

THE WAVE OF THE FUTURE



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*American Association of Endodontists
45th Annual Session
April 20-24, 1988
Anaheim, California*



PRESIDENT'S MESSAGE

A hearty welcome to Anaheim and the 45th Annual Session of the American Association of Endodontists. Anaheim's world famous image of happy times for the young at heart excites us all. As suggested by the Annual Session logo, a myriad of attractions are available in the area. Our hotel offers premier accommodations for your comfort and convenience. The Anaheim meeting is your conference. The committees were extremely sensitive to your desires for a meaningful, worthwhile experience. The friendly, relaxed atmosphere of Southern California will balance the weighty professional obligations of the week, an equal mix of education and recreation—a winning game plan for Anaheim.

I would particularly like to welcome our spouses and guests who have graciously joined us. You are very special to us and our meeting atmosphere is enhanced by your presence. Your participation and contribution to the overall success of our Annual Session are significant and treasured.

Our voting members are encouraged to participate in the district caucuses. Our fledgling governance system needs your support and will be sustained by your interests. Your opinions and vote will influence our Association policies. The General Assembly will vote for the first time for district directors to serve on the Board of Directors, initiating a new era of representation. New changes, bold moves that impact on each of us.

My sincerest appreciation to Joseph Tenca, Paul Eleazer, and Steven Morrow—three distinguished gentlemen of the highest order. These folks channeled their collective ideas, energies, and experiences into a smooth developmental process that resulted in this meeting. Carl Newton, Craig Bell, Mahmoud Torabinejad and Bob Rosenberg deserve a "Wave of the Future" for a job well done with their respective programs.

Irma Kudo continues her "par excellence" management style that continues to amaze. Irma's experience and know-how along with her dedication to our endodontic community foster a meeting without parallel. The Central Office staff of Laura Cancilla, Letty Catrambone, Colleen Ryan, Cindy Kriechbaum, Christine DeFazio and Karen Schultz must be recognized for their individual contributions.

Thanks a million to all who made this fantastic experience possible. We owe you a deep debt of gratitude. Our members, spouses, guests, and students can enjoy your commitment to the "Wave of the Future."

Charles J. Cunningham, DDS
President

AMERICAN ASSOCIATION OF ENDODONTISTS

BOARD OF DIRECTORS



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Immediate Past-president: Michael A. Heuer





WELCOME

Welcome to Southern California and the "Wave of the Future." Your committee has planned a wide variety of topics and tours for your benefit. Clinical knowledge, basic theory and fun can all be had in this beautiful setting.

Please take special note of the Farewell Brunch Sunday morning. Even if you forgot case records, your recollection of interesting cases can add to that session.

Do not forget to see the exhibits. Time spent in the exhibit hall can be very valuable for seeing the latest innovations.

Many thanks go to Steve Morrow and the legion of dedicated members of the local arrangements committee. They have contributed countless hours and ideas to make your 45th Annual Session memorable. Please look for an opportunity to thank them personally. They are all so glad to help with any problems you may have. Just look for their yellow ribbons designating "Local Committee."

Special thanks belong to Joe Tenca, our general chairman. His leadership and expertise have made planning this meeting a pleasure for all involved.

Irma Kudo and the Central Office Staff have done an outstanding job as always. Their performance is an indication that they consider their work a profession and not just a job.

Enjoy the "Wave of the Future."

Paul D. Eleazer, DDS
Program Chairman



ANNUAL SESSION COMMITTEE



Joseph I. Tenca
General Chairman



Paul D. Eleazer
Program Chairman



Steven Morrow
Local Committee Chairman

Program

Continuing Education	Carl W. Newton
Limited Attendance Seminars	W. Craig Bell
Research Seminars	Mahmoud Torabinejad
Table/Poster Clinics	Robert J. Rosenberg
Technical Exhibits	Letty Catrambone

General Arrangements

Audio-Visual	William Masheter
Banquets & Meals	Dudley H. Glick Sergio Kuttler
Hospitality	James L. Kloss
Hosts	James H. Simon
Monitors	Marwan Abou-Rass
Registration	Robert Bravin Maurice Cutler
Signs	Wayne G. Bemis
Sports	Joseph Greiner Samuel W. Oglesby Terrell F. Pannkuk
AAE Auxiliary Chairperson	Sherry Heller

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 Anaheim Marriott Hotel will be the Headquarters hotel for the 45th Annual Session.

AAE Headquarters — Los Angeles Room

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

General Registration — Ballroom Foyer

Wednesday, April 20: 11 am-8 pm
Thursday, April 21: 8 am-5 pm
Friday, April 22: 8 am-11 am

Registration fees include the following:

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

AAE student members—all sessions, Welcome/Fellowship Reception. A special breakfast is scheduled on Friday morning.

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

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

IMPORTANT NOTICE

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

Exhibits — Marriott Hall

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

Complimentary coffee service will be provided on Thursday and Friday in the exhibit area, 10:30 am-12 Noon and 2:30 pm-4:00 pm.

Exhibit hours are:

Thursday, April 21: 10 am-6 pm
Friday, April 22: 8 am-5 pm
Saturday, April 23: 8 am-12 Noon

Limited Attendance Seminars

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

Cassette Tape Recordings

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

Speaker AV Ready Room — Desert Springs Room

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

Saturday Dinner Dance

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

Continuing Education Credit

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

California Board of Dental Examiners—Forms to be picked up at the AAE headquarters office.





PROGRAM

WEDNESDAY, APRIL 20

TENNIS AT TENNISLAND

10 am - 1 pm

Pre-registration required. Hotel shuttles can be taken to Tennisland, which is within walking distance.

CANCELLED

GOLF AT INDUSTRY HILLS

11 am - 5 pm

Participants will depart from the Marriott Hall entrance of the Marriott Hotel.

