ENDODONTICS '85:
THE CHALLENGE OF CHANGE
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**American Association of Endodontists**  
42nd Annual Session  
April 24-28, 1985  
San Diego, California
PRESIDENT’S MESSAGE

It is indeed a pleasure to welcome you to the 42nd Annual Session of the American Association of Endodontists. San Diego provides us a most beautiful and relaxed atmosphere in which to address many diverse but relevant subjects as well as to renew friendships and enjoy numerous special activities planned for us over the next four days.

Our theme “Endodontics ’85: The Challenge of Change” focuses on many of the issues identified by our membership and the AAE as having an impact on the future of endodontics. Dr. Stephen Cohen, General Chairman, and Dr. Terrence Hayes, Program Chairman, and their committees have orchestrated a program that should satisfy our professional appetites while at the same time combining a myriad of special events and activities that will provide us all with a meaningful and memorable visit in sunny California. Dr. Stephen Arlin and his Local Arrangements Committee have made sure that our stay here will abound with unmatched hospitality and enjoyable activities unique to San Diego.

I extend a special welcome to our many international members and guests who have come not only to participate in the annual session, but to represent their countries in the birth of an International Federation of Endodontic Associations.

Aside from the traditional meeting format which this year includes an impressive list of clinical, scientific, and practice management presentations, some very special events will take place. The creativity of our Annual Session Committee and the talents of Dr. Richard Burns will be in evidence with the opening Welcome/Fellowship Reception at Sea World on Wednesday and climaxed by an entertainment filled Saturday night “Black and White Ball”.

Important organizational activities scheduled include a very important General Assembly Meeting involving discussions and decisions having a significant impact on the future direction of the AAE. Don’t miss it!

Great meetings, such as this promises to be, represent countless hours of volunteer effort by our members and dedicated attention to every detail by our professional staff. To Stephen Cohen, Terrence Hayes, Stephen Arlin and their committees who have created such a well-balanced program and made us feel so comfortable in San Diego — our hats are off to you. To Irma Kudo, our Executive Director extraordinaire, and her staff of Laura Cancilla, Sandra DiRocco, Letty Catrambone and Elizabeth Peralta, who have made the entire experience so easy with their professional approach and concern for our enjoyment, we applaud you. And to you, our members and guests, I personally wish each of you a most enjoyable and rewarding meeting.

Stephen F. Schwartz, DDS, MS
President
AMERICAN ASSOCIATION OF ENDODONTISTS

EXECUTIVE COMMITTEE

Stephen F. Schwartz
President

Herbert Schilder
President-elect

Michael A. Heuer
Vice-president

Joseph D. Maggio
Secretary

Charles J. Cunningham
Treasurer

Steve Montgomery
Acting Editor

Donald E. Arena
Immed. Past president

Irma S. Kudo
Executive Director

BOARD OF DIRECTORS

1985
Leif K. Bakland
Carl L. Tinkelman

1986
Nguyen T. Nguyen
Milton Siskin
Herbert F. Spasser

1987
Myron Chubin
M. Lamar Hicks
Eric J. Hovland
WELCOME

The goal of your Annual Session Committee has been to assemble a program equal to the scenic, climatic and cultural pleasures of our host city, San Diego.

Toward this end we have assembled a varied and exciting program to stimulate you in the way you practice endodontics. There are also presentations to enrich your personal life as well as sports activities, wine-tasting and social events.

The number of technical exhibitors is increasing annually. Support them as they support our meeting. When possible, order your supplies and equipment from them at this meeting.

Personal and AAE thanks must go to the Local Arrangements Committee headed by Dr. Stephen Arlin and to the Program Committee. Thanks also to President Stephen F. Schwartz and General Chairman Stephen Cohen for their guidance, and to Mrs. Irma Kudo and the Central Office staff who have been superb with their assistance and attention to detail. A special thanks to the families of all involved for their patience and support.

Enjoy San Diego and our 42nd AAE meeting.

Terence W. Hayes, DDS
Program Chairman

ANNUAL SESSION COMMITTEE

Stephen Cohen
General Chairman

Terence W. Hayes
Program Chairman

Program
Continuing Education ..................... James L. Gutmann
Roundtable Seminars ...................... Joe H. Camp
Printed Program ........................ Irma S. Kudo
Research Seminars ....................... Melvin Goldman
Table Clinics/Poster Clinics .............. Mark E. Levine

General Arrangements
Local Committee Chairman ................ Stephen R. Arlin
Audio-Visual ................................ Edward M. Ossetek
                                      William Masheter
Banquets & Meals ......................... Richard C. Burns
Hospitality ................................ Paul E. Zeigler
Monitors ................................... Leif K. Bakland
Registration .............................. Robert Bravin
                                      Maurice Cutler
                                      Dominic Niccoli
Signs ...................................... Eugene C. Hanson
Sports .................................... Ned W. Jerge
                                      Gary B. Carr
Technical Exhibits ....................... Letty Catrambone
AAE Auxiliary Chairperson ............... Gina Schmidt

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 Town & Country Hotel is the headquarters hotel for the 42nd Annual Session.

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

General Registration - Mission Foyer
Wednesday, April 24: 11 am - 8 pm
Thursday, April 25: 8 am - 6 pm
Friday, April 26: 8 am - 5 pm

AAE MEMBERS (after March 12)
$175 (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
$225 (same as above)

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

NON-MEMBER PROFESSIONALS
$200 (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)

Exhibits - Presidio Room
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 San Diego. Complimentary coffee service will also 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 25: 10 am - 6 pm
Friday, April 26: 8 am - 5 pm
Saturday, April 27: 8 am - Noon

Roundtable Seminars/Computer Workshops
Tickets reserved in advance are included in each individual’s registration packet. To register for an open Roundtable Seminar or Computer Workshop, 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 registration area.

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

Saturday Dinner Dance
Your table selection for the 'Black and White Ball', 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 — Information not available at press time.

