Welcome ....................................... 3
Program
  Wednesday ......................................................... 8
  Thursday AM ..................................................... 8
  Thursday PM .................................................... 11
  Friday AM ....................................................... 14
  Friday PM ....................................................... 17
  Saturday AM ................................................... 19
  Saturday PM ................................................... 24
  Sunday AM ..................................................... 25
Study Clubs/Alumni Groups ......................................... 32
Spouse/Social Events ............................................... Centerfold
Women's Auxiliary .................................................. 4

INSIDE BACK COVER

  ABE Board of Directors
  E & M Foundation Trustees
  Past Presidents
  Honorary Members
PRESIDENT'S MESSAGE

It is my privilege to welcome you to the 38th Annual Session of the American Association of Endodontists. It has been ten years since we last met in this beautiful and historic city. In the interim, it has grown in beauty, facility and attraction. I am confident that you will thoroughly enjoy your visit.

Philadelphia has long been recognized as a leader in endodontic education and research. Our meeting this year will certainly follow in that same fine tradition.

Our scientific program has been designed to satisfy a broad range of interests of the clinician, researcher and educator in Endodontics. There is an increasing number of patients who are medically compromised. The special problems that these patients present make it imperative that we become thoroughly knowledgeable in their management. Our theme for the meeting, “Beyond the root canal — the total patient,” was selected in order to provide us with the opportunity to broaden and update our biomedical knowledge as it relates to clinical practice.

The non-scientific functions, including the Women’s Auxiliary activities, provide us outstanding social, cultural and entertainment opportunities. If we take advantage of all the opportunities presented at this meeting, it will truly be one of our very best ever.

I wish to express my deepest appreciation to our Program Chairman, Chuck Cunningham, for his tireless efforts in putting together this outstanding program. Only a true friend would have agreed to take on this awesome task. I extend this appreciation to all his committee chairmen and members, especially Carl and Sydney Tinkelman, whose energy and imagination are excelled only by their dedication. They have done all that is possible to make this meeting an outstanding success. The rest is up to you.

Edward M. Osetek, DDS, MA
President
Edward M. Osetek  
President

Henry J. Van Hassel  
President-Elect

Noah Chivian  
Vice-President

Donald E. Arens  
Treasurer

Michael A. Heuer  
Secretary

Irving J. Naidorf  
Editor

**BOARD OF DIRECTORS**

1981  
Charles J. Cunningham  
Gerald C. Dietz  
H. David Prensky

1982  
Duane E. Compton  
James L. Gutmann  
Burton Kunik

1983  
Lester M. Breen  
Bernard J. Grothaus  
Stephen F. Schwartz

**EX OFFICIO MEMBERS**

Immediate past president:  
Student representative:  
Executive Director:  
Paul E. Zeigler  
Alan T. Azar  
Irma S. Kudo (without vote)
WELCOME TO PHILADELPHIA

The 1981 Annual Session of the AAE awaits your participation. A multitude of enthusiastic and aggressive ideas have been blended into this meeting to entice your professional, historical and social appetites.

A preview of the schedule will encourage the individual to formulate a “personalized” experience to maximize his/her commitment to participate. Prominent dental educators will discuss total patient care. Training sessions will arouse the hesitant practitioner to share clinical experiences and research findings by publication and to “speak out” for dentistry and endodontics. The research symposia will tune you to the future, while the clinical essayists and table clinicians concentrate on meaningful “chairside” endodontics of today. Innovative discussion and panel groups have been added to stimulate widespread interaction of ideas. Truly, a “something for everyone” happening.

My personal thanks to the many colleagues responsible for this annual session. The complementary roles of Carl and Sydney Tinkelman must be singled out for special commendations, for the myriad details that make up an annual session were their burden. My special thanks to Ed Osetek for his unquestionable confidence in the program chairman and the local arrangements chairman. My deepest gratitude to Irma Kudo for unfailing guidance, assistance and understanding.

Charles J. Cunningham, DDS
Program Chairman
1981 ANNUAL SESSION COMMITTEES

PROGRAM

Clinical Essays ....................... Richard E. Walton
Endodontic Round-table Seminars ... Manuel I. Weisman, chairman
                                Paul M. Vanek, co-chairman
Exhibits .............................. M. Lamar Hicks, chairman
                                Dot B. Thurston, manager
Research Symposium ................ Melvin Goldman
Scientific Symposium ................ Charles J. Cunningham
Table Clinics ........................ W. Craig Bell
Educational Symposium ............... Duane E. Compton
Printed Program ..................... Irma S. Kudo

GENERAL ARRANGEMENTS

Registration .......................... Allan H. Cetron
                                Norman A. Dinnerman
Banquet .............................. Bernard Evans
Hosts ................................. Louis E. Rossman
                                Alan M. Barnett
Luncheons ............................ Wesley E. Brannick
                                James R. Granite
Audio-Visual ......................... Marvin A. Gross
                                Barry Rhome
Signs .................................. Irving J. Kaufman
Sports & Special Events .......... Robert M. Krauss
                                Lee Meadvin
Reception ............................ Alan Kirsch
Ushers & Monitors .................... Ronald C. Garringer
                                Frederic H. Siegal
Publicity ............................ A. Maxwell Perlisweig
Endodontic Round-table Seminars .. Mitchell Corson
Photographer ......................... Albert C. Goerig

WOMEN'S AUXILIARY COMMITTEE

Local Arrangements .................. Sydney Tinkelman
Registration .......................... Sherry Oliet
                                Ruth Rappaport
Finance ............................... Judie Brannick
Hospitality ........................... Polly Carrico
                                Elaine Evans
                                Goldanna Perlisweig
Tours ................................. Fran Cetron
                                Barbara Corson
Installation Brunch ................... Honey Parris
Sports Program ....................... Valerie Rossman

Tours arranged by Culture Tours
— Barbara Corson and Carol Holtzman

BADGES MUST BE WORN AT
ALL OFFICIAL AAE FUNCTIONS
GENERAL MEETING INFORMATION

AAE Headquarters Office
The Headquarters Office is located in Meeting Room 8 and will be staffed by Central Office personnel – Betty Brown, Maria Oliveros and Laura Cancilla. Office hours are 8:00 a.m. – 5:00 p.m., Wednesday-Saturday, and 8:00 a.m.-12 Noon on Sunday.

Cassette Tape Recordings
Eastern Audio Associates will record many of the sessions. The cassette tapes will be available for purchase at the EAA booth located in the exhibit hall. (Pacific Hall)

Exhibits
The exhibits are located in Pacific Hall.
Exhibit hours are: Thursday 9:00 a.m.-6:00 p.m.
                  Friday 8:00 a.m.-5:00 p.m.
                  Saturday 8:00 a.m.-3:00 p.m.
Members and guests are encouraged to visit the exhibits as often and whenever possible.

Drink Ducats
Ducats must be purchased in advance (at AAE Information Desk) for the Thursday Fellowship Reception at the University Museum. No ducats may be sold in the University Museum.

General Registration
Wednesday 8:00 a.m.-7:00 p.m.
Thursday 8:00 a.m.-5:00 p.m.
Friday 8:00 a.m.-5:00 p.m.
Saturday 8:00 a.m.-2:00 p.m.