REGISTRATION

11 am - 8 pm, Ballroom Foyer

WELCOME/FELLOWSHIP RECEPTION

(By ticket only)

7 pm - 9 pm, Grand Ballroom

CONTINUING EDUCATION COURSE

(Pre-registration required)

8:30 am-5:00 pm, Marriott Hall North

Endodontic Success, Failure and Retreatment

Moderators: CARL W. NEWTON, DDS, MSD,

Indianapolis, IN

MARWAN ABOU-RASS, DDS, MDS, PhD,

San Marino, CA

Welcome

Relationship between root canal filling and success or failure of endodontic therapy

CALVIN D. TORNECK, DDS, MS, Toronto, Canada

Break

Host response in the balance of healing
MAHMOUD TORABINEJAD, DMD, MSD,
Loma Linda, CA

The role of endodontic retreatment in modern restorative dentistry

MARWAN ABOU-RASS, DDS, MDS, PhD,
San Marino, CA

Lunch

Techniques of conservative retreatment

PAUL E. LOVDAHL, DDS, MSD, Bellingham, WA

Non-surgical repair of perforation defects

JAMES B. ROANE, DDS, MS, Oklahoma City, OK

Break

Avoiding and correcting surgical failures

RALEIGH R. CUMMINGS, DDS, MS,
Newport Beach, CA

Endo-legal implications

JACK A. WEICHMAN, DDS, JD, Los Angeles, CA

Discussion

Make sure you exchange your vouchers for banquet tickets for Saturday night's dinner dance, the premier social event of the Annual Session. The elegant evening begins with a feast of fine food and the company of good friends. Then, get ready to swing to the sounds of the Ron Rubin Orchestras and Entertainment. Whether you dip, disco, tango or waltz, this 15-piece group will get you out of your chairs and on the dance floor as they play everything from the traditional ballroom favorites to contemporary music. A cash bar reception will precede the dinner. Black tie is optional.

THURSDAY MORNING, APRIL 21

REGISTRATION

8 am - 5 pm, Ballroom Foyer

OPENING SESSION BREAKFAST

(By ticket only)

8 am - 10 am, Grand Ballroom

Keynote: CHARLES J. CUNNINGHAM, DDS,
AAE President

EXHIBITS

10 am - 6 pm, Marriott Hall - Center & South

SCIENTIFIC SESSION I

10:30 am - 12:30 pm, Marriott Hall - Northeast

Moderator: EDWARD M. OSETEK, DDS, MA,
Chicago, IL

Troubleshooting the mandibular block: How to improve your anesthetic success rate
STANLEY MALAMED, DDS, Los Angeles, CA

Effective pain control can be very elusive in the endodontically involved tooth. In this program, Dr. Malamed will discuss a number of techniques which either singly, or in combination, can greatly increase the probability of successful anesthesia. Techniques to be discussed include inferior alveolar nerve block, Gow-Gates nerve block, Akinosi nerve block, incisive/mental nerve block, the PDL injection, sedation, and electronic dental anesthesia.

GENERAL INTEREST SESSION I

10:30 am - 12:30 pm, Marriott Hall - Northwest

Moderator: IRVING H. SINAI, DDS,
New Brunswick, NJ

Impact of the Tax Reform Act of 1986 on income taxes and relevant tax planning
DWIGHT CALL, CPA, MBA, PhD, Van Nuys, CA

The Tax Reform Act of 1986 has introduced several major changes in the taxation of individuals and businesses. An understanding of these changes by the taxpayer in such areas as passive activities, installment sales, and alternative minimum tax is more important than ever before, requiring the taxpayer's involvement with the individual's tax professional.

LIMITED ATTENDANCE SEMINARS

(Pre-registration required. Will be repeated Friday pm as LAS 15-21)

10:30 am - 12:30 pm

LAS 1 or LAS 15 (Fri) - Salon G

Posts and cores

MELVIN GOLDMAN, DDS, Boston, MA

LAS 2 or LAS 16 (Fri) - Salon H

Solving dilemmas in providing good endodontic anesthesia

JERRY F. TAINTOR, DDS, MS, Memphis, TN

ROBERT C. BIESTERFELD, DDS, MS, Brooklyn Center, MN

LAS 3 or LAS 17 (Fri) - Salon J

Electronic apex locators - why and how

SAMUEL O. DORN, DDS, Pembroke Pines, FL

LAS 4 or LAS 18 (Fri) - Salon K

I.V. sedation - a great practice builder

ELIE WOLFSON, DDS, Willowdale, Canada

LAS 5 or LAS 19 (Fri) - Orange County 3

Endodontic office design

THOMAS HARVEY, DDS, Greenville, SC

LAS 6 or LAS 20 (Fri) - Orange County 4

Predesignated preparations - steps to efficiency

CLYDE SABALA, DDS, Edmond, OK

LAS 7 or LAS 21 (Fri) - Orange County 5

How to prepare, photograph, and present quality slide programs

ALBERT C. GOERIG, DDS, MS, Monterey, CA

NEED A BREAK?

Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area on Thursday and Friday, 10:30-12 noon and 2:30-4 pm.



PROGRAM (continued)

RESEARCH SEMINARS I

10:30 am - 12:30 pm, Orange County 1 & 2
Moderator: MAHMOUD TORABINEJAD, DMD, MSD,
Loma Linda, CA

GRADUATE STUDENT SECTION

10:30 — Human pulpal responses following treatment with the Caridex system
DAVID S. BRUNELL*, DDS, HERBERT SCHILDER, DDS, and A. BLOOM, Boston Univ.

10:45 — Flow cytometric analysis of antigen presenting cells in the dental pulp
MICHAEL G. HUNT, DDS, Univ. of North Carolina

11:00 — Immunohistochemical analysis of immunocompetent cells in pulps of carious teeth
ASLIM ABDULLAH*, DDS, M. JONTELL and GUNNAR BERGENHOLTZ, DDS, Univ. of North Carolina

11:15 — Anesthetic efficacy of lidocaine and epinephrine in human IAN block
MAJI WALI*, BDS, MS, ALFRED W. READER, DDS, F. MICHAEL BECK, DDS, MA and WILLIAM J. MEYERS, DMD, MEd, Ohio State Univ.

11:30 — Anesthetic efficacy of lidocaine and bupivacaine in human maxillary infiltrations
RENIE M. GROSS*, DDS, ALFRED W. READER, DDS, F. MICHAEL BECK, DDS, MA and WILLIAM J. MEYERS, DMD, MEd, Ohio State Univ.

11:45 — Histologic study of healing ability of horizontal root fractures in monkeys
JANTIEN A. HERWEIJER*, DDS, LEIF K. BAKLAND, DDS and MAHMOUD TORABINEJAD, DMD, MSD, Loma Linda Univ.