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

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

MONDAY, APRIL 22
9:00 am - 6:00 pm
ABE BOARD OF DIRECTORS MEETING
El Camino Room

TUESDAY, APRIL 23
9:00 am - 5:00 pm
E&M FOUNDATION TRUSTEES MEETING
Council Room
8:00 am - 5:00 pm
ABE ORAL EXAMS
De Anza, Mesa, Adobe & El Camino Rooms

WEDNESDAY, APRIL 24
9:00 am - 5:00 pm
AAE BOARD OF DIRECTORS MEETING
Council Room
8:00 am - 5:00 pm
ABE ORAL EXAMS
De Anza, Mesa, Adobe & El Camino Rooms
11:00 am - 8:00 pm
REGISTRATION
Mission Foyer

CONTINUING EDUCATION COURSE
San Diego Room (Pre-registration required.)
Comprehensive diagnosis and management
of pain in endodontic practice
Moderators: JAMES L. GUTMANN, DDS, Dallas
EDWARD M. OSETEK, DDS, MA, Chicago
8:30 am
Welcome
8:45 am
Pathways of pain mechanisms in the head and neck
PIERRE R. DOW, DDS, MSC, University of British
Columbia
10:15 am
Coffee break — Golden West Room
10:30 am
Non-dental pain: Clinical examination and
differential diagnosis
SAMUEL SELTZER, DDS, Temple University
12 Noon
Luncheon — Golden West Room
1:00 pm
Neurological considerations in the diagnosis and
management of head and neck pain
JOSEPH TOGLIA, MD, Temple University
2:30 pm
Coffee break — Golden West Room
2:45 pm
Chronic pain and its serious complications for both
the patient and the practitioner
JOHN J. BONICA, MD, University of Washington
4:15 pm
Discussion
6:00 pm - 9:30 pm
EVENING AT SEA WORLD
(By ticket only. Buses depart every 30 minutes
beginning at 6 pm)

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

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS

IMPORTANT NOTICE
Be sure to exchange your voucher by 5:00 pm Thursday to reserve a seat for the Black & White Ball dinner dance on Saturday. Your cooperation will be appreciated as we cannot extend this deadline.
THURSDAY MORNING, APRIL 25

8:00 am
REGISTRATION
6:00 pm
Mission Foyer

8:00 am
OPENING SESSION BREAKFAST
9:45 am
(By ticket only)
Golden West & California Rooms

KEYNOTE: STEPHEN F. SCHWARTZ, DDS, MS
"Winning at the Slowest Possible Speed"

10:00 am
EXHIBITS
6:00 pm
Presidio Room

BUSINESS SESSIONS I and II
Town & Country Room
Moderator: JACK A. WEICHMAN, DDS, JD,
Pacific Palisades, CA

10:00 am
The Verdict — a courtroom drama on malpractice
in endodontics
Attorneys: EDWIN ZINMAN, DDS, JD and
ARThUR CURLEY, JD, San Francisco

A simulated courtroom drama involving a patient,
his dentist, their attorneys, a judge and jury. The
drama will be moderated for your ease in under-
standing any complex legalities. As a spectator you
will have the opportunity to compare your verdict to
the jury's. An enlightening update on endodontics
and the law.

SCIENTIFIC SESSION I
Padre & Sierra Rooms
Moderator: ROBERT J. ROSENBERG, DDS,
DScD, Greenbrae, CA

10:00 am
Head, neck, and TMJ pain that mimics endodontic
pain
TERRY TANAKA, DDS, Chula Vista, CA

Among the many pain disorders that affect the head,
neck, and face are referred pains that mimic
endodontic tooth pain and are the cause of
numerous endodontic therapies and eventual
extractions. The specialist's ability to differentiate
referred facial pains from pain of endodontic origin
must be based upon a rational medical-dental
model of differential diagnosis. This model will be
demonstrated along with its clinical implications
in endodontics.

RESEARCH SEMINARS I
San Diego Room
Moderator: MELVIN GOLDMAN, DDS,
Worcester, MA

10:00 am
Speed of canal preparation using different
endodontic irrigants: A time-motion study
BRIAN A. MYKLEBY*, DDS;
KEITH V. KRELL, DDS, MS, MA, University of Iowa

10:15 am
SEM comparison of ultrasonic vs. hand
instrumentation of root canals
MARK C. BAKER*, DDS, S. H. ASHRAFI, PhD;
JOSEPH E. VANCURA, DDS;
NILOLE A. REMEKIS, DDS, University of Illinois

10:30 am
Endosonic vs. hand instrumentation time
DAVID W. PEDICORD*, DDS;
MAHMoud E. ELDEEB, BDS, MS;
HAROLD H. MESSER, MDSc, PhD,
University of Minnesota

10:45 am
SEM study of ultrasonically energized files with and
without flutes
VICTOR M. GARCIA*, DDS, S. H. ASHRAFI, PhD;
ROBERT ZELIKOW, DDS;
NILOLE A. REMEKIS, DDS, University of Illinois

11:00 am
The effectiveness of intracanal medicaments on
anaerobic organisms in endodontics
SIDNEY W. SIMMONDS*, DDS;
PAMELA PAPPAS, DMD; MELVIN GOLDMAN, DDS;
CHARLES -IAIBB, DMD, PhD, Tufts University

11:15 am
Impact of thermal tests on the human pulp
BRUCE D. RICKOFF*, DDS;
HENRY O. TROWBRIDGE, DDS, PhD, ZVI FUSS, DMD;
I. B. BENDER, DDS, Albert Einstein Medical Center
and University of Pennsylvania

11:30 am
The apical dentin plug in root canal preparation
STEVEN M. PATTERSON*, DDS, MSD;
SAMUEL S PATTERSON, DDS, MSD;
CARL W. NEWTON, DDS, MSD;
ABDEL KAFRAWY, BDS, MSD, Indiana University

11:45 am
Comparing dentin chips, hydroxylapatite, and
demineralized dentin as apical plugs
D. WYLIE BRANDELL*, DDS;
MAHMoud TORABINEJAD, DMD, MSD;
LEIF K. BAKLAND, DDS, Loma Linda University

*PRESENTER
PROGRAM (continued)

THURSDAY AFTERNOON, APRIL 25

12 Noon- LUNCHEON
1:30 pm On your own

BUSINESS SESSION II
Town & Country Room

1:30 pm- The Verdict
5:00 pm (Continued from morning session.)

COMPUTER WORKSHOP
Friars Room
(Limited attendance. Pre-registration required)

2:00 pm- GERALD C. DIETZ, DDS, MS, Birmingham, MI
5:00 pm This hands-on workshop will help you understand the automated endodontic office. Information necessary for making a wise choice of computers will be given and data processing equipment will be available to give you the opportunity to input data and to analyze computer generated reports. (Computer equipment provided through the courtesy of Kelly Systems of Birmingham, MI)

5:00 pm- AADS Endodontic Section Meeting
6:00 pm Padre & Sierra Rooms

SCIENTIFIC SESSION II
Padre & Sierra Rooms
Moderator: BRUCE H. SEIDBERG, DDS, MS, Syracuse, NY

2:00 pm- The status of implants in an endodontic practice
5:00 pm LARRY G. LOOS, DDS, San Francisco
Dental implants have achieved a very poor reputation in the United States. Spurred by excellent clinical research in Sweden, predictably successful dental implants are appearing in the nineteenth eighties. Dr. Loos will review implants in general and discuss several specific systems which have a certifiable history. All of these implants will affect total case treatment planning.