AAE Members (after March 25) $150.00 (includes 2 receptions, 2 luncheons, 3 continental breakfasts, one ticket to Dinner Dance)

Non-AAE Member professional $150.00 (scientific session only)
Dental Auxiliary Personnel $ 15.00 (includes 2 receptions)
Student $ 15.00 (includes 2 receptions)
AAE Women’s Auxiliary Member $ 10.00 (includes 2 receptions, 1 continental breakfast, use of hospitality room, souvenir tote bag)

Non-Member Women’s Auxiliary $ 12.50 (includes 2 receptions, 1 continental breakfast, souvenir tote bag)

Endodontic Roundtable Seminar Information Desk
To pick up tickets reserved in advance, or to register for an open Endodontic Roundtable Seminar, the ERS Information Desk will be open as follows:

Wednesday, April 29 2:00 p.m.-6:00 p.m.
Thursday, April 30 9:00 a.m.-5:00 p.m.
Friday, May 1 7:30 a.m.-5:00 p.m.
Saturday, May 2 7:30 a.m.-11:00 a.m.

Each seminar is limited to 15 registrants and there is also a limit of 2 seminars per person.
Message Center
If you need to contact an attendee during the day, please leave a note at the Message Center located near the registration area. You are also encouraged to check the Message Center periodically to see if there is a message for you.

Saturday Dinner Dance
Please make your table selection for the Saturday Dinner Dance as soon as possible and before 12 Noon on Friday by exchanging your voucher for a banquet ticket at the registration desk. If you wish to make up a party, you must present a voucher for each person in your group in order to reserve the space. No exceptions can be made.

Smoking
For the comfort of others, all smokers are requested to sit in the rear of the meeting rooms.

ADA Continuing Education Registry
Individuals* whose constituent societies, federal dental services or state boards of dentistry participate in the ADA Registry program will receive continuing education credits as follows:

5 credits for general attendance at 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 clinical nature.

A separate form for each presentation attended, as well as a separate form for general attendance, should be completed in detail, and deposited in the special box located at the AAE Registration desk.

*Refers only to individuals from Connecticut, Georgia, Iowa, Maine, Massachusetts, Minnesota, New Hampshire, North Dakota, Rhode Island, South Dakota, Tennessee, Vermont, Wisconsin, U.S. Army, Veterans Adm.

Academy of General Dentistry
Members of the Academy of General Dentistry may have their course forms validated at the AAE Headquarters Office, Room 8.

THURSDAY FELLOWSHIP RECEPTION
Remember to purchase your drink ducats for this reception at the University Museum before 4:00 p.m. Thursday. We are not permitted to sell drink ducats at the Museum. Buses will depart at 6:00 p.m.
WEDNESDAY, APRIL 29

9:00-5:00  AAE Board of Directors’ Meeting  Room 2

9:00-5:00  ABE Oral Examinations  Seminar A and Room 138

9:00-5:00  Continuing Education Course  PAIN CONTROL IN ENDOdontICS  Dominion Ballroom D
(Admittance by ticket purchased in advance.)

6:30pm-8:00  EARLY ARRIVAL PARTY  Dominion Ballroom Foyer
(All registrants and exhibitors invited to attend.)

THURSDAY, A.M., APRIL 30

7:30  CONTINENTAL BREAKFAST  Dominion Ballroom A
(For AAE members and Women’s Auxiliary members. Admission by ticket only.)

OPENING SESSION  Dominion Ballroom D

8:30  Greetings: EDWARD M. OSETEK, DDS, MA; AAE President
Address: ROBERT H. GRIFFITHS, DDS; ADA President-elect

SCIENTIFIC SYMPOSIUM  Dominion Ballroom D

BEYOND THE ROOT CANAL — THE TOTAL PATIENT
Moderator: JOSEPH I. TENCA, DDS

9:00-12:00  Systemic status of the dental/endodontic patient and the utilization of laboratory medicine in endodontics.

ORDIE H. KING, JR., DDS, PhD, Professor of Pathology, Director of Laboratories, and Chairman, Department of Diagnostic Specialties (Sections of Pathology, Radiology, Medicine, Oral Medicine/Oral Diagnosis), School of Dental Medicine, Southern Illinois University at Edwardsville, Alton, Illinois; Private Practice: Director, Southern Illinois Pathology Laboratory, Godfrey, Illinois.

Technological advances in the past 20 years have markedly broadened the scope of laboratory medicine and simplified testing procedures. A plethora of laboratory tests is available on request, and all too frequently, superfluous laboratory tests are requested. A discussion of various laboratory screening tests and their value will be undertaken.

To demonstrate the value or lack of value of various screening tests, the findings of extensive laboratory screening of over 3,000 clinical patients at the Southern Illinois University School of Dental Medicine will be presented with a discussion of the relationship of these results to the prognosis of dental/endodontic treatment of those patients.
SPOKESMEN'S TRAINING FOR ENDODONTISTS
Room 10

Moderator: DUANE E. COMPTON, DDS, MSD

9:00-10:30
Clinicians: JOHN E. REGAN, DDS, Huntington, IN
BARBARA RAFFERTY, Indianapolis

Dr. Regan, who maintains a general practice, is president of the Academy of General Dentistry and a member of the AAE. Mrs. Rafferty is public relations counsel to the AAE.

A capsule seminar to introduce members to techniques and tactics in meeting the challenge of communicating root canal therapy effectively to colleagues, the public and the news media. Participants will have an opportunity to objectively view their own performance in front of the TV camera, learn how to adapt speaking techniques to a variety of situations and, with Dr. Regan, learn how to develop positive relationships with the generalist.

SPOKESMEN'S TRAINING FOR ENDODONTISTS
10:30-12 Noon
(Repeat of above program.)

CLINICAL ESSAYS
Dominion Ballroom C

Chairman and Moderator: RICHARD E. WALTON, DMD, MS

9:00
Apical, lateral and cervical resorptions-pathology and clinic
GUNNAR HASSELGREN, DDS, PhD, Philadelphia, PA

The etiology and treatment modalities of apical and lateral external inflammatory resorptions, strictly apical resorptions, and cervical resorptions will be discussed.

9:30
The cracked tooth syndrome: a new look at an old problem
JOHN H. CHAMBERLIN, DMD, MS, Fort Benning, GA

The definition, causes, signs and symptoms (early, later, and ultimate) associated with the CTS will be covered. Twelve tests for proper diagnosis, including the correlation of cracked teeth with low Frankfort Mandibular Angle cases, are included.

10:00
Surgical management of the endodontically compromised palatal root
RALPH BELLIZZI, DDS, Tacoma, WA

The indications, anatomical considerations and flap design for palatal root surgery of the endodontically-involved tooth are presented. The utilization of study models and a step-by-step case history will correlate the basic concepts with clinical application.

VISIT THE EXHIBITS
10:30 Adjunctive orthodontics in endodontic therapy
ORHAN C. TUNCAY, DMD, Lexington, KY

Adjunctive orthodontic procedures such as uprighting, alignment and extrusion of teeth establish the physiologic base for optimal dental therapy. A special interaction between endodontics and orthodontics will facilitate endodontic therapy or augment orthodontic tooth movement. Recent improvements in orthodontic appliances enable the endodontist to include orthodontic procedures in the overall treatment plan.

11:00 Unique solutions to problems of isolation
DONALD D. ANTRIM, DDS, MS, Bethesda, MD

The presentation will center on endodontic cases requiring ingenuity of the operator to insure proper isolation of the operating field. Isolation techniques involving a bridge abutment, teeth with perforations below the alveolar crest, horizontal root fractures and resorptive defects will be highlighted.

11:30 Pathogenesis and treatment of vertical root fractures
ROBERT J. MICHELICH, DDS, Augusta, GA
RICHARD E. WALTON, DMD, MS, Augusta, GA

A vertical root fracture is a most damaging occurrence. The causes for the often rapid development of the accompanying inflammatory lesion and bone resorption are undetermined. Several roots with vertical fractures were examined histologically to determine the pathogenesis of the inflammatory lesion. These findings will be correlated with clinical signs and symptoms to suggest a rational approach to treatment.