12:00 — Endodontic versus restorative procedures: which is the major factor weakening the tooth?
ERNEST S. REEH*, DDS, HAROLD H. MESSER, MDSc, PhD and W.H. DOUGLAS, DDS, MS, PhD, Univ. of Minnesota

12:15 — Effects of endo access preparation upon existing incisor crown retention
ALBERT F. McMULLEN, III*, DDS, VAN T. HIMEL, DDS and N.K. SARKAR, PhD, Louisiana State Univ.

*Presenter

THURSDAY AFTERNOON, APRIL 21

ABE LUNCHEON

(By ticket only)
12:30 pm - 1:45 pm, Salons E & F

Speaker: Dr. WILLIAM F. MAY
Southern Methodist Univ., Dallas, TX
Dr. May has lectured extensively throughout the country on the issues of biomedical ethics in the health professions. He has authored many papers and books, including *The Physician's Covenant: Images of the Healer in Medical Ethics*.

SCIENTIFIC SESSION II

2 pm - 3 pm, Marriott Hall - Northeast
Moderator: JOHN R. LUDINGTON, Jr, DDS,
Houston, TX

Biological effects of surgical endodontics
RALEIGH R. CUMMINGS, DDS, MS,
Newport Beach, CA

Inflammation is produced through the trauma of flap elevation, flap retraction, bone penetration and suturing. Factors, such as techniques, instruments and drugs, that may influence the degree of inflammation, resultant swelling, bruising and discomfort will be discussed.

SCIENTIFIC SESSION III

3 pm - 4 pm, Marriott Hall - Northeast
Moderator: JOHN R. LUDINGTON, Jr., DDS,
Houston, TX

A periodontist looks at flap design for endodontic surgery
ROGER STAMBAUGH, DMD, MEd, MS,
Los Angeles, CA

A discussion of the clinical considerations and design of mucoperiosteal flaps, precautions, sutures and suturing, instrumentation, and post operative care.

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS.

SCIENTIFIC SESSION IV

4 pm - 5 pm, Marriott Hall - Northeast
Moderator: JOHN R. LUDINGTON, Jr., DDS,
Houston, TX

Antimicrobial and surgical treatment of extraradicular endodontic infections

LEIF TRONSTAD, DMD, PhD, Philadelphia, PA

Recently it has been shown that anaerobic bacteria are able to survive and maintain an infectious disease process in periradicular tissues. This may explain many endodontic failures, but at the same time offers intriguing therapeutic possibilities for precise antimicrobial therapy after accurate identification of the infecting bacteria.

GENERAL INTEREST SESSION II

2 pm - 5 pm, Marriott Hall - Northwest
Moderator: W. PAUL RADMAN, DDS, Dallas, TX

A California wine odyssey
HERBERT F. SPASSER, DDS, New York, NY

Within the past ten years, the wines of California have risen to world class status. Many of the beautiful new wine facilities are directed by dedicated young winemakers and utilize state of the art technology. Our odyssey will take us up and down the coast to visit some familiar names and introduce new ones. A tasting of selected California wines will conclude this exciting afternoon.

ENDODONTIC ASSISTANT UTILIZATION

(For dentists and dental auxiliaries)
2 pm - 5 pm, Orange County 1 & 2
Moderator: R. DENBY LEWIS, DDS, Danville, VA

GEORGE A. ZURKOW, DDS, Wilmington, DE
Increased productivity in endodontics must be based on the concepts of work simplification and motion economy. The team effort necessary to achieve optimum results with less stress must include an endodontic assistant involved in "four-handed endodontics." Principles and application will be discussed and illustrated with slides and video tapes. Some attention will be given to personnel motivation.

DISTRICT CAUCUSES

2 pm - 3:15 pm

District I - Salon G
CT, DE, DC, ME, MD, MA, NH, PA, PR, RI, VT
and VA

District II - Salon H
NJ and NY

District III - Salon J
FL, GA, NC, SC, Army, Navy, Air Force, Public
Health and Veterans Adm.

District IV - Salon K
IL, IN, KY, MI, OH, TN, WV and WI

District V - Orange County 3
AL, AZ, AR, CO, ID, IA, KS, LA, MN, MS, MO,
MT, NE, NV, NM, ND, OK, SD, TX, UT and WY

District VI - Orange County 4
AK, CA, HI, OR and WA

REFERENCE COMMITTEE HEARINGS

(Open forums to present your views on AAE activities)
3:30 pm - 4:30 pm

Association Affairs - Salon G
Membership - Salon H
Member Services - Salon J
Communication/Publication - Salon K
Education/Development - Orange County 3

AADS SECTION MEETING

4:30 pm - 5:30 pm, Orange County 4

SMOKING

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

IMPORTANT NOTICE

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PROGRAM (continued)

FRIDAY MORNING, APRIL 22

FUN RUN - Huntington Beach Pier

6 am - 8 am

(Pre-registration required)

Participants will depart from the Marriott Hall entrance of the Marriott Hotel.

CONTINENTAL BREAKFAST

(By ticket only)

8 am - 8:45 am, Salons E & F

REGISTRATION

8 am - 11 am, Ballroom Foyer

EXHIBITS

8 am - 5 pm, Marriott Hall - Center & South

LIMITED ATTENDANCE SEMINARS

(Pre-registration required. Will be repeated Saturday am as LAS 22-28)

9 am - 11 am

LAS 8 or LAS 22 (Sat) - Salon G

Infection control for the clinical endodontist
STEPHEN COHEN, DDS, San Francisco, CA

LAS 9 or LAS 23 (Sat) - Salon H

Cervical root resorption: etiology, pathogenesis and treatment

FREDERIC BARNETT, DMD, Philadelphia, PA

LAS 10 or LAS 24 (Sat) - Salon J

To computerize or not to computerize
LES MULDRUP, DMD, Poughkeepsie, NY

LAS 11 or LAS 25 (Sat) - Salon K

Enhancing the endo referral
RICHARD EHLERS, DDS, Sarasota, FL and
R. JAN LOCKMAN, DMD, Eugene, OR

LAS 12 or LAS 26 (Sat) - Orange County 3

Canal preparation with sonic and ultrasonic instruments

ROBERT MICHELICH, DDS, Atlanta, GA

LAS 13 or LAS 27 (Sat) - Orange County 4

The diagnostic dilemma of pulpalgia and referred pain
E. STEVE SENIA, DDS, San Antonio, TX

LAS 14 or LAS 28 (Sat) - Orange County 5

Warm lateral condensation technique
HOWARD MARTIN, DMD, Silver Spring, MD and
GARY L. LaBOUNTY, DDS, Washington, DC

SCIENTIFIC SESSION V

9 am - 10:30 am, Marriott Hall - Northeast

Moderator: JOSEPH J. WILLIAMS, DDS,
Brookline, MA

Infectious diseases and the dental office: update on AIDS, hepatitis, and herpes
SOL SILVERMAN, MA, DDS, San Francisco, CA

Update of infectious diseases, including AIDS, herpes, hepatitis and candidiasis. Epidemiology, biology, infectivity and transmissibility, diagnosis, management and office precautions will be covered. Dental roles and treatment approaches will be illustrated.