1:30 pm- ROUNDTABLE SEMINARS
3:00 pm (Limited attendance. Pre-registration required)

RT 1 Council Room
Perio-endo lesions: a diagnostic dilemma
GARY R. HARTWELL, DDS, MS, Evans, GA

RT 2 Chamber Room
Geriatric endodontics
JERRY F. TAINTOR, DDS, MS, Sherman Oaks, CA

RT 3 Cabinet Room
Better buildups for endodontically treated teeth
ALAN G. SELBST, DMD, MS, Houston

RT 4 Forum Room
Restoration following endodontic treatment
GARY N. TAYLOR, DDS, MS, Maywood, IL and KENNETH C. TRABERT, DDS, Santa Monica, CA

RT 5 Senate Room
Endodontic surgery utilizing I.M. and I.V. sedation
STEVEN A. HELD, DDS, State College, PA

RT 6 Committee Room
Oral infection: spread and localization
HEDLEY RAKUSIN, DDS, and JOHN B. ROSS, DDS, Dallas

3:15 pm- ROUNDTABLE SEMINARS
4:45 pm (Limited attendance. Pre-registration required)

RT 7 Council Room
Endosonic endodontics
HOWARD MARTIN, DMD, Silver Spring, MD and WALTER T. CUNNINGHAM, DDS, Annapolis, MD

RT 8 Chamber Room
Injectable gutta-percha — the endodontic revolution
JAY MARLIN, DMD, Worcester, MA

RT 9 Cabinet Room
A new dimension in root canal obturation
ANDREW E. MICHA-NOVICZ, DDS;
JOHN P. MICHA-NOVICZ, DDS;
MARIO CZONSTKOWSKY, DDS, MDS, Pittsburgh, PA

RT 10 Forum Room
Expeditious endodontics and promising technique enhancements
JOHN T. McSPADDEN, DDS, Johnson City, TN

RT 11 Senate Room
Surgical endodontics
CLIFFORD J. RUDDLE, DDS, Santa Barbara, CA

RT 12 Committee Room
Antibiotics in endodontics
ANTHONY D. GOODMAN, DDS, MS, Los Angeles

NEED A BREAK?
Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area (Presidio Room) on Thursday and Friday, 10:30 am-12 noon and 2:30 pm-4:00 pm.
RESEARCH SEMINARS II
San Diego Room
Moderator: SEYMOUR OLIET, DDS, Philadelphia

1:30 pm Electronic apex locators' reliability in gly-oxide*, ethanol and desiccated canals
JOHN N. KIRK*, DDS, MA; RAYMOND L. WARNER, PhD; JOHN R. LUDINGTON, JR., DDS, MSD; JEFFREY HOOVER, DMD, MS, University of Texas; GERALD F. KUTISH, PhD, University of Nebraska

1:45 pm Properties of an experimental endodontic sealer
GERALD N. GLICKMAN*, DDS, Baylor College of Dentistry; E. H. GREENE, PhD; EDWARD M. OSETEK, DDS, MA, Northwestern University

2:00 pm Marginal leakage between temporary sealing materials and restorative materials
JAMES P. OSMOND*, DDS, MSD; M. L. SWARTZ, MS; M. A. COCHRAN, DDS, MSD; CARL W. NEWTON, DDS, MSD, Indiana University

2:15 pm Dye leakage in dentin bonded restorations coated with retrofilling materials
KIRK R. RYSKAMP*, DDS; LEIF K. BAARDSEN, DDS; MAHMOUD TORABINEJAD, DMD, MSD, Loma Linda University

2:30 pm Fluorescent demonstration of sealer penetration into dentinal tubules
MARIA A. RABBIO*, DMD; ROBERT WHITE, DMD; MELVIN GOLDMAN, DDS; JOHN BELL, DDS; ALLAN GREENBERG, DMD, P. S. LIN, PhD, Tufts University and New England Medical Center

2:45 pm Radioimmunoassay of prostaglandins in painful and asymptomatic human dental pulps
JAY S. COHEN*, DMD, MS; RICHARD FERTEL, PhD; ALFRED W. READER, DDS, MS; F. MICHAEL BECK, DDS, MA; WILLIAM J. MEYERS, DMD, ME ed, Ohio State University

3:00 pm The detection of immune complexes in untreated periapical lesions
SUNIL R. Srinivasan*, BDS; RUSSELL J. NISENGARD, DDS, PhD; MING SHIH LEVINE, DDS, MS, State University of New York at Buffalo

3:15 pm Identification of *bacteroides* SP. in human dental pulp by immunofluorescence microscopy
EUGENE A. PANTERA, JR.*, DDS; JOSEPH J. ZAMIA, DDS, PhD; MING SHIH LEVINE, DDS, MS, State University of New York at Buffalo

3:30 pm The electric pulp tester: Measurement of analgesia in human teeth
LEE J. DREYER*, DMD, MS; ALFRED W. READER, DDS, MS; F. MICHAEL BECK, DDS, MA; WILLIAM J. MEYERS, DMD, ME ed; JOEL WEAVER, DDS, PhD, Ohio State University

3:45 pm Volumes and concentrations of lidocaine in human IAN block
DAVID L. VREELAND*, DDS, MS; ALFRED W. READER, DDS, MS; F. MICHAEL BECK, DDS, MA; WILLIAM J. MEYERS, DMD, ME ed, Ohio State University

4:00 pm The periodontal ligament injection: A comparison of various solutions
JOHN R. SCHLIEDE*, DDS, MS; ALFRED W. READER, DDS, MS; F. MICHAEL BECK, DDS, MA; WILLIAM J. MEYERS, DMD, ME ed, Ohio State University

4:15 pm The effects of Nd-YAG laser irradiation on dyed canal wall dentin
DOUGLAS N. DEDERICH*, DDS; KENNETH L. ZAKARIASEN, DDS, MS, PhD; JOHN TULIP, PhD, University of Alberta

4:30 pm Osseous reactions to three hemostatic agents
JOSE LUIS E. IBARRA*, CD, MS; J. E. BJORENSON, PhD; B. P. AUSTIN, PhD; HAROLD GERSTEIN, DDS, Marquette University

4:45 pm Prophylactic penicillin usage in cases of asymptomatic periapical pathosis
ESTUARDOC, MATA*, DDS; LARRY Z. KOZEN, DDS; DONALD R. MORSE, DDS; IRVING H. SINAL, DDS, Temple University

*PRESENTER
PROGRAM (continued)

FRIDAY MORNING, APRIL 26

6:00 am  FUN RUN
(Pre-registration required) Buses depart from
Convention Center Entrance

8:00 am- 5:00 pm  REGISTRATION
Mission Foyer

8:00 am- 8:45 am  CONTINENTAL BREAKFAST
(By ticket only)
Golden West & California Rooms

8:00 am- 5:00 pm  EXHIBITS
Presidio Room

BUSINESS SESSION III
Town & Country Room
Moderator: RICHARD H. YAMANAKA, DDS,
Napa, CA

9:00 am- 12 Noon  The emergency within: stress inside and outside of
endodontics
(For members and spouses)
EDMOND C. HALLBERG, MA, EdO and
KAYLENE HALLBERG, MA, Sierra Madre, CA
This presentation will look at stress and its effects on
the dentist and on his/her spouse and practice.
Special dental stressors will be examined and, using
the stress schedule developed by the Hallbergs, the
stress level of individual participants will also be
examined. Learn the S.T.E.P. U.P. method of
stress reduction.