12 Noon LUNCHEON — Dominion Ballroom A & B

THURSDAY LUNCHEON
12 Noon - Dominion A & B

Judge Lynne Abraham, Philadelphia common pleas judge, and her husband, Frank Ford, radio commentator, will present a two-person panel following the luncheon on the "Problems of Being in the Public Eye."

SMOKING

For the comfort of others, all smokers are requested to sit in the rear of the room.
THURSDAY, P.M., APRIL 30

SCIENTIFIC SYMPOSIUM
Dominion Ballroom D

BEYOND THE ROOT CANAL — THE TOTAL PATIENT
Moderator: MICHAEL A. HEUER, DDS,

2:00-5:00
The effect of collagen biosynthesis and collagen diseases on the endodontic patient

ARTHUR VEIS, PhD, Professor of Biochemistry and Chairman, Department of Oral Biology, Northwestern University Dental School; PhD in Physical Chemistry, Northwestern 1951; Special interest in biological polymers with focus on collagen structure and gelatin; Published extensively on collagen structure and biosynthesis; Engaged in studies of biological mineralization.

Collagen is the chief structural element of the dental pulp. It provides the substratum for the odontoblasts and all the dynamic aspects of tooth function depend on its status. The composition, nature and organization of the pulp connective tissue matrix will be examined. The metabolic processing within the pulp will be explored along with the problem of pulp capping.

CLINICAL ESSAYS
Dominion Ballroom C

Chairman: RICHARD E. WALTON, DMD, MS
Moderator: LEIF K. BAKLAND, DDS

2:00
Endodontic implications of autotransplantation of teeth
LEIF TRONSTAD, DMD, PhD, Philadelphia, PA

There is an increasing understanding that success or failure in autotransplantation of teeth to a great extent are dependent on the reactions of the dental pulp. The pulp reactions after autotransplantation will be discussed and therapeutic guidelines will be proposed.

2:30
The ultrasonic synergistic system for root canal debridement
WALTER T. CUNNINGHAM, DDS, MS, MA, Bethesda, MD
HOWARD MARTIN, DMD, Silver Springs, MD

An innovative system utilizing ultrasound has been developed for the rapid and effective preparation of the root canal space. The synergistic combination of ultrasound and flow-through irrigation leads to a dynamic, efficient ultrasonic system within biologic parameters. This ultrasonic synergistic system will be compared to conventional methods for its ability to clean the root canal and its irregularities.

3:00
An investigation of tissue reaction to dioxidontic implants in Macaca irus monkeys and the clinical implications of the study
RICHARD JOHNS, PhD, LDS, RCS, London, England

The histological responses to one variety of dioxidontic (endodontic endosseous) implant through the upper central incisors of Macaca irus monkeys will be reported. The ratio of the intrasosseous portion of the implant to the tooth length was varied. The histologic technique was also altered to give a better understanding of the tissue response. A comparison is drawn between the experimental results and clinical material which has failed.
3:30 Stress in endodontics
DONALD RAY MORSE, DDS, MA, Philadelphia, PA

Stress is defined followed by an examination of specific stressors of endodontic practice. A recent study on stress, relaxation and salivary changes is discussed. Methods of countering endodontic stress and a holistic approach to the management of stress is considered.

4:00 Clinical and biologic evaluation of hydron
KAARE LANGLAND, DDS, PhD, Farmington, CT

Hydron, a hydrophilic gel, was tested for its clinical and biological properties in subcutaneous implants in rats, in bone implants in guinea pigs, and in root canals of subhuman primates. The physical properties, placement and removal of the material and the biologic response to tissue implantation will be revealed.

4:30 Cyclic AMP and cyclic GMP quantitation in pulp and periapical lesions and their correlation with pain
OSCAR R. BOLANOS, DDS, MS, Philadelphia, PA

Pulpal and periapical lesion tissue samples were collected from patients ranging in age from 15-52 years. Nine pulp samples (controls) and nine periapical samples were from asymptomatic patients. Eighteen pulp samples were from symptomatic patients. The concentration of cyclic AMP and cyclic GMP per mg of protein were determined for all samples.

WRITING FOR THE SCIENTIFIC PRESS
Room 10
Moderator: DUANE E. COMPTON, DDS, MSD

2:00-5:00 Clinicians: ROGER H. SCHOLLE, DDS, MS, Chicago
PAUL BARTON, MA, Indianapolis
IRVING J. NAIDORF, DDS, New York

Dr. Scholle is editor of the American Dental Association. Professor Barton holds a joint appointment in Dentistry and Journalism at the Indiana University School of Dentistry where he has taught scientific writing for the past 12 years. A former reporter and editor, he is an editorial consultant to the journals of Prosthetic Dentistry and Periodontology. His honors include the Distinguished Service Award of the American Association of Dental Editors. Dr. Naidorf has served as editor of the Journal of Endodontics since 1979.

Professional journals are an important means of communicating with the dental profession. A practical method of preparing articles for the professional literature will be described. The step-by-step approach will cover the gathering and organization of material, getting started, completing the first draft, and revising and editing. Ways of overcoming "writer’s block" and maintaining a positive attitude will be stressed. Elements that predispose the journal editor to accept submitted scientific articles for publication will be explained and JADA policies governing acceptance of commentary, letters to the editor, news reports and editorials will be outlined.
ENDODONTIC RESEARCH SYMPOSIUM
Provincial Ballroom

Moderator: SAMUEL SELTZER, DDS

2:00 A study of endodontic treatment of infected root canals in one visit
DR. HISASHI NAGASAWA* and DR. H. NAKAMUTA,
Kyushu University, Fukuoka, Japan

2:25 Root canal filling lateral condensation using a thermoplasticized
gutta percha technique
THOMAS KING*, DDS, Indiana University

2:50 Study of two techniques of canal obturation and their apical seal
utilizing a radioisotope
JAMES BALDI*, DDS, University of Illinois

3:15 The sealing ability of the McSpadden root canal filling technique
GARY HARRIS*, DDS, and DAVID DICKEY, DMD,
Louisiana State University

3:40 A three dimensional look at canals filled by the McSpadden
technique
MELVIN GOLDMAN*, DDS, ANTHONY TERRES, DMD, and
MARTIN GELFAND, DDS, Tufts University

4:05 On the development of therapeutic system and canal model for
channel preparation, etc., based on the rheological analysis of
warm gutta percha
KUNIO FUKADA*, DDS, and MASAHARU KOGA, DDS,
Fukada Institute, Tokyo, Japan

4:30 An analysis of 2,500 endodontically treated teeth
STUART FERGUSON*, DDS, Indiana University

*Clinician

5:00- 5:30 MEET THE AMERICAN BOARD OF ENDODONTICS
Dominion Ballroom D

5:00- 5:30 AADS-ENDODONTIC SECTION MEETING
Provincial Ballroom

6:00 BUSES DEPART FOR FELLOWSHIP RECEPTION AT
UNIVERSITY MUSEUM

BADGES MUST BE WORN AT
ALL OFFICIAL AAE FUNCTIONS
FRIDAY, A.M., MAY 1

8:00-9:00
CONTINENTAL BREAKFAST
Pacific Hall
(Admission by ticket only.)

SCIENTIFIC SYMPOSIUM
Dominion Ballroom D

BEYOND THE ROOT CANAL — THE TOTAL PATIENT
Moderator: M. LAMAR HICKS, DDS

9:00-12:00
Current advances in medicine and their relationship to endodontic practice

LOUIS F. ROSE, DDS, MD, Associate Professor and Chief, Dental Medicine and Surgery Service, Medical College of Pennsylvania, Philadelphia; Associate Professor in Periodontics, University of Pennsylvania School of Dental Medicine and Temple University School of Dentistry; Diplomate, American Board of Periodontology.