SCIENTIFIC SESSION VI

10:30 am - 12 noon, Marriott Hall - Northeast

Moderator: JOSEPH J. WILLIAMS, DDS, Brookline, MA

"Bacteria busters" — a clinical update on infection control

ROBERT E. AVERBACH, DDS, Denver, CO

Dentistry has recently become very concerned about the prevention and control of contagious diseases, especially AIDS and hepatitis. A practical office asepsis program lies somewhere between ignoring the problem and practicing in a hospital operating room. This program will include recommendations for infection control in the "real world" dental office.

GENERAL INTEREST SESSION III

(For members and spouses)

9 am - 12 noon, Marriott Hall - Northwest

Moderator: EVA C. DAHL, DDS, La Crosse, WI

Burnout — a family affair

RICHARD C. BURNS, DDS, San Mateo, CA and
ROBERT M. KRASNY, DDS, MSD, Los Angeles, CA

The last person to recognize the symptoms of burnout may be the person undergoing the process. Family, friends, staff, patients, referring doctors, pets and strangers pick up the clues first. Early recognition and healthy coping skills can lead to survival. Dentists and their families are a high-risk group.

NEED A BREAK?

Visit the Technical Exhibits. Complimentary coffee service will be provided in the Exhibit Area on Thursday and Friday, 10:30-12 noon and 2:30-4 pm.

RESEARCH SEMINARS II

9 am - 12 noon, Orange County 1 & 2

Moderators: LEIF TRONSTAD, DMD, PhD,
Philadelphia, PA and
RICHARD E. WALTON, DMD, MS,
Iowa City, IA

GRADUATE STUDENT SECTION

9:00 — In vivo efficacy of a step-back versus a step-back/ultrasonic technique

JOHN J. HAIDET*, DDS, ALFRED W. READER, DDS,
F. MICHAEL BECK, DDS, MA and WILLIAM J.
MEYERS, DMD, MEd, Ohio State Univ.

9:15 — Comparison of flex-R files and K-files in curved canals

ALBERTO O. SEPIC*, DDS, EUGENE A. PANTERA, Jr.,
DDS, MS, ELMER J. NEAVERTH, DDS, and RONALD
W. ANDERSON, DDS, Medical College of Georgia

9:30 — The effectiveness of the canal finder system: a scanning electron microscopic investigation

HESHAM M. EL-TAGOURI*, BDS, MARIO
CZONSTKOWSKY, DDS, MDS, FLOYD A. HOLSTEIN,
DDS, NICHOLAS PIESCO, PhD and ANDREW E.
MICHANOWICZ, DDS, Univ. of Pittsburgh

9:45 — Clinical incidence of canal ledging with a new endodontic file

LAURIE L. MCKENDRY*, MS, KEITH V. KRELL, DDS,
MA, MS and DOUGLAS J. MCKENDRY, DDS, Univ. of
Iowa

10:00 — Dentin collagen cross-links of root-filled and normal teeth

ERIC M. RIVERA*, DDS, MITSUO YAMAUCHI, DDS,
PhD, GLORIA CHANDLER, BS and GUNNAR
BERGENHOLTZ, DDS, Univ. of North Carolina

10:15 — Response of periapical tissues to topical corticosteroid after deliberate over-instrumentation

EDWARD J. STEC*, DDS, HAROLD H. MESSER,
MDSc, PhD, MAHMOUD E. EL DEEB, DDS, MS and
ROBERT S. EDMUNDS, DDS, MS, Univ. of Minnesota

10:30 — Biocompatibility of glass ionomer-silver cement in rat connective tissue

RICHARD B. BLACKMAN*, DDS, MARVIN A.
GROSS, DDS and SAMUEL SELTZER, DDS, Temple
Univ.

10:45 — The antimicrobial effect of calcium hydroxide in root canals of extracted teeth

KATHRYN G. STUART*, DDS, MSD, CARL W.
NEWTON, DDS, MSD, CHRIS H. MILLER, MS, PhD
and CECIL E. BROWN, Jr., DDS, Indiana Univ.

11:00 — Permeability of apical barriers

WILLIAM J. BEELER*, DMD and F. JAMES MAR-
SHALL, DMD, MS, Oregon Health Sciences Univ.

11:15 — Sealing ability of four reverse filling techniques

COLIN S. SHAW*, DMD, PAUL F. BERY, DDS, EGILL
L. JACOBSEN, DDS and ELLEN A. BeGOLE, PhD,
Univ. of Illinois

11:30 — Influence of entrapped air on leakage study using dye penetration method

THOMAS ACIERNO*, DDS, YONG P. CHA, DMD
and LARZ SPANGBERG, DDS, Univ. of Connecticut

11:45 — Microleakage of retrograde amalgams: in vitro study using electrochemical technique

WALTER W. COX*, DDS, JOHN F. CORCORAN,
DDS, JOHN M. POWERS, PhD and RICHARD M.
ZILLICH, DDS, MS, Univ. of Michigan

*Presenter

BADGES MUST BE WORN AT ALL OFFICIAL AAE
FUNCTIONS.





PROGRAM (continued)

FRIDAY AFTERNOON, APRIL 22

LUNCHEON

(By ticket only)
12 - 1:45 pm, Grand Ballroom
Palm Springs Yacht Club Entertainment

LIMITED ATTENDANCE SEMINARS

(Pre-registration required. Repeat of LAS 1-7.
See page 7)
2 pm - 4 pm

RESEARCH SEMINARS III

2 pm - 5 pm, Orange County 1 & 2
Moderators: AIDA A. CHOHAIEB, DDS, MSD,
Rockville, MD and
ROBERT J. ROSENBERG, DDS, DScD,
Greenbrae, CA

2:00 — A cooling device to lower temperature within the pulp chamber
HAROLD E. GOODIS*, DDS, LARRY G. WATANABE, BA and ROBERT J. ROSENBERG, DDS, DScD, Univ. of California at San Francisco

2:15 — Radiation doses absorbed by various tissues during simulated root canal therapy
ROBERT DANFORTH*, DDS, MAHMOUD TORABINEJAD, DMD, MSD, KEVIN ANDREWS and CHARLENE CHAN, Loma Linda Univ.