SCIENTIFIC SESSION III
Padre & Sierra Rooms
Moderator: ROGER T. CZARNECKI, DDS,
Buffalo, NY

9:00 am- 12 Noon  Uncommon problems in your office
JOHN W. BEIERLE, PhD, Los Angeles
This presentation will discuss the current status of
AIDS as it is related to causative agents,
transmission, oral clinical findings, diagnosis and its
debilitating action. The section on herpes will
update the clinician on members of the herpes
group in regard to prevention of transmission in the
operator. The status of herpes as a cancer inducing
agent will be discussed.

9:00 am- 11:00 am  ROUNDTABLE SEMINARS
(Limited attendance. Pre-registration required)

RT 13* Chamber Room
Injectable gutta-percha - the endodontic revolution
JAY MARLIN, DMD, Worcester, MA

RT 14* Council Room
Endosonic endodontics
HOWARD MARTIN, DMD, Silver Spring, MD and
WALTER T. CUNNINGHAM, DDS, Annapolis, MD

RT 15* Cabinet Room
A new dimension in root canal obturation
ANDREW E. MICHANOWICZ, DDS,
JOHN P. MICHANOWICZ, DDS,
MARIO CZONSTKOWSKY, DDS, MDS,
Pittsburgh, PA

RT 16* Forum Room
Expediuous endodontics and promising
technique enhancements
JOHN T. McSPADDEN, DDS, Johnson City, TN

RT 17 Senate Room
“Bacteria busters” — a clinical update on efficient
office organization & instrument sterilization
ROBERT E. AVERBACH, DDS, Denver, CO

RT 18 Committee Room
Practical periodontics for the practicing endodontist
PAUL L. MICHAELIDES, DDS, MScD, Fresno, CA

*Repeat of Thursday's Roundtable

9:00 am- 12 Noon  COMPUTER WORKSHOP
(Frars Room
(Limited attendance. Pre-registration required)
GERALD C. DIETZ, DDS, MS, Birmingham, MI
(Repeat of the workshop presented on Thursday)
RESEARCH SEMINARS III
San Diego Room
Moderator: SAMUEL SELTZER, DDS, Philadelphia

9:00 am Resistance to fracture of restored endodontically-treated premolars
MARTIN TROPE*, BDS;
DAVID MALTZ, DMD, MScEd;
I. LANGER, DMD; LEIF TRONSTAD, DMD, PhD,
University of Pennsylvania

9:15 am A comparison between xeroradiography and conventional radiography in the diagnosis of endodontic lesions
RAHIM A. BARKHORDAR*, DMD;
RONALD J. NICHOLSON, DDS,
University of California at San Francisco

9:30 am Detection of developing periapical lesions using digital subtraction radiography
JOSEPH H. INTROCASO*, DMD;
ELIZEU A. PASCON, DDS, MS;
J. E. GRASSO, DDS, MS;
KAARE LANGELAND, DDS, PhD,
University of Connecticut

9:45 am A method for the development of predictable periapical lesions
ELIZEU A. PASCON*, DDS, MS;
JOSEPH H. INTROCASO, DMD;
KAARE LANGELAND, DDS, PhD,
University of Connecticut

10:00 am An SEM survey of root canal debridement using three irrigants
J. CRAIG BAUMGARTNER*, DDS;
CARSON L. MADER, DMD, MSD;
Walter Reed Army Medical Center

10:15 am An SEM study of the extent of the odontoblastic process
MELVIN GOLDMAN*, DDS;
ROBERT R. WHITE, DMD, Tufts University

10:30 am Presence of osteoclast activating factor in human periapical lesions
RICHARD A. LUBEN*, PhD;
MAHMOUN TORABINEJAD, DMD, MSD,
Loma Linda University

10:45 am CO₂ and Nd-YAG laser fusion of dentin plugs in root canals
KENNETH L. ZAKARIASSEN*, DDS, MS, PhD;
DOUGLAS N. DEDERICH, DDS;
JOHN TULIP, PhD, University of Alberta

11:00 am Etiologic factors leading to root canal procedure
GILBEHT CYH*, DDS; LAURENCE ARVIS, DDS;
KAMRAN SAFAVI, DMD, Med;
KAARE LANGELAND, DDS, PhD,
University of Connecticut

11:15 am Evaluation of antimicrobial potential of calcium hydroxide in vivo and in vitro
KAMRAN SAFAVI*, DMD, Med;
WILLIAM E. DOWDEN, DDS;
KAARE LANGELAND, DDS, PhD,
University of Connecticut

11:30 am Evaluation of tissue reaction to endodontic materials
KAARE LANGELAND*, DDS, PhD;
ELIZEU A. PASCON, DDS, MS;
M. R. LEONARDO, DDS;
KAMRAN SAFAVI, DMD, Med,
University of Connecticut

11:45 am The ferret as an animal model in endodontic research
G. REX HOLLAND, BDS, PhD,
University of Alberta

*CASSETTE TAPES OF SCIENTIFIC SESSIONS
are available from American Audio Association in the Registration area.
FRIDAY AFTERNOON, APRIL 26

LUNCHEON
12 Noon-1:45 pm
(By ticket only)
Golden West & California Rooms

BUSINESS SESSION IV
2:00 pm-5:00 pm
Town & Country Room
Moderator: BURTON H. PRESS, DDS, Alamo, CA
Delivery & reimbursement: They're changing — are you?
Panel: MYRON J. BROMBERG, DDS, Reseda, CA;
JOHN F. FIELD, DDS, San Francisco;
JESSE D. MILLER, JD, Los Angeles;
RICHARD E. SCHMIDT, DDS, San Diego
An up-to-the-minute report and analysis of recent legislation and caselaw and their impact on the practice of dentistry. Also discussed will be some of the legal limitations and restrictions operative on organized dental groups in aggressive representation of members, and certain cautions to observe regarding alternative delivery systems.

SCIENTIFIC SESSION IV
2:00 pm-5:00 pm
San Diego Room
Moderator: JOSEPH J. WILLIAMS, DDS, Boston
Genetic engineering in endodontics
HAROLD C. SLAVKIN, DDS, Los Angeles
Genetic engineering has a number of biotechnical advantages, including many applications related to clinical dentistry. Recent advances in recombinant DNA technology are enhancing diagnosis, therapy, post-therapy predictions and prevention. This biotechnology is developing novel procedures to induce new bone, cartilage, skin, enamel, dentin, and even cementum. Highlights from this “biological revolution” will be presented.