BARRY H. HENDLER, DDS, MD, Director, Division of Oral and Maxillofacial Surgery, Dental Medicine and Surgery Service, Medical College of Pennsylvania, Philadelphia; Assistant Professor in Oral Surgery and Anesthesiology, University of Pennsylvania; Diplomate, American Board of Oral and Maxillofacial Surgeons.

The practicing dentist will be familiarized with the ever increasing numbers of patients who represent an increased risk during dental therapy. A method of evaluating medical problems which might adversely affect dental treatment will be given along with suggestions which will guide the practitioner into pathways of care to avoid catastrophe.

The presentation is structured as an analogue to the dentist’s encounter with a new patient. Physical evaluation and advances in medicine that affect the medical/dental interface will be discussed. Emphasis will be placed on the role of the dentist in the treatment of the patient with hypertension, coronary artery disease, cardio-vascular lesions requiring SBE prophylaxis, diabetes, and hepatitis.

ENDODONTIC RESEARCH SYMPOSIUM
Provincial Ballroom

Moderator: MELVIN GOLDMAN, DDS

9:00
A promising method for fixing human pulp
MICHAEL GAYNOR*, DDS, University of Illinois

9:25
Volumetric measurements of apical leakage and their relationship to traditional linear measurements
KENNETH ZAKARIASEN*, DDS, MS, PhD, University of Iowa, and WILLIAM DOUGLAS, MS, PhD, BDS, University of Minnesota

9:50
A double blind study of preoperative use of a nonsteroidal anti-inflammatory agent on post-operative endodontic pain
WILLIAM TOLSON*, DDS, and MELVIN GOLDMAN, DDS, Tufts University
10:15 Effectiveness of preoperative treatment with ibuprofen (Motrin) for post-operative endodontic pain
GEORGE E. SAS*, DDS, SAMUEL SELTZER, DDS, MARVIN GROSS, DDS, and IRVING SINAI, DDS, Temple University

10:40 The anti-microbial action of calcium hydroxide preparations on the endodontic aerobic flora
LEON LEMIAN*, DDS, MScD, GILLES COTE, DDS, and MONIQUE MICHAUD, DDS, MSD, University of Montreal, Canada

11:05 The dynamics of microcirculation in the dental pulp: an in-vivo video microscopic approach
SYNGCUK KIM*, DDS, Columbia University

*Clinician

ENDODONTIC ROUNDTABLE SEMINARS
(Admission by pre-registered ticket only.)

Chairman: MANUEL I. WEISMAN, DDS
Co-chairman: PAUL M. VANEK, DDS

8:00- 10:00
ERS 1 — Seminar Room A
The expanded role of calcium hydroxide in endodontic therapy
RAYMOND T. WEBBER, DDS, MS, Gainesville, FL

ERS 2 — Seminar Room B
Preventive-interceptive endodontic treatment.
MARTIN WEISELBERG, DDS, Fort Lee, NJ

ERS 3 — Seminar Room C
Endodontics and the medically compromised patient
LEO BOTWINICK, DDS, MA, New York, NY

ERS 4 — Seminar Room D
Bleaching vital and non-vital teeth
DONALD E. ARENS, DDS, MSD, Indianapolis, IN

ERS 5 — Room 2
The slide seminar: how to prepare, photograph, and present quality educational programs
ALBERT C. GOERIG, DDS, MS, Vine Grove, KY

ERS 6 — Room 3
Let's talk about endodontic failures
M. CAMERON CRUMP, DDS, Phoenix, AZ

ERS 7 — Room 4
Endodontic emergency treatment
JERRY F. TAINTOR, DDS, MS, Los Angeles, CA

ERS 8 — Room 5
Endodontic surgery for posterior and involved teeth
ADOLPH BUSHHELL, DDS, Hartford, CT

ERS 9 — Room 9
Comapted gutta percha
JOHN T. McSPADDEN, DDS, Johnson City, TN

ERS 10 — Room 10
Pulpal responses: "the clinical connection"
HAROLD R. STANLEY, DDS, MS, Gainesville, FL
ERS 11 — Seminar Room A
It's difficult to treat what you cannot find, or locating and instrumenting fine canals
PIERRE R. DOW, DDS, MSC, Vancouver, Canada

ERS 12 — Seminar Room B
Artificial dentin for pulpless teeth
WILLIAM E. HARRIS, DDS, Atlanta, GA

ERS 13 — Seminar Room C
Endodontics for little folks
JOE H. CAMP, DDS, MSD, Charlotte, NC

ERS 14 — Seminar Room D
Endodontic practice for the 80's
GERALD C. DIETZ, DDS, MS, Birmingham, MI

ERS 15 — Room 2
Aids and pitfalls in endodontic surgery
HAROLD GERSTEIN, DDS, Milwaukee, WI

ERS 16 — Room 3
Endodontic treatment planning
F. JAMES MARSHALL, DMD, MS, Lake Oswego, OR

ERS 17 — Room 4
Current trends in sealing canal systems
NGUYEN T. NGUYEN, DDS, San Francisco, CA

ERS 18 — Room 5
Pain control in endodontics
IRVING L. FRIED, DDS, MA, New York, NY

ERS 19 — Room 9
Aids for a pleasant endodontic experience
JOHN D. HARTNESS, DDS, Rocky Mount, NC

ERS 20 — Room 10
Traumatic injuries to teeth
ANDREW E. Michanowicz, DDS, Pittsburgh, PA

12 Noon LUNCH ON YOUR OWN

---

Saturday, May 2, 1981
8 PM - Dominion Ballroom

Vouchers must be exchanged for tickets when you select tables for the Dinner Dance. This should be accomplished before 12 Noon on Friday.
CONDENSED PROGRAM

MONDAY, APRIL 27
9 am-5 pm ABE Directors' Meeting

TUESDAY, APRIL 28
9 am-5 pm ABE oral examinations
E&M Foundation Trustees' Meeting

WEDNESDAY, APRIL 29
8 am Buses leave for Golf Event
9 am-5 pm ABE oral examinations
AAE Board of Directors Meeting
Continuing Education Course
11 am Buses leave for tennis tournament
6:30 pm Early Arrival Party

THURSDAY, APRIL 30
6 am Buses leave for 6K run
7:30 am Continental breakfast
8:30 am Opening Session
9 am-12N Scientific Symposium
Clinical Essays
Spokesmen's Training
12 Noon Luncheon
2 pm-5 pm Scientific Symposium
Clinical Essays
Writing for Scientific Press
Research Symposium
5 pm-6 pm Meet the ABE
AADS Endodontic Section Meeting
6 pm Buses leave for FELLOWSHIP RECEPTION

FRIDAY, MAY 1
7:30-9 am New member/graduate student breakfast
8 am-9 am ABE Past directors' breakfast
8 am-12N Continental breakfast
Endodontic Roundtable Seminars
9 am-12N Scientific Symposium
Research Symposium
12 Noon Committee meetings
2 pm-5 pm Scientific Symposium
Clinical Essays
5:30 pm Buses leave for Atlantic City

SATURDAY, MAY 2
7:30 am AAE Past presidents' breakfast
8 am-12N Endodontic Roundtable Seminars
8 am-9 am Continental breakfast
9 am-12N Research Symposium
Table Clinics
12 Noon Coolidge Memorial Luncheon
2 pm-4 pm General Assembly Meeting
7 pm Past Presidents' reception
8 pm-1am Dinner Dance