2:30 — Exposure times at which dental xeroradiographs and radiographs have comparable optical density
JOHN D. ANDREWS*, DDS and JOEL B. ALEXANDER, DDS, MA, Univ. of Texas at San Antonio

2:45 — Marginal leakage of bonded composite restorations
AIDA A. CHOHAIEB*, DDS, MSD, Howard Univ. and NELSON W. RUPP, DDS, MS, National Bureau of Standards

3:00 — Microleakage of temporary restorations in complex endodontic access preparations
RONALD W. ANDERSON*, DDS, BILLY J. POWELL, DMD and DAVID H. PASHLEY, DMD, PhD, Medical College of Georgia

3:15 — Chromatic comparison of three non-vital bleaching techniques
ALICIA I. MARUJO*, DDS, MSD and HERBERT SCHILDER, DDS, Boston Univ.

3:30 — Molar endodontic access openings: size, shape and location
LISA R. WILCOX*, DDS, MS and RICHARD E. WALTON, DMD, MS, Univ. of Iowa

3:45 — An in vivo assessment of new endodontic electronic apex locator
MARIO CZONSTKOWSKY*, DDS, MDS, MICHAEL GRASSI, DDS, HESHAM M. EI-TAGOURI, BDS and FLOYD A. HOLSTEIN, DDS, Univ. of Pittsburgh

4:00 — Histological evaluation of bacterial presence in induced periapical lesions in monkey molars
RICHARD E. WALTON*, DMD, MS and KAMBIZ ARDJMAND, Univ. of Iowa

4:15 — Identification of bacteria involved in pathogenesis of human periapical lesions by the ELISA technique
JAMES D. KETTERING*, PhD, S. JONES and MAHMOUD TORABINEJAD, DMD, MSD, Loma Linda Univ.

4:30 — Sterilization of bacterially contaminated root apices by CO₂ laser irradiation
LEO J. MISERENDINO*, DDS, MS, WILLIAM L. KOS, PhD, CATHERINE A. MISERENDINO, MS, PhD and NEILL H. LUEBKE, DDS, MS, Marquette Univ.

4:45 — A histologic evaluation of apical root canal debridement comparing two endodontic instrumentation techniques
DOUGLAS J. MCKENDRY*, DDS, Univ. of Iowa and ROBERT J. OSWALD, DDS, Univ. of Washington

*Presenter

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS.

SCIENTIFIC SESSION VII

2 pm - 3:30 pm, Marriott Hall - Northeast
Moderator: RONALD E. BUELL, DDS, Santa Ana, CA

The odontoblast — a cell for all seasons
G. REX HOLLAND, BDS, PhD, Edmonton, Canada

The odontoblast gives the dental pulp its special character and properties. It forms primary, secondary and reparative dentin and may act as a receptor. The life history of this unique cell will be reviewed with special emphasis on its role in preventive and interceptive endodontics.

SCIENTIFIC SESSION VIII

3:30 pm - 5 pm, Marriott Hall - Northeast
Moderator: RONALD E. BUELL, DDS, Santa Ana, CA

Matching file preference with operator technique
HARMEET D. WALIA, BDS, MDS, MS, Milwaukee, WI

Selecting a brand of files has been a perplexing problem for the endodontist. Guidelines for the selection of a file will be presented whereby the metallurgy, physical and mechanical attributes of the file are related to the operator's preference of filing technique.

GENERAL INTEREST SESSION IV

2 pm - 5 pm, Marriott Hall - Northwest
(Limited Attendance. Pre-registration required)
Moderator: MICHAEL J. SCIANAMBLO, DDS,
San Rafael, CA

Professional marketing for the specialty practice
PAULA PERICH, BA, Chicago, IL

Developed exclusively for endodontists, this comprehensive seminar will guide you step-by-step through the marketing process. You will learn how to conduct reliable market research, devise a marketing plan, generate a strong referral network with general practitioners and other endodontists and enhance the visibility of your endodontic practice in your community.

(There will be NO ON-SITE registration for this workshop due to material preparation.)

SMOKING

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

SATURDAY MORNING, APRIL 23

CONTINENTAL BREAKFAST

(By ticket only)
8 am - 8:45 am, Salon E

EXHIBITS

8 am - 12 noon, Marriott Hall, Center & South

RESEARCH SEMINARS IV

9 am - 11 am, Salon D
Moderator: JOEL L. DUNSKY, DDS, Boston, MA

9:00 — The use of a chelating agent and 2.5% NaOCl with sonic and ultrasonic endodontic instrumentation
KEITH V. KRELL*, DDS, MS, MA and DOUGLAS J. MCKENDRY, DDS, Univ. of Iowa

9:15 — Pulpal tissue in accessory canals and its reaction to endodontic procedures
KAARE LANGELAND*, DDS, PhD and ELIZEU A. PASCON, DDS, MSD, Univ. of Connecticut

9:30 — Attachment of PDL derived cells to experimentally treated root surfaces
PAUL F. BERY*, DDS and JON C. DANIEL, PhD, Univ. of Illinois at Chicago

9:45 — Nitinol root canal files: a preliminary study
HARMEET D. WALIA*, BDS, MDS, MS, WILLIAM A. BRANTLEY, PhD, NEILL H. LUEBKE, DDS, MS and LEO J. MISERENDINO, DDS, MS, Marquette Univ.

10:00 — A preliminary investigation of the torsional properties of the Gates-Glidden bur
NEILL H. LUEBKE*, DDS, MS, HARMEET D. WALIA, BDS, MDS, MS and WILLIAM A. BRANTLEY, PhD, Marquette Univ.