SPECIAL SESSION
(For members and spouses)
4:00 pm-5:30 pm
Senate & Committee Rooms
Moderator MARSHALL D. PEIKOFF, DDS, MSD, Winnipeg, Canada
The joys of wine: Its humor, history and health
HERBERT F. SPASSER, DDS, New York
The life of wine, like that of a man, is molded by the circumstances it faces over time. As we ourselves alter in form, if not essence, so do the wines stored in a cellar or on a shelf. So also do our judgements of them. Dr. Spasser will enhance the way we look at the wine we drink, and the pleasure we derive from it. On the lighter side, Dr. Spasser will highlight the history and humorous lore of wine.

NEED A BREAK?
Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area (Presidio Room) on Thursday and Friday, 10:30 am-12 noon and 2:30 pm-4:00 pm.

SMOKING
For the comfort of others, no smoking is permitted in the meeting rooms.
SATURDAY MORNING, APRIL 27

8:00 am-8:45 am  CONTINENTAL BREAKFAST
(By ticket only)
Golden West & California Rooms

8:00 am-12 Noon  EXHIBITS
Presidio Room

BUSINESS SESSION V
Town & Country Room
Moderator: DONALD E. ARENS, DDS, MSD, Indianapolis
9:00 am-12 Noon
Dentistry — the reports of our demise are premature
BURTON H. PRESS, DDS, Alamo, CA
If you're a contrarian, now is the time to invest in
dentistry. What are the socio-political forces
impacting the health professions and is there a
future for you and me? Come and participate in a
lively discussion.

RESEARCH SEMINARS IV
San Diego Room
Moderator: JOSEPH I. TENCA, DDS, Boston
9:00 am  The effects of CO2 ice on PFM restorations
KEITH KRELL*, DDS, MS, MA;
SANDRA MADISON, DDS, MPH, MS;
RICHARD JORDAN, DDS, MS, University of Iowa

9:15 am  Rubber dam retainers: effects on porcelain-fused-to-metal restorations
SANDRA MADISON*, DDS, MPH, MS;
RICHARD JORDAN, DDS, MS;
KEITH KRELL, DDS, MS, MA, University of Iowa

9:30 am  Endodontic access openings through cerestore crowns
PAUL TEPLITSKY*, DMD, MS;
J. KENNETH SUTHERLAND, DMD, MS,
University of Saskatchewan

9:45 am  Efficacy of different pulp testing procedures
ZVI FUSS*, DMD; BRUCE RICKOFF, DDS;
HENRY TROWBRIDGE, DDS, PhD;
I. B. BENDER, DDS, Albert Einstein Medical Center
and University of Pennsylvania

10:00 am  Controlled released of endodontic medicaments
ZU-PYN YANG*, DDS; LEIF TRONSTAD, DID, PhD;
MARTIN TROPE, BDS; FREDERIC BARNETT, DMD,
University of Pennsylvania

10:15 am  Canal wall thickness of mandibular molars after different preparation techniques
STEVE MONTGOMERY, DDS,
University of Texas at San Antonio

10:30 am  Low temperature injection of gutta-percha: A scanning electron microscope investigation
MARIO CZONSTKOWSKY*, DDS, MDS;
ANDREW MICHANOWICZ, DDS;
NICHOLAS PESCO, PhD, University of Pittsburgh

10:45 am  The use of a dentinal bonding agent as a root canal sealer
OMAR ZIDAN*, BDS, HHD, MS, PhD;
MAHMOUD ELDEEB, BDS, MS,
University of Minnesota

11:00 am  Bacteriological status of the root canal after sonic, ultrasonic and hand instrumentation
FREDERIC BARNETT*, DMD; MARTIN TROPE, BDS;
MOHAMAD KHOJA, DDS;
LEIF TRONSTAD, DMD, PhD,
University of Pennsylvania

11:15 am  Performance of endoscopics in curved root canals
BRUCE CHENAIL, DMD, MS;
PAUL TEPLITSKY*, DMD, MS,
University of Saskatchewan

11:30 am  Apical seal using calcium hydroxide sealers with laterally condensed gutta-percha
JOEL ALEXANDER*, DDS, MA;
TERENCE GORDON, BDS,
University of Texas at San Antonio

11:45 am  Evaluation of three materials for the repair of furcation perforations
RAMON AQUINRE*, CD, MS, University of Missouri;
MAHMOUD ELDEEB, BDS, MS;
MOHAMED ELDEEB, BDS, DOS, MS,
University of Minnesota

*PRESENTER
PROGRAM (continued)

SATURDAY MORNING (continued)

9:00 am-12 Noon POSTER CLINICS Friars Room

PC 1 Periapical pathology and electronic canal measurement
AIDA A. CHOHAEB, DDS, MSD, Washington, DC

PC 2 Comparison of traditional and ultrasonic methods of instrumentation
DONALD M. COLLINSON, DDS, Edmonton, Canada

PC 3 A comparison of intermediate and long-acting local anesthetics for endodontic therapy
JOEL L. DUNSKY, DDS, Boston

PC 4 Dental hypersensitivity — its biological basis
G. REX HOLLAND, BDS, PhD, Edmonton, Canada

PC 5 The endodontic periapical lesion: pictorial review and recent advances
ALAN NEVINS, DDS and PETER CERAVOLO, DDS, East Meadow, NY

PC 6 A scanning electron microscopic study of usage wear on endosonic files
GERALD L. SCOTT, DDS, Iowa City

PC 7 PDL injection — evaluating the extent of anesthesia and post anesthetic discomfort
RICHARD E. WALTON, DMD, MS and JOSEPH D’SOUZA, DDS, Iowa City

PC 8 The effect of apical dentin plug length on canal sealability
KENNETH L. ZAKARIASEN, DDS, MS, PhD, Edmonton, Canada

PC 9 A new method for evaluating leakage in the root canal system
THOM C. DUMSHA, DDS, MS, Baltimore, MD and ERIC HOVLAND, DDS, MBA, Louisville, KY

GRADUATE-Student SECTION

PC 10 Making of a cast post and core following fabrication of the crown
JAMES L. BRAMBLE, DDS and JACK H. BAUR, DDS, West Virginia University

PC 11 A light microscopic and SEM study of pulps from traumatized teeth
THOMAS J. CIPRIANO, DDS, MS, University of Iowa

PC 12 Comparison of two techniques in obtaining mandibular anesthesia
DARRELL A. DANG, DDS, University of Iowa

PC 13 Gutta-percha: thermochemical properties
ASUNCION GARCIA-CASARES, MD, DMD, Boston University

PC 14 The Mohorn technique for repairing mandibular molar perforations
KATHY L. JEFFERSON, DDS, and LINDA G. LEVIN, DDS, University of North Carolina