SUNDAY, MAY 3
8:00 am AAE Board of Directors' Meeting
8 am-12N ABE Directors' Meeting
9 am-12N Louis I. Grossman Endodontic Study Club
WEDNESDAY, APRIL 29
8 am  Buses leave for golf event
11 am  Tennis tournament
6:30 pm  Early Arrival Party  Dominion Ballroom Foyer

THURSDAY, APRIL 30
6 am  Buses leave for 2nd Annual AAE 6K Run
8 am  Continental breakfast  Dominion Ballroom A
8:45 am-  Brandywine River Museum/Longwood Gardens Tour
4 pm
9:45 am-  Philadelphia Museum of Art Tour
4 pm
12 Noon  Luncheon featuring Judge Lynne Abraham & Frank Ford  Dominion Ballroom A-B
6 pm  Buses leave for FELLOWSHIP RECEPTION at Univ. Museum

FRIDAY, MAY 1
9:30 am-  AAE Women’s Auxiliary Brunch/Business Session
12 Noon  Barbara Oak Silver, speaker (Getting Yours: Law, Finance and Women)  Dominion Ballroom C
1:30 pm-  Tour of Historic Philadelphia
4 pm
5:30 pm-  Atlantic City Casino Jaunt
Midnight

SATURDAY, MAY 2
9 am-  Children’s Tour of Philadelphia
12 Noon
10:30 am-  Continental Breakfast/Wives’ Workshop
12 Noon  Tamara Seldin, speaker
12 Noon  Coolidge Memorial Luncheon featuring “Philadelphia Boys Choir”  Dominion Ballroom A-C
7:00 pm  Past Presidents’ Reception  Dominion Ballroom Foyer
8:00 pm  Dinner Dance  Dominion Ballroom A-D

*Buses leave from Franklin Plaza Hotel.

WOMEN’S AUXILIARY HOSPITALITY
PARLOR D — ROOM 228
SECOND FLOOR, TOWER SECTION
The philosophy and selection of antibiotics based on cell anatomy, physiology, target areas and effectiveness as it applies to endodontics

JACOB GOLDSTEIN, DDS, PhD, Associate Professor, Department of Endodontics, New York University Dental School, New York City; Formerly Associate Professor, Department of Endodontics and Department of Oral Biology-Microbiology, Medical College of Georgia, School of Dentistry.

Antibiotic therapy is a part of the regimen used by the endodontist in the treatment of a periapical infection. These drugs function in a dynamic environment created by interactions of the host and the microbe. The clinical effectiveness of an antibiotic depends upon an understanding of factors that prevail in the disease region and the innate capacitance of the microbes to resist the drug's activity. Failure to recognize such aspects of antibiotic therapy can lead to unwarranted use of these drugs and persistence of infection. The rationale in choosing an antibiotic or an alternative antibiotic as it applies to endodontic treatment is discussed. The consequences of shotgun antibiotic therapy to the microbe and the patient are also clearly indicated.
CLINICAL ESSAYS
Dominion Ballroom C

Chairman: RICHARD E. WALTON, DMD, MS
Moderator: WILLIAM E. BERNIER, DDS, MA

2:00 Evaluation of root canal therapies performed by other operators and their results
YURY KUTTLER, DDS, MD, Mexico City, Mexico
GUILLERMO S. JIMINEZ, DDS, Vera Cruz, Mexico

An analysis of a random 358 roentgenograms of 157 canalotherapies performed by other operators differs greatly with the high percentages of success reported of one’s own root canal therapies. With techniques and materials generally used, 14% success and 86% failure was found. The causes of this high failure rate will be highlighted.

2:30 Preservation of alveolar ridge by root submergence
PHILIP DELIVANIS, DDS, MS, Louisville, KY

This essay will discuss the patterns of alveolar bone formation and resorption, the effect of tooth eruption on the alveolar ridge and the techniques that have been developed to prevent continuous tooth eruption. The advantages and disadvantages of complete versus incomplete root submergence will be detailed.

3:00 Canal orifice preparation as it relates to access to the apex
I. JOEL LEEB, DDS, MSD, PhD, Chapel Hill, NC

This study employed extracted molar teeth to examine the relationship between canal access and instrumentation of the apical region. Two series of experiments were conducted with untouched orifices and flared orifices to compare the efficiency of canal preparation in the apical root canal.

3:30 Are prophylactic antibiotics useful to reduce surgical morbidity?
LARRY J. PETERSON, DDS, MS, Farmington, CT

Guidelines will be presented that will identify those patients who will benefit from antibiotic prophylaxis and outline the most effective prophylactic regimen for the prevention of wound infection.

4:00 Local anesthetic techniques used to obtain profound pulpal anesthesia for mandibular teeth
GWENET LORNA LAMBERT, BDS, Los Angeles, CA

Difficulties associated with obtaining profound pulpal anesthesia of mandibular teeth are well known to dentists and patients. Local anesthetic techniques with advantages and disadvantages will be outlined. The Gow Gate’s mandibular block injection, the periodontal ligament injection and the intraosseous injection will be included.

4:30 Clinical photography for the endodontist
ALBERT C. GOERIG, DDS, MS, Fort Knox, KY

Popular clinical camera set-ups and accessories, intra- and extra-oral slide composition, and exposure factors make up this discussion. Simplified techniques of copying slides, radiographs and graphics will be demonstrated.

5:30 BUSES DEPART FOR CASINO JAUNT, ATLANTIC CITY
CONTINENTAL BREAKFAST
Pacific Hall
(Admission by ticket only.)

ENDODONTIC ROUNDTABLE SEMINARS
(Admission by pre-registered ticket only.)

Chairman: MANUEL I. WEISMAN, DDS, Augusta, GA
Co-chairman: PAUL M. VANEK, DDS, Ann Arbor, MI

ERS 1 — Seminar Room A
The expanded role of calcium hydroxide in endodontic therapy
RAYMOND T. WEBBER, DDS, MS, Gainesville, FL

ERS 2 — Seminar Room B
Preventive-interceptive endodontic treatment
MARTIN WEISELBERG, DDS, Fort Lee, NJ

ERS 3 — Seminar Room C
Endodontics and the medically compromised patient
LEO BOTWINICK, DDS, MA, New York, NY

ERS 4 — Seminar Room D
Bleaching vital and non-vital teeth
DONALD E. ARENS, DDS, MSD, Indianapolis, IN

ERS 5 — Room 2
The slide seminar: how to prepare, photograph, and present
quality educational programs
ALBERT C. GOERIG, DDS, MS, Vine Grove, KY

ERS 6 — Room 3
Let’s talk about endodontic failures
M. CAMERON CRUMP, DDS, Phoenix, AZ

ERS 7 — Room 4
Endodontic emergency treatment
JERRY F. TAINTOR, DDS, MS, Los Angeles, CA

ERS 8 — Room 5
Endodontic surgery for posterior and involved teeth
ADOLPH BUSHELL, DDS, Hartford, CT

ERS 9 — Room 9
Compacted gutta percha
JOHN T. McSPADDEN, DDS, Johnson City, TN

ERS 10 — Room 10
Pulpal responses: ‘the clinical connection’
HAROLD R. STANLEY, DDS, MS, Gainesville, FL
ERS 11 — Seminar Room A
It's difficult to treat what you cannot find, or locating and instrumenting fine canals
PIERRE R. DOW, DDS, MSC, Vancouver, Canada

ERS 12 — Seminar Room B
Artificial dentin for pulpless teeth
WILLIAM E. HARRIS, DDS, Atlanta, GA

ERS 13 — Seminar Room C
Endodontics for little folks
JOE H. CAMP, DDS, MSD, Charlotte, NC

ERS 14 — Seminar Room D
Endodontic practice for the 80’s
GERALD C. DIETZ, DDS, MS, Birmingham, MI