10:15 — Analysis of the internal compactness of seven obturation methods using gutta-percha
EGILL L. JACOBSEN*, DDS and ELLEN A. BeGOLE, PhD, Univ. of Illinois at Chicago

10:30 — An evaluation of apatite root sealer
RAHMAT A. BARKHORDAR*, DMD, MARVIN M. STARK, DDS and KENNETH SOELBERG, DDS, Univ. of California at San Francisco

10:45 — Evaluation of periradicular tissue healing following endodontic surgery
CHUTIMA MANGKORNKARN*, DDS, Univ. of California at Los Angeles, and JOHN W. HARRISON, DMD, MS, Baylor College of Dentistry

*Presenter



PROGRAM (continued)

SCIENTIFIC SESSION IX

9 am - 10:30 am, Marriott Hall - Northeast
Moderator: SHEPARD S. GOLDSTEIN, DMD,
Framingham, MA

High-technology radiology: Are conventional X-rays obsolete?

SAMUEL SELTZER, DDS, Philadelphia, PA and
STEVEN SELTZER, MD, Boston, MA

The past decade has witnessed a revolution in diagnostic imaging. Computed tomography (CT), new techniques in nuclear medicine (SPECT), magnetic resonance imaging (MRI), and advanced computer systems have all emerged. The application of these technologies to dental conditions has dramatically changed the way we image the head and neck. These new methods can be extremely important diagnostic tools. Endodontists should be aware of their uses, which will certainly increase in importance in the future.

SCIENTIFIC SESSION X

10:30 am - 12 noon, Marriott Hall - Northeast
Moderator: SHEPARD S. GOLDSTEIN, DMD,
Framingham, MA

The interrelationship between the maxillary sinus and endodontics

HOWARD S. SELDEN, DDS, Bethlehem, PA

Endodontically treated teeth, whose apices are close to the maxillary sinus, occasionally fail to heal. These cases manifest various degrees of antral involvement, usually including a pathologic perforation of the sinus wall along with mucosal alterations. Surgical measures are usually required to stimulate repair and to preserve these teeth.

GENERAL INTEREST SESSION V

9 am - 12 noon, Marriott Hall - Northwest
Moderator: ANTHONY B. GREENING, DDS,
Pasadena, CA

The role of dental insurance in endodontic practice—1988 and beyond

MARWAN ABOU-RASS, DDS, MDS, PhD,
San Marino, CA,

RICHARD E. SCHMIDT, DDS, San Diego, CA and
RONALD M. SHEOFSKY, DDS, San Francisco, CA

Current changes in the insurance industry are beginning to influence the practice of endodontics. The introduction of prepayment plans and other alternative delivery systems raises questions about the role of the endodontist in these changes: Should the endodontist participate in prepaid panels?

What is the role of the endodontist in setting the endodontic quality standards? What is the feasibility of changing the endodontic insurance codes to correspond with changes taking place in the endodontic specialty? What are the specific insurance problems that we face as endodontists?

This session is presented by the Southern California Academy of Endodontists.

LIMITED ATTENDANCE SEMINARS

(Pre-registration required. Repeat of LAS 8-14.

See page 10)

9 am - 11 am

BADGES MUST BE WORN AT ALL OFFICIAL AAE FUNCTIONS.



TABLE CLINICS

8:30 am - 11:30 am, Marriott Hall, Center & South

- TC 1 Esthetic reconstruction of immature and traumatized teeth
JEAN-YVES COCHET, DDS, and ISABELLE BARRIL, DDS, Paris, France
- TC 2 Ultrasonic root canal preparation techniques
ATSUMU MIYAHARA, DDS, Osaka, Japan
- TC 3 Retro-Endosonics
YOSEF NAHMIAS, DDS, MS, Mississauga, Canada
- TC 4 Innovative method for removal of insoluble cements, silver points and posts from root canals
NGUYEN T. NGUYEN, DDS, and RAHMAT A. BARKHORDAR, DMD, San Francisco, CA
- TC 5 Laboratory technique for bacterial identification by indirect immunofluorescence
EUGENE A. PANTERA, Jr., DDS, MS, Augusta, GA
- TC 6 Presentation graphics on the microcomputer
PETER M. SPRADLING, DMD, Glendale, AZ
- TC 7 Pulp capping: a question of consequences
JERRY F. TAINTOR, DDS, MS Memphis, TN and ROBERT C. BIESTERFELD, DDS, MS, Brooklyn Center, MN
- GRADUATE STUDENT SECTION**
- TC 8 Peridex as an adjunct to endodontic surgery
STEVEN E. DAZEY, DMD and SCOTT A. SCHWARTZ, DDS, Wilford Hall USAF Medical Center
- TC 9 Rubber dam isolation of the crownless tooth
MARK S. DeNUNZIO, DDS, Naval Dental School
- TC 10 The use of low-temperature therma-plasticized gutta-percha as retrograde filling
HESHAM M. EL-TAGOURI, BDS and MICHAEL GRASSI, DDS, Univ. of Pittsburgh
- TC 11 Factors influencing radiographic interpretation of healing in endodontics
STEPHEN B. HAAS, DDS, Naval Dental School
- TC 12 Management of the endodontic patient with AIDS or hepatitis
KEVIN A. KEATING, DDS, Naval Dental School
- TC 13 Dentin hypersensitivity
ROBERT W. LADLEY, DMD, Naval Dental School
- TC 14 Cutting efficiency test for endodontic instruments
CINDY R. LAMBERT, DDS, Northwestern Univ.
- TC 15 Helpful aids in endodontic retreatment
PAUL A. LINDAUER, DDS, Naval Dental School
- TC 16 The effect of aggressive therapy on the healing response to vertical root fractures in dogs' teeth
RONALD C. MARKARIAN, DMD, Northwestern Univ.
- TC 17 Space invaders: head and neck space infections
DAVID S. MORESI, DDS, Naval Dental School
- TC 18 Internal/external resorption
SHAHAB NOORVASH, DDS and SCOTT B. McCLANAHAN, DDS, Northwestern Univ.
- TC 19 Demonstration of acute phase proteins in human dental pulps and in serum
MARTHA E. PROCTOR, DDS, Northwestern Univ.
- TC 20 Eliminating cross-contamination in endodontic radiology
LANGSTON D. SMITH, DMD, MS, Naval Dental School
- TC 21 Special considerations in mandibular premolar endodontics
DENNIS J. WOURMS, DDS, Naval Dental School
- TC 22 Controlling placement and setting time of a new retrograde material
JEROME K. YAMADA, DDS, Northwestern Univ.