9:00 am-12 Noon TABLE CLINICS Padre & Sierra Rooms

TC 1 The phoenix restoration
JOHN T. BIGGS, DDS, MEd, MS and CLYDE L. SABALA, DDS, Oklahoma City

TC 2 Referred pulpal pain
JOSE LUIS MEBRILLO, DDS, MSD and GRACIELA CORTES, DDS, MS, Torreon, Mexico

TC 3 The sectional warm gutta-percha technique
AHMAD FAHID, DDS, MA, Los Angeles and JERRY F. TANTOR, DDS, MS, Sherman Oaks, CA

TC 4 A simple and accurate technique for measuring root canal length
NOBORU INOUE, DDS, DDS, Tokyo, Japan

TC 5 The use of the electro-mallet for retrograde removal of twist-off silver points
JAMES H. ISSACSON, DDS, San Diego

TC 6 Root canal preparation: a comparison of mechanical and endosonic preparations
JEAN-MARIE LAURICHESSE, DDS, and GERARD ARWANDOU, DDS, Paris, France

TC 7 The AG100 — a simplified portable system for radiographs in the school clinic
CESAR MEXIA de ALMEIDA, MD, DDS, Lisbon, Portugal
TC 8  The supersonic endodontic system: preparation and obturation
       ATSUMU MIYAHARA, DDS, Higashiosaka, Japan and
       JOSEPH D. MAGGIO, DDS, Chicago

TC 9  Saving the molar with a perforated furcation
       JAMES B. ROANE, DDS, MS, and
       FRED W. BENENATI, DDS, MEd, Oklahoma City

TC 10 The insulin syringe and pediatric endodontics
       MANUEL I. WEISMAN, DDS, Augusta, GA

TC 25 Opian carrier method
       HARUHIRO OHTSU, DDS, Tokyo, Japan

GRADUATE-Student SECTION

TC 11 A technique for isolating the crownless tooth
       ROBERT E. WIDIS, DDS, University of North Carolina

TC 12 Solving isolation problems
       JOHN D. BRAMWELL, DDS, and
       GERALD M. CIMIS, DDS, MBA, Naval Dental School

TC 13 Surgical trephination, indications and technique
       DINAH CHELM, DDS and DAVID J. PARKINS, BDS,
       Baylor College of Dentistry

TC 14 A matter of splinting
       AMY B. DUKOFF, DMD,
       Kingsbrook Jewish Medical Center

TC 15 Retrograde endosonics
       ROBERT K. FLATH, DDS, and
       MARION C. ELDRIDGE, DMD, Naval Dental School

TC 16 A light and scanning electron microscopic evaluation of the Boston University
       cleaning and shaping method
       IRA S. HANDELSMAN, DDS and
       THOMAS R. BIZIOREK, DDS, Boston University

TC 17 Evaluation of root canals using an endosonic system
       DEREK V. MILES, DMD and
       ELMER J. KEAVERTH, DDS,
       Medical College of Georgia

TC 18 Restoration of endodontically-treated posterior teeth — An alternative to posts
       RANDY W. OGDEN, DDS and
       JOHN R. LUDINGTON, DDS, MSD,
       University of Texas at Houston

TC 19 A three-dimensional approach to endodontic therapy
       TERRELL F. PANNKUK, DDS and
       HOWARD J. LUDINGTON III, DDS, Boston University

TC 20 A comparison of instrumentation techniques using modified and non-modified instrument tips
       STEVEN EUGENE POWELL, DDS and
       BRADLEY EEN MAZE, DDS,
       VA Hospital Long Beach

TC 21 Flap design and management in periradicular surgery
       HEDLEY RAKUSIN, BDS, MSc and
       RAMONA TORGERSON, DDS,
       Baylor College of Dentistry

TC 22 Esthetic restorations for endodontically treated anterior teeth
       MICHELE REYNOLDS, DDS and
       SANDRA MADISON, DDS, MPH, MS,
       University of Iowa

TC 23 Diagnostic problem: cluster headaches mimicking dental pain
       WILLIAM J. ROME, DMD,
       Wilford Hall Medical Center

TC 24 Repair of the furcation perforation
       JOHN A. WEISENSEEL, DDS and
       JOHN BERUDE, DDS, Naval Dental School
PROGRAM (continued)

SATURDAY MORNING (continued)

SCIENTIFIC SESSION V
Council Room
Moderator: FULTON S. YEE, DDS, San Francisco

9:00 am Injection of thermoplasticized low-temperature gutta-percha
ANDREW E. MICHALOWICZ, DDS; MARIO CZONSTKOWSKY, DDS, MDS, and JOHN P. MICHALOWICZ, DDS, Pittsburgh
An injection technique to fill root canals without the use of compaction will be introduced. The results of two and one-half years of in vitro testing with methylene blue, radioactive isotopes, and the scanning electron microscope will be shown. The preliminary results of a major clinical study being conducted at the University of Pittsburgh will be previewed.

10:00 am An update on chelation and fibration in endodontic practice
GEORGE G. STEWART, DDS, Philadelphia
Many years of both research and clinical experience have resulted in improved treatment procedures, since "EDTA and Urea Peroxide for Root Canal Preparation" was originally published. It is now more useful, not only in routine therapy, but also in the more complex problems that we are now called upon to deal with.

11:00 am Thirty-six years of root canal therapy with the precision controllable and biologic technique
YURY KUTTLER, DDS, MD, Mexico City, Mexico
It is possible that many root canal techniques, using a diversity of materials, do not achieve a success rate great enough to justify their constant use. Despite the modest success rate, these materials and techniques were used because of a lack of controlled study. Since 1948, much time has been spent in investigation, practice and comparison of various methods, resulting in the Precision, Controllable and Biologic Technique. This technique can be applied in 84% of fully developed and properly prepared and filled canals and obtains an 89.2% success rate from the correct therapeutic standpoint.

SATURDAY AFTERNOON, APRIL 27

12 Noon- EDGAR D. COOLIDGE LUNCHEON
1:30 pm (By ticket only)
Golden West & California Rooms
Speaker: LOUIS I. GROSSMAN, DDS

1:30 pm- 5:30 pm
GENERAL ASSEMBLY MEETING
Town & Country Room

7:00 pm- 8:00 pm
PAST PRESIDENTS' RECEPTION
Atlas Foyer

8:00 pm- Midnight
DINNER DANCE
"The Black and White Ball"
Atlas Ballroom

SUNDAY, APRIL 28

8:00 am- CONTINENTAL BREAKFAST
8:45 am (By ticket only)
Presidio Room

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

SCIENTIFIC SESSION VI
Padre & Sierra Rooms
Moderator: JAMES GUTTUSO, DDS, West Palm Beach, FL

9:00 am- 12 Noon
The management of pain in endodontics — 1985
STANLEY MALAMED, DDS, Los Angeles
This program will review many new developments that have occurred in the field of pain control over the past few years. Dr. Malamed will discuss drugs including bupivacaine, etidocaine, carticeine, and 2-chloroprocaine; instruments including PDL syringes, newer needles, and changes in the local anesthetic cartridge; and techniques including Gow-Gates, Akinosi (closed mouth), PDL, and Bourgoyne (curved needle). Also discussed will be specific local anesthetic problems in endodontics.