ERS 15 — Room 2
Aids and pitfalls in endodontic surgery
HAROLD GERSTEIN, DDS, Milwaukee, WI

ERS 16 — Room 3
Endodontic treatment planning
F. JAMES MARSHALL, DMD, MS, Lake Oswego, OR

ERS 17 — Room 4
Current trends in sealing canal systems
NGUYEN T. NGUYEN, DDS, San Francisco, CA

ERS 18 — Room 5
Pain control in endodontics
IRVING L. FRIED, DDS, MA, New York, NY

ERS 19 — Room 9
Aids for a pleasant endodontic experience
JOHN D. HARTNESS, DDS, Rocky Mount, NC

ERS 20 — Room 10
Traumatic injuries to teeth
ANDREW E. MICHANOWICZ, DDS, Pittsburgh, PA
ENDODONTIC RESEARCH SYMPOSIUM —
GRADUATE STUDENT SECTION
Provincial Ballroom

Moderator: JAMES SIMON, DDS

9:00 Preparation of finely curved mandibular canals
JOHN HUNTER*, DDS, MS, University of Michigan

9:25 A comparison of antimicrobial effects of chlorhexidine gluconate
versus sodium hypochlorite as irrigants in endodontic therapy
MICHAEL RINGEL*, DDS, Indiana University

9:50 Radiopharmaceutical uptake in lesions of endodontic origin in
rats: a longitudinal study
KENNETH SEROTA*, DDS, and MARJORIE JEFFCOAT, DMD,
Harvard University, Forsyth Dental Center

10:15 Alteration of human pain thresholds by nutritional manipulation
and L-Tryptophan supplementation
SAMUEL SELTZER*, DDS; RUSSELL STOCH, BDS, DDS,
RICHARD MARCUS, DDS, and ERIC JACKSON, DDS,
Temple University

10:40 A scanning electron microscopic comparison of several
endodontic irrigating solutions
RUSSELL YAMADA*, DMD, and ANNABELLE ARMAS, DDS,
Tufts University

11:05 A comparison of the effects of gutta percha removal by rotary
instruments and softening agents on the apical seal during post
preparation - an autoradiographic study
DAVID DICKEY*, DMD, and GARY HARRIS, DDS, Louisiana
State University

11:30 Comparison of gutta percha filling techniques
MARSTON WONG, DDS, MS, US Army, Madigan Army
Medical Center

*Clinician
TABLE CLINICS (9:00-12:00 Noon)
Canadian Ballroom

Chairman: W. CRAIG BELL, DDS

GRADUATE STUDENT SECTION

1. Pathological conditions that may mimic periapical lesions
   RICHARD A. BEAVERS, University of Michigan

2. Biocompatibility of a new root canal filling material (bone cement)
   in periapical tissues of the rat
   JEFFREY W. LINDEN, Forsyth Dental Center

3. A microstructural analysis of the twisted endodontic instrument
   LISA GERMAIN, Boston University

4. Microleakage in hydron and gutta percha
   AHMED MASSOUD, University of Iowa

5. Analysis of apical microleakage in teeth prepared for posts
   SANDRA MADISON, University of Iowa

6. RC2B paste and the Sargenti technique: a linear and volumetric
   microleakage analysis
   RICHARD BEATTY, University of Iowa

7. Use of analgesics in endodontics
   WILLIAM J. GIRSCH and JERALD W. SMITH, University of North Carolina

8. Endodontics terminology: its use and abuse
   JOHN F. HEATON and STEVE WARREN, University of Maryland

9. A technique for staining extracted teeth: a research and teaching
   aid for bleaching
   WILLIAM F. FRECCIA, Walter Reed Army Medical Center

10. Success or failure? What’s your opinion?
    MARTIN GELFAND and ERIC SUNDERMAN, Tufts University

11. Small endodontic instrument sterilization through antibiotic bottles
    JESUS RICARDO MONTES de OCA PEDROSA, National University
    of Mexico

12. Acute exacerbations following initial treatment of necrotic pulp
    FRANK S. BALABAN, West Virginia University

13. Eye Injuries in the dental office — prevention and treatment
    FRANK S. LUXL and JOANNE S. KLOPPER, OD, Wilmington, DE

14. Esthetic retrofilling
    VAN T. HIMEL, Louisiana State University
NONGRADEATE SECTION

15. Coronal build-up of the degraded tooth before and after endodontic therapy
HENRY KAHN, Palm springs, CA

16. Extrusion of endodontically treated teeth
DAVID L. KELLER and ELIAS DROBOTIJI, Fayetteville, NC

17. Post positions that win
ROBERT V. WEISSMAN, Fairlawn, NJ

18. The utilization of a #10 file during lateral condensation of gutta percha
HOWARD H. POMERANZ, Millburn, NJ

19. Restoration of the endodontically treated tooth
BEN J. FISHER, Indianapolis, IN

20. The use of cadaver sections in the demonstration of spatial relationship of root canal anatomy
SAMUEL S. PATTERSON and CARL W. NEWTON, Indiana University

21. Creative cast cores and posts
LAWRENCE I. SHEPARD, Fairlawn, NJ

22. Fabricate your own chairside helper
JEROME C. DONELLY, Fort Meade, MD

23. Apical leakage associated with automated thermatic condensation of gutta percha: a linear and spectrophotometrically determined volumetric analysis
BRIAN SECIST, University of Iowa

24. Are all periapical radiolucencies due to pulpless teeth?
NORBERT HERTL, Baltimore, MD

25. Decompression of large cystic periapical lesions
ELMER J. NEAVERTH and HANS A. BURG, Fort Gordon, GA

26. Esthetic and practical restorations for anterior teeth during endodontic treatment
SAMI SAMANI, Lyndhurst, NJ

27. A new device for removing posts and fractured endodontic instruments
JOHN B. MESSER, Victoria, Australia
SATURDAY, P.M., MAY 2

12 Noon COOLIDGE MEMORIAL LUNCHEON
          Dominion Ballroom

2:00-     GENERAL ASSEMBLY MEETING
          Provincial Room

4:00      PAST PRESIDENTS’ RECEPTION
          Dominion Foyer

7:00      DINNER DANCE
          Dominion Ballroom

SATURDAY COOLIDGE MEMORIAL LUNCHEON
(AAE members and Auxiliary members)
12 Noon - Dominion A, B, C

Entertainment will be provided by the Philadelphia Boys’ Choir.
SUNDAY, A.M., MAY 3

LOUIS I. GROSSMAN ENDODONTIC STUDY CLUB

(Continental Breakfast Symposium)
Dominion Ballroom A

9:00-12:00

ENDODONTIC FLARE-UPS: CAUSE AND CORRECTIONS

Moderator: SEYMOUR OLIET, DDS, Philadelphia

Flare-ups with intentional replantations
LOUIS I. GROSSMAN, DDS, Philadelphia

Flare-ups associated with vertical root fractures
GEORGE G. STEWART, DDS, Philadelphia

Surgical correction
SAMUEL R. ROSSMAN, DDS, Philadelphia

Treatment of emergencies
LEIF TRONSTAD, DMD, PhD, Philadelphia

Clinical flare-ups
LEONARD N. PARRIS, DDS, Philadelphia

Overview — A variety of theories
SAMUEL SELTZER, DDS, Philadelphia
1981 EXHIBITORS

EXHIBIT HOURS
Thursday, April 30 ........................................... 9:00 am - 6:00 pm
Friday, May 1 ............................................. 8:00 am - 5:00 pm
Saturday, May 2 ........................................... 8:00 am - 3:00 pm