PROGRAM (continued)

POSTER CLINICS

8:30 am - 11:30 am, Orange County 1 & 2

- PC 1 A comparison of three electronic apex locators using two in vitro models
ASHRAF F. FOUAD, BDS and KEITH V. KRELL, DDS, MS, MA, Iowa City, IA
- PC 2 Portable laboratory radiographic unit for pre-clinic endodontic teaching
MITCHELL LEVINE, DDS, Toronto, Canada
- PC 3 S.E.M. examination of root canal walls after hand and sonic instrumentation
CATHERINE R. RICCI, DDS and JEAN-MARIE LAURICHESSE, DDS, Paris, France
- PC 4 Release of calcium and hydroxyl ions from set endodontic sealers
MICHAEL TAGGER, DMD, MS, Tel Aviv, Israel

GRADUATE STUDENT SECTION

- PC 5 An anatomical study of the position of mesio-buccal roots and the mandibular nerve
KATHLEEN T. FRANKLE, DDS, Univ. of Maryland
- PC 6 The practitioner's approach to treatment of acute odontogenic episodes
WILLIAM D. JARVIS, DDS and CLARA M. SPATAFORE, DDS, West Virginia Univ.
- PC 7 Extraoral ice-pack application effects on intraoral temperatures
BRUCE C. JUSTMAN, DDS, Univ. of Iowa
- PC 8 A comparison of self developing D speed film to standard D & E speed film
LAMONT G. McMURTREY, DDS, Univ. of Iowa
- PC 9 Anatomic and histologic features of "C" shaped mandibular second molars
DARLENE C. MELTON, DDS, Univ. of Iowa
- PC 10 In-vitro coronal microleakage of new endodontic restorative materials
ANGELA P. NOGUERA, DDS, Univ. of Maryland

- PC 11 Pulpal nerve response to severe dentin injury in rats
PATRICK E. TAYLOR, DDS, Univ. of Washington
- PC 12 A comparative study in the wear patterns of subsonic and ultrasonic instruments
THOMAS J. ZICARELLI, DDS, New York Univ.
- PC 13 An invitro study to determine the efficacy of sonic vs ultrasonic instrumentation
TANU REDDI, DDS, New York Univ.

SATURDAY AFTERNOON, APRIL 23

EDGAR D. COOLIDGE LUNCHEON

(By ticket only—for members and spouses)
12 - 2 pm, Grand Ballroom
Presentation of Coolidge Award

Mr. DAVID A. BLISS, a member of the Voyager Flight Science Team, will present highlights of the three encounters of the Voyager Spacecraft as well as plans for the upcoming Neptune encounter.

GENERAL ASSEMBLY

2:30 pm - 5 pm, Marriott Hall - Northeast

PAST PRESIDENTS' RECEPTION

6:30 pm - 7:30 pm, Grand Ballroom Foyer

DINNER DANCE

(By ticket only)
7:30 pm - Midnight, Grand Ballroom
Music provided by Ron Rubin Orchestras and Entertainment

SUNDAY, APRIL 24

Case Presentation Farewell Breakfast

(By ticket only)

8:30 am - 10:30 am, Salon F

Bring your favorite case for discussion at this morning's buffet breakfast. This is a departure from the past years' program and is intended to give you an opportunity to discuss a unique or different case with your peers and to say farewell "until next year" to old and new friends.



TOURS

Buses for the following tours will depart from the Marriott Hall entrance of the Marriott Hotel. Admission is by ticket only.

Day in Newport — Thursday, April 21, 10-3 pm.

Universal Studios/Hollywood/Beverly Hills — Friday, April 22, 9-5 pm.

El Camino Real — Saturday, April 23, 11-4 pm.

Disneyland Shuttle Bus

No matter which day you choose to visit the Magic Kingdom, getting there will never be a problem. The Anaheim Marriott will have a shuttle bus running to and from Disneyland everyday. More information will be available at the hotel's concierge desk.

SMOKING

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



AAE AUXILIARY

The AAE auxiliary will maintain a hospitality suite in the Veranda Restaurant on Friday & Saturday from 1:00 to 4:00 pm.

OFFICERS

Mrs. Carl Tinkelman (Sydney)	President
Mrs. A. Stephen Heller (Sherry)	President-elect
Mrs. Victor L. Ratkus (Anne)	Vice-president
Mrs. William D. Powell (Linda)	Secretary
Mrs. Howard Pranikoff (Cheryl)	Treasurer
Mrs. Fred Widerman (Judie)	Parliamentarian

THURSDAY, APRIL 21

Auxiliary Breakfast

8 am - 9:45 am, Veranda Restaurant

A wine odyssey

HERBERT F. SPASSER, DDS

2 pm - 5 pm, Marriott Hall - Northwest

FRIDAY, APRIL 22

Board Meeting

8 am - 9 am, Mrs. Tinkelman's Suite

Burnout — a family affair

RICHARD C. BURNS, DDS and

ROBERT M. KRASNY, DDS

9 am - 12 noon, Marriott Hall - Northwest

SATURDAY, APRIL 23

Auxiliary Brunch

(By ticket only)