CASSETTE TAPES OF SCIENTIFIC SESSIONS
are available from American Audio Association in the Registration area.
AAE COMMITTEE MEETINGS

Thursday, April 25, 12 Noon
Dental Care and Clinical Practice El Camino
Education Mesa
Honors and Awards De Anza
International Relations Adobe
Research Mesa

Saturday, April 27, 7:30 am
Editorial Board Committee
Member Services Forum
Membership Cabinet
Public and Professional Affairs Senate
Student Affairs Cabinet

Friday, April 26, 7:30 am
Student Affairs (Student Member Orientation) De Anza/Mesa

ALUMNI, STUDY CLUBS & OTHER GROUPS

Thursday, April 25
AADS Endodontic Section Meeting Padre/Sierra
Army Endodontic Dinner Senate/Committee

Friday, April 26
Boston University Endodontic Alumni Cocktail Party Adobe/El Camino
Florida Association of Endodontists Meeting San Diego
Graduates of the Univ of Oregon and Univ of Ohio-Endodontics Dinner Council/Chamber/Cabinet
Harry J. Healey Endodontic Study Club Breakfast Towne
Michigan Association of Endodontists Reception Committee
Oklahoma Association of Endodontists Breakfast El Camino
State Endodontic Associations Meeting Council/Chamber/Cabinet
University of Iowa Reception Forum
University of Michigan Endodontic Alumni Breakfast Adobe
University of Washington Graduate Endodontics Alumni Dinner De Anza/Mesa
Temple University Endodontics Alumni Association Reception Senate

Saturday, April 27
AAE Past Presidents' Breakfast Sunset
Boston University Endodontic Alumni Breakfast Chamber
Navy Endodontists Breakfast De Anza/Mesa
TECHNICAL EXHIBITORS

ADA Products, Inc. (Booth #2)
2350 West Florist Avenue
Milwaukee, WI 53209

Advanced Practice Systems, Inc.
(Booth #44)
5555 Oakbrook Parkway, Suite 110
Norcross, GA 30093

Armament (Booth #33)
733
Cherry Hill, NJ 08003

Analytic Technology (Booth #47)
3301 181st Place NE
Redmond, WA 98052

Block Drug Co. (Booth #9)
105 Academy Street
Jersey City, NJ 07302

L. D. Caulk Co. (Booths #35, 36, 37)
Clarke and Lakeview Avenues
P.O. Box 359
Milford, DE 19963

R. Chige, Inc. (Booth #49)
71A West Merrick Road
Valley Stream, NY 11580

Columbus Dental (Booth #28)
1000 Chouteau Avenue
P.O. Box 620
St. Louis, MO 63188

Dental Products Group International
(Booth #43)
15 West 17th Street
New York, NY 10011

Dentompac (Booths #8, 9)
3185 "M" Street
Merced, CA 95340

Dermac "Touch of Mink" (Booth #5)
2485 Dallas Highway
Salem, OR 97304

Designs for Vision, Inc. (Booth #46)
120 East 23rd Street
New York, NY 10010

Ellman International Mfg, Inc. (Booth #13)
Ellman Building
1135 Railroad Avenue
Hewlett, NY 11557

Essential Dental Systems (Booth #39A)
119 West 57th Street
New York, NY 10019

Healthco International (Booth #34)
25 Stuart Street
Boston, MA 02116

Hu-Friedy Mfg. Co., Inc. (Booth #18)
3232 North Rockwell Street
Chicago, IL 60618

Hygienic Corp. (Booths #31, 32)
1245 Home Avenue
Akron, OH 44310

Inter-Dent (Booth #24)
391 Steelcase Road West, #16
Markham, ON, Canada L3R 229

JS Dental Mfg., Inc. (Booth #40A)
110 Greene Street, #303A
New York, NY 10012

Kelly Systems, Inc. (Booth #40)
6735 Telegraph Road
Suite 205
Birmingham, MI 48010

Kerr Sybron (Booth #21)
28200 Wick Road
Romulus, MI 48174

Kilgore International, Inc. (Booth #7)
36 W. Pearl Street
P.O. Box 98
Coldwater, MI 49036

Knoll Pharmaceutical Co. (Booth #26)
30 North Jefferson Road
Whipp Manny, NJ 07981

Lea & Feiger (Booth #4)
600 South Washington Square
Philadelphia, PA 19106

Lee Pharmaceuticals (Booth #6)
1444 Santa Anita Avenue
South El Monte, CA 91733

M & D International Enterprises, Inc.
(Booth #45)
51/ Maple Avenue
P.O. Box 1284
Carpinteria, CA 93013

Medicenta International, Inc. (Booth #17)
39-23 62nd Street
Woodside, NY 11377

Microcopy (Booth #23)
1174 Tournamale Drive
Newbury Park, CA 91320

C. V. Mosby, Co. (Booth #48)
11830 Westshore Ind. Drive
St. Louis, MO 63146

Nephron Corporation-Dental Div.
(Booth #12)
3219 Pacific Avenue
Tacoa, WA 98408

Neupro Products (Booth #38)
P.O. Box 37
Dundee, IL 60118

Osada Electric Co., Inc. (Booth #41)
8242 West 3rd Street, Suite 150
Los Angeles, CA 90048

Palm Springs Seminars (Booth #12A)
2323 Oak Crest Drive South
Palm Springs, CA 92262

Parkell (Booth #10)
P.O. Box S
Farmington, NY 11735

Patterson Dental Co. (CENTRA)
(Booth #11A)
9699 Hibert Street
San Diego, CA 92131

Penn-Med Technology, Inc. (Booth #39)
Ballington Road, P.O. Box 71
West Conshohocken, PA 19428

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

Pulodont Corporation of America
(Booth #29)
75 Boylston Street
Brookline, MA 02147

Quality Aspirators (Booth #22)
1002 Dove Creek
Duncanville, TX 75116

Roydent Dental Products, Inc. (Booth #42)
508 Heath Row
Milford, DE 19963

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

Star Dental/Syntex Dental Products
(Booth #30)
P.O. Box 896
Valleyme Forge, PA 19426

Trenear & Heisel, Inc. (Registration area)
402 First Federal Plaza
New Castle, PA 16101