Eastern Audio Cassettes (Booth #6)
AAE Endowment & Memorial Foundation (Booth #7)
AAE Public Affairs Committee (Booth #8)
AAE Career Counseling Committee (Booth #9)
EXHIBITOR

Ada Products, Inc. (Booth #49)
P.O. Box 17509
Milwaukee, WI 53217

Amadent/American Medical (Booth #26)
& Dental Corp.
P.O. Box 3422
Cherry Hill, NJ 08034

Analytic Technology Corp. (Booth #12)
3301 181st Place, N.E.
Redmond, WA 98052

Columbus Dental (Booth #34)
634 Wager St.
Columbus, OH 43206

Dermac Manufacturing, Inc. (Booth #33)
2845 Dallas Highway
Salem, OR 97304

Ellman International Mfg. Co. (Booth #5)
1135 Railroad Ave.
Hewlett, NY 11557

Encyclopaedia Britannica (Booth #15)
425 North Michigan
Chicago, IL 60611

Healthco, Inc. (Booth #41)
25 Stuart Street
Boston, MA 02116

Hu-Friedy Mfg. Co., Inc. (Booth #11)
3118 N. Rockwell St.
Chicago, IL 60618

Hygenic Corp., The (Booths #21-22)
1245 Home Avenue
Akron, OH 44310

Inter-Dent (Booth #31)
391 Steelcase Rd. #16
Markham, Ontario L3R 3V9

Ives Laboratories, Inc. (Booth #44)
685 Third Avenue
New York, NY 10017

Kerr Co./Sybron (Booth #25)
28200 Wick Road
Romulus, MI 48174

Kilgore International (Booth #19)
36 W. Pearl Street
Coldwater, MI 49036
Knoll Pharmaceutical Co. (Booth #47)
30 No. Jefferson Rd.
 Whippany, NJ 07981

Lea & Febiger (Booth #39)
600 S. Washington Square
Philadelphia, PA 19106

Lee Pharmaceuticals (Booth #32)
1444 Sante Anita Avenue
South El Monte, CA 91733

Libin and Associates (Booth #4)
907 Hollywood Way
Burbank, CA 91505

Lincoln Dental & Medical Supply (Booth #45)
1317-21 W. Nedro Avenue
Philadelphia, PA 19066

Mardan Business Systems, Inc. (Booth #46)
6824 Washington Ave.
Eden Prairie, MN 55344

Medidental Dental Supply Corp. (Booth #23)
39-23 62nd Street
Woodside, NY 11377

Microcopy (Booth #42)
1174 Tourmaline Dr.
Newbury Park, CA 91320

The C.V. Mosby Company (Booth #48)
11830 Westline Industrial Dr.
St. Louis, MO 63141

Mynol, Inc. (Booth #35)
600 Parkway
Broomall, PA 19008

NPD Dental Systems (Booth #2)
5 Jules Lane
New Brunswick, NJ 08902

Patterson Dental Co. (Booth #3)
1100 E. 80th Street
Minneapolis, MN 55420

Premier Dental Products Co. (Booth #43)
1710 Romano Drive
Norristown, PA 19401

Pulpdent Corp. of America (Booth #40)
75 Boylston Street
Brookline, MA 02147

Quality Aspirators (Booth #28)
1002 Dove Creek
Duncanville, TX 75116
Ransom & Randolph Co. (Booth #50)
324 Chestnut St.
Toledo, OH 43604

Sandoz Pharmaceuticals (Booth #24)
Ridgedale Avenue
East Hanover, NJ 07936

Charles B. Schwed Co., Inc. (Booth #1)
138 Audley Street
Kew Gardens, NY 11418

Southeastern Omni (Booth #20)
118 W. Popular
Griffin, GA 30224

Star Dental/A Synlex Dental Co. (Booth #13)
P.O. Box 896
Valley Forge, PA 19482

Sultan Chemists Inc. (Booth #27)
85 W. Forest Ave.
Englewood, NJ 07631

Treloar & Heisel, Inc. (Booth #51)
P.O. Box 1425
New Castle, PA 16103

Union Broach Corp. (Booth #29-30)
36-40 37th Street
Long Island City, NY 11101

Unitek Corp. (Booth #16-17-18)
2724 So. Peck Road
Monrovia, CA 91016

Whaledent International (Booth #36)
235 Fifth Avenue
New York, NY 10001

Xerox Medical Systems (Booth #37-38)
P.O. Box 5786
Pasadena, CA 91107
PARTICIPANT’S INDEX

A
Antrim, Donald D., p. 10
Arens, Donald E., pp. 15, 19
Armans, Annabelle, p. 21

B
Bakland, Leif K., p. 11
Balaban, Frank S., p. 22
Baldi, James, p. 13
Barton, Paul, p. 12
Beatty, Richard, p. 22
Beavers, Richard A., p. 22
Bell, W. Graig, p. 22
Bellizzi, Ralph, p. 9
Bernier, William E., p. 18
Bleichman, Harry, p. 17
Bolanos, Oscar R., p. 12
Botwinick, Leo, pp. 15, 19
Burg, Hans A., p. 23
Bushell, Adolph, pp. 15, 19

C
Camp, Joe H., pp. 16, 20
Chamberlin, John H., p. 9
Compion, Duane E., pp. 9, 12
Cote, Gilles, p. 15
Crump, M. Cameron, pp. 15, 19
Cunningham, Walter T., p. 11

D
Delivanis, Philip, p. 18
Dickey, David J., pp. 13, 21
Dietz, Gerald C., p. 16, 20
Donnelly, Jerome C., p. 23
Douglas, William, p. 14
Dow, Pierre R., pp. 16, 20
Drobotlji, Elias, p. 23

F
Ferguson, Stuart, p. 13
Fisher, Ben J., p. 23
Freecia, William F., p. 22
Fried, Irving L., pp. 16, 20
Fukada, Kunio, p. 13

G
Gaynor, Michael, p. 14
Geifland, Martin, pp. 13, 22
Germain, Lisa, p. 22
Gerstein, Harold, pp. 16, 20
Girsch, William J., p. 22
Goerig, Albert C., pp. 15, 18, 19
Goldman, Melvin, pp. 13, 14
Goldstein, Jacob, p. 17
Griffiths, Robert H., p. 8
Gross, Marvin A., p. 15
Grossman, Louis I., p. 25

H
Harris, Gary, pp. 13, 21
Harris, William E., pp. 16, 20
Hartness, John D., pp. 16, 20
Hasselgren, Gunnar, p. 9
Heaton, John F., p. 22
Hendler, Barry H., p. 14
Hertl, Norbert, p. 23
Heuer, Michael A., p. 11
Hicks, M. Lamar, p. 14
Himmel, Van T., p. 22
Hunter, John, p. 21

J
Jackson, Eric, p. 21
Jeffcoat, Marjorie, p. 21
Jiminez, Guillermo S., p. 18
Johns, Richard, p. 11

K
Kahn, Henry, p. 23
Keller, David L., p. 23
Kim, Syngcuk, p. 15
King, Ordie H., p. 8
King, Thomas, p. 13
Klopfer, Joanne, p. 22
Koga, Masaharu, p. 13
Kuttler, Yuri, p. 18
Lambert, Gwenet Lorna, p. 18
Langeland, Kaare, p. 12
Leeb, I. Joel, p. 18
Lemian, Leon, p. 15
Linden, Jeffrey W., p. 22
Luxl, Frank S., p. 22

Madison, Sandra, p. 22
Marcus, Richard, p. 21
Marshall, F. James, pp. 16, 20
Martin, Howard, p. 11
Massoud, Ahmed, p. 22
McSpadden, John T., pp. 15, 19
Messer, John B., p. 23
Michanowicz, Andrew E., pp. 16, 20
Michaud, Monique, p. 15
Michelich, Robert J., p. 10
Montes, Jesus R.
de Oca Pedrosa, p. 22
Morse, Donald Ray, p. 12

Nagasawa, H., p. 13
Naidorf, Irving J., p. 12
Nakamura, H., p. 13
Neaveth, Elmer J., p. 23
Newton, Carl W., p. 23
Nguyen, Nguyen T., pp. 16, 20

Oliet, Seymour, p. 25
Osetek, Edward M., p. 8

Parris, Leonard N., p. 25
Patterson, Samuel S., p. 23
Peterson, Larry J., p. 18
Pomeranz, Howard H., p. 23

Rafferty, Barbara, p. 9
Regan, John E., p. 9
Ringel, Michael, p. 21
Rose, Louis F., p. 14
Rossman, Samuel R., p. 25

Samani, Sami, p. 23
Sas, George, p. 15
Scholle, Roger H., p. 12
Secrist, Brian, p. 23
Seltzer, Samuel, pp. 13, 15, 21, 25
Serota, Kenneth, p. 21
Shepard, Lawrence, p. 23
Simon, James, p. 21
Sinai, Irving, p. 15
Smith, Jerald W., p. 22
Stanley, Harold R., pp. 15, 19
Stewart, George G., p. 25
Stoch, Russell, p. 21
Sunderman, Eric, p. 22

Taintor, Jerry F., pp. 15, 19
Tenca, Joseph F., p. 8
Terres, Anthony, p. 13
Tolson, William, p. 14
Tronstad, Leif, pp. 11, 25
Tuncay, Orhan C., p. 10

Vanek, Paul M., pp. 15, 19
Veis, Arthur, p. 11

Walton, Richard E., pp. 9, 11, 18
Warren, Steve, p. 22
Webber, Raymond T., pp. 15, 19
Weisberg, Martin, pp. 15, 19
Weisman, Manuel I., pp. 15, 19
Weissman, Robert V., p. 23
Wong, Marston, p. 21

Yamada, Russell, p. 21

Zakariassen, Kenneth, p. 14
AAE COMMITTEE MEETINGS

Thursday, April 30
7:00 am  1982 Annual Session Committee  .......... Room 4

Friday, May 1
12:15 pm  Editorial  ............... Room 5
          Education  ................ Room 3
          Honors and Awards  .......... Room 1
          Membership  ............... Room 6
          Peer Review  ............... Room 4

STUDY CLUBS, ALUMNI
and OTHER GROUPS

Wednesday, April 29
8:00 pm  Sam Seltzer Testimonial Dinner
          (by invitation)  .......... Dominion Ballroom

Thursday, April 30
7:30 am  Army Endodontic breakfast  .......... Room 3
7:30 am  Boston University Endo Alumni Assn.  .......... Room 6
5:00 pm  Clyde Davis Endodontic Study Club  .......... Room 10
6:30 pm  Boston University Endodontic Alumni Assn. cocktail party
          Philadelphia-Sheraton Hotel, Cafe Careme

Friday, May 1
7:30 am  Columbia University Endodontic Alumni Assn. breakfast  .......... Room 6
12 Noon  Pennsylvania Academy of Endodontists business meeting  .......... Room 2
6-8 pm   Univ. of Pennsylvania Annual Endodontic Alumni reception
          Provincial Ballroom
6:30 pm  Harvard Forsyth Endodontic Alumni Party
          (cocktails and dinner)  ......... Bookbinders Seafood House
          215 S. 15th Street

Saturday, May 2
7:30 am  Navy Endodontic breakfast  .......... Room 6
7:30 am  Harry Healey Endodontic Study Club breakfast  .......... Room 1

AWARD RECIPIENTS

EDGAR D. COOLIDGE AWARD

Bertram L. Wolfsohn  .................. 1974
Vincent B. Milas ..................... 1975
Worth B. Gregory .................... 1978
Jacob B. Freedland ................... 1980
Alfred L. Frank  ..................... 1981

LOUIS I. GROSSMAN AWARD

Louis I. Grossman  ................... 1973
Birger Nygaard-Ostby ................ 1976
I. B. Bender  ......................... 1978
Samuel Seltzer  ...................... 1980
Harold R. Stanley  ................... 1981
AMERICAN BOARD OF ENDOdontICS

1981
I.B. Bender
Melvin Goldman
James H.S. Simon

1982
Dudley H. Glick, pres.
Richard Moodnik
Joseph I. Tenca

1983
Gerald M. Cathey, secy.
Harold Gerstein
Raymond G. Luebke

TRUSTEES, AAE ENDOWMENT
AND MEMORIAL FOUNDATION

1981
Myron Chubin, vice ch.
Joseph D. Maggio
Jesse Mitchell, Jr.
Walter Soltanoff

1982
Maurice J. Friedman
Leo Grudin, ch.
Howard Martin
Manuel I. Weisman

1983
E. William Hicks
W. Paul Radman
Richard E. Schmidt
Herbert F. Spasser, secy.

Ex Officio: Michael A. Heuer and Gerald M. Cathey

PAST PRESIDENTS

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

Glenn R. Brooks  '61
Vincent B. Milas  '62
James H. Sherard, Jr.  '63
J.B. Freedland  '64
Henry S. Schmidt  '65
John I. Ingle  '66
Edwin C. Van Valey  '67
Samuel S Patterson  '68
Warren J. Hedman  '69
John F. Bucher  '70
Dudley H. Glick  '71
I.B. Bender  '72
Charles A. Scott, Jr.  '73
Alfred L. Frank  '74
Robert A. Uchim  '75
Frank B. Trice  '76
George A. Zurkowski  '77
Harry Blechman  '78
Paul E. Ziegler  '79

*Deceased

HONORARY MEMBERS

Mary C. Crowley
Louis I. Grossman
Walter Hess*

Maynard K. Hine
Oscar Maisto
Maury Massler
Harold Stanley

*Deceased
<table>
<thead>
<tr>
<th>AMERICAN ASSOCIATION OF ENDODONTISTS</th>
<th>AMERICAN DENTAL ASSOCIATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>39th Annual Session</td>
<td>122nd Annual Session</td>
</tr>
<tr>
<td>April 21-25, 1982</td>
<td>October 25-29, 1981</td>
</tr>
<tr>
<td>Hyatt &amp; Adams Hotel</td>
<td>Kansas City, Missouri</td>
</tr>
<tr>
<td>Phoenix, Arizona</td>
<td></td>
</tr>
<tr>
<td>40th Annual Session</td>
<td>123rd Annual Session</td>
</tr>
<tr>
<td>April 20-24, 1983</td>
<td>November 7-10, 1982</td>
</tr>
<tr>
<td>Diplomat Hotel</td>
<td>Las Vegas, Nevada</td>
</tr>
<tr>
<td>Hollywood, Florida</td>
<td></td>
</tr>
<tr>
<td>41st Annual Session</td>
<td>124th Annual Session</td>
</tr>
<tr>
<td>April 25-29, 1984</td>
<td>October 9-12, 1983</td>
</tr>
<tr>
<td>Royal York Hotel</td>
<td>Anaheim, California</td>
</tr>
<tr>
<td>Toronto, Canada</td>
<td>125th Annual Session</td>
</tr>
<tr>
<td></td>
<td>October 21-25, 1984</td>
</tr>
<tr>
<td></td>
<td>Atlanta, Georgia</td>
</tr>
</tbody>
</table>

AAE CENTRAL OFFICE
211 E. Chicago Avenue
Chicago, Illinois 60611
312/266-7255

Irma S. Kudo, Executive Director