Unior Broach/A Health-Chem Co.
(Booths #19, 20)
1107 Broadway
New York, NY 10010

Unitek Corporation (Booths #14, 15, 16)
2724 South Peck Road
Monrovia, CA 91016

Williams and Wilkins (Booth #27)
428 East Preston Street
Baltimore, MD 21202

Xerox Medical Systems (Booth #11)
125 North Vinedo Street
Pasadena, CA 91007

Non-Technical Exhibits
(Registration Area)

American Audio Association
50 Clinton Street, Suite 307
Hempstead, NY 11550
(Cassette tapes of Scientific Sessions)

AAE Career Counseling

AAE Endowment & Memorial Foundation
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1987
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John W. Harrison, Secy-Treas
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PAST PRESIDENTS

*W. Clyde Davis ........................................ 43-44
*Ralph F. Sommer ...................................... 44-45
Robert G. Kesel ........................................ 45-46
*E. G. Van Valey ........................................ 46-47
Maynard K. Hine ........................................ 47-48
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*Raymond L. Girardot .................................. 50-51
*George G. Sharp ....................................... 51-52
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Laurence A. Lucas ...................................... 53-54
*N. Weir Burkman ....................................... 54-55
*Harry J. Healey ........................................ 55-56
John R. Pear ............................................ 56-57
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*J. Henry Kaiser ........................................ 59-60
*Paul P. Sherwood ...................................... 60-61
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Robert A. Uchin ........................................ 75-76
Frank B. Trice ........................................... 76-77
George A. Zurkowski .................................. 77-78
Harry Blesch ............................................ 78-79
Paul E. Zeigler ......................................... 79-80
Edward M. Osetek ...................................... 80-81
Henry J. Van Hassel .................................... 81-82
Noah Chivian ............................................ 82-83
Donald E. Arens ........................................ 83-84

*Deceased

TRUSTEES

AAE ENDOVMENT AND MEMORIAL FOUNDATION

1985
Duane Compton, Secy-Treas
Maurice J. Friedman
Howard Martin
Manuel I. Weisman, Vice-President

1986
Raleigh R. Cummings
Bernard J. Grothaus
W. Paul Radman, President
Richard E. Schmidt

1987
Allan H. Cetron
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James L. Gutmann
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Edgar D. Coolidge Award
*Edgar D. Coolidge ........................................... ’69
*Harry B. Johnston ........................................... ’70
*Henry A. Bartels ........................................... ’71
Bertram L. Wolfschon ........................................... ’74
Vincent B. Milas ........................................... ’75
Worth B. Gregory ........................................... ’78
Jacob B. Freedland ........................................... ’80
Alfred L. Frank ........................................... ’81
George G. Stewart ........................................... ’82
F. Darl Ostrander & Maynard K. Hine .................. ’83
*George C. Hare ........................................... ’84

Louis I. Grossman Award
Louis I. Grossman ........................................... ’73
*Birger Nygaard-Osby ........................................... ’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. Torneck ........................................... ’84

HONORARY MEMBERS

Mary C. Crowley
Louis I. Grossman
Maynard K. Hine
Oscar A. Maisto
Maury Massler
Harold R. Stanley

AAE AUXILIARY

The AAE Auxiliary will maintain a hospitality suite in the Tiki Hut at the Town & Country Hotel on Thursday, Friday and Saturday, 8:00-11:00 am & 1:00-4:00 pm, for all registered spouses.

OFFICERS
Mrs. James L. Kloess (Carol) ................................ President
Mrs. Edwin S. Mehman (Lesley) ................................. President-elect
Mrs. Richard H. Yamaraka (Sharlene) .................. Vice-president
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Mrs. Carl Tinkelman (Sydney) ................................. Parliamentarian

WEDNESDAY, APRIL 24
3:30 pm- PRESIDENT’S WELCOME TEA
4:30 pm Tiki Hut

4:30 pm BOARD MEETING
Sunset Room

FRIDAY, APRIL 26
9:00 am BUSINESS BREAKFAST
11:00 am Sunrise & Sunset Rooms

Business will be mixed with pleasure at this breakfast featuring an enlightening presentation by Lizz Matto on the “Culture and cuisine of Mexico”.

SATURDAY, APRIL 27
9:00 am BOARD MEETING
11:30 am Sunrise Room

ATTRACTION CONNECTION TOURS
From Thursday, April 25 to Saturday, April 27
Buses will depart every 30 minutes beginning at 9:00 am and the last bus will return by 5:30 pm. Stops include Balboa Park, Embarcadero, Harbor Cruise, Old Town, San Diego Zoo, Seaport Village and Sea World.

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CONDENSED PROGRAM

WEDNESDAY, APRIL 24
8am-5pm ABE Oral Exams De Anza, Mesa, Adobe & El Camino
8:30am-5pm Continuing Education San Diego
9am-5pm AAE Directors Meeting Council
11am-8pm Registration Mission Foyer
6pm-9:30pm Welcome/Fellowship Reception Sea World

THURSDAY, APRIL 25
8am-9:45am Opening Session Breakfast Golden West & California
8am-6pm Registration Mission Foyer
10am-5pm Business Sessions I & II Town & Country
10am-6pm Exhibits Presidio
10am-12 Scientific Session I Padre & Sierra
Research Seminars I San Diego
12-1:30pm Luncheon On your own
1:30pm-5pm Roundtable Seminars See Program
Research Seminars II San Diego
2pm-5pm Scientific Session II Padre & Sierra
Computer Workshop Friars
5pm-6pm AADS Endodontic Section Meeting Padre & Sierra

FRIDAY, APRIL 26
6:00am Fun Run See Program
8am-8:45am Continental Breakfast Golden West & California
8am-5pm Exhibits Presidio
8am-5pm Registration Mission Foyer
9am-11 am Roundtable Seminars See Program

FRIDAY (continued)
9am-12 Business Session III Town & Country
Scientific Session III Padre & Sierra
Computer Workshop Friars
Research Seminars III San Diego
12-1:45pm Luncheon Golden West & California
2pm-5pm Business Session IV Town & Country
Scientific Session IV San Diego
4pm-5:30pm Wine Seminar Senate & Committee

SATURDAY, APRIL 27
8am-6:45am Continental Breakfast Golden West & California
8am-12 Exhibits Presidio
9am-12 Business Session V Town & Country
Poster Clinics Friars
Table Clinics Padre & Sierra
Research Seminars IV San Diego
Scientific Session V Council
12-1:30pm Coolidge Luncheon Golden West & California
1:30pm-5:30pm General Assembly Meeting Town & Country
7pm-8pm Past Presidents’ Reception Atlas Foyer
8pm-Midnite Dinner Dance Atlas Ballroom

SUNDAY, APRIL 28
8am-8:45am Continental Breakfast Presidio
8am-12 AAE Directors Meeting Council
9am-12 Scientific Session VI Padre & Sierra
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