8:30 am - 11 am, Salon F

Wise guys need wiser women

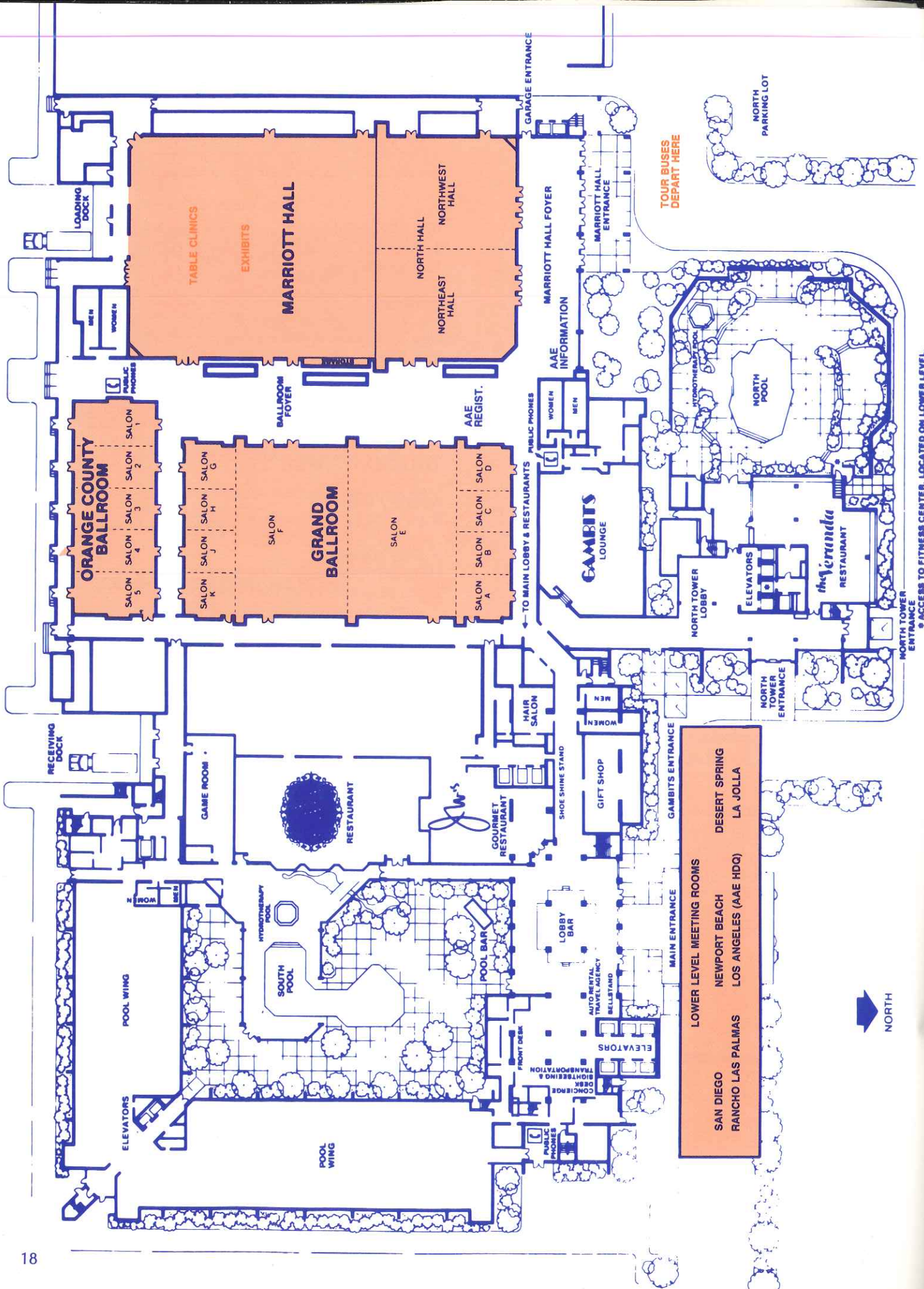
TIM TIMMONS

An analysis of the confusion within our culture of the DYNAMICS between men and women and a practical application of MALENESS and FEMALENESS where each completes the other rather than compete with one another.

Board Meeting

11 am - 12 noon, Mrs. Tinkelman's Suite





TOUR BUSES DEPART HERE

NORTH PARKING LOT

LOWER LEVEL MEETING ROOMS
 SAN DIEGO
 RANCHO LAS PALMAS
 NEWPORT BEACH
 LOS ANGELES (AAE HDO)
 DESERT SPRING
 LA JOLLA



ACCESS TO FITNESS CENTER, LOCATED ON LOWER LEVEL



TECHNICAL EXHIBITS

Amadent (Booth #109)
P.O. Box 733
Cherry Hill, NJ 08003

Analytic Technology Corp. (Booth #145)
3301 - 181st Place N.E.
Redmond, WA 98052

Astra Pharmaceutical Products, Inc. (Booth #124)
50 Otis St.
Westborough, MA 01581

Block Drug Co., Inc. (Booths #119-120)
105 Academy St.
Jersey City, NJ 07302

Brasseler USA Inc. (Booth #148)
800 King George Blvd.
Savannah, GA 31419

L.D. Caulk Co. (Booths #103-104-105)
P.O. Box 359
Milford, DE 19963

Centrix Incorporated (Booth #139)
30 Stran Rd.
Milford, CT 06460

R. Chige, Inc. (Booth #102)
475 W. Merrick Rd.
Valley Stream, NY 11580

Columbus Dental (Booth #108)
1000 Chouteau Ave., P.O. Box 620
St. Louis, MO 63188

Core-Vent Corp. (Booth #160)
15821 Ventura Blvd., Suite 420
Encino, CA 91436

Dent-X (Booth #159)
250 Clearbrook Rd.
Elmsford, NY 10523

Dermac (Booth #154)
P.O. Box 5268
Salem, OR 97304

Designs for Vision (Booth #143)
760 Koehler Ave.
Ronkonkoma, NY 11779

Dunvale Corp. (Booth #149)
141 Union St.
Gilberts, IL 60136

Eagle Dental Inc. (Booth #121)
100 Chetwynd Dr.
Bryn Mawr, PA 19010

Ellman International Mfg., Inc. (Booth #101)
1135 Railroad Ave.
Hewlett, NY 11557

Encyclopaedia Britannica, USA (Booth #129)
310 South Michigan Ave.
Chicago, IL 60604

Endo Technic Corp. (Booth #134)
1760 S. Anaheim Blvd. J
Anaheim, CA 92805

Essential Dental Systems, Inc. (Booth #137)
7 W. 36th St.
New York, NY 10018

Healthco International (Booth #115)
25 Stuart St.
Boston, MA 02116

Healthfirst Corp. (Booth #140)
22316 70th Ave. W., Unit A
Mountlake Terrace, WA 98043

Hu-Friedy Mfg. Co., Inc. (Booth #142)
3232 N. Rockwell St.
Chicago, IL 60618

Hygenic Corp. (Booths #113-114)
1245 Home Ave.
Akron, OH 44310

Inter-Dent (Booth #112)
391 Steelcase Rd. W., Unit 16
Markham, ON, Canada L3R 3V9

JS Dental Mfg. Inc. (Booth #123)
P.O. Box 904
Ridgefield, CT 06877

K-Comp Systems (Booth #141)
535 N. Brand Blvd., Suite 601
Glendale, CA 91201

Kerr Mfg. Co. (Booth #131)
28200 Wick Rd.
Romulus, MI 48174

Knoll Pharmaceuticals (Booth #111)
30 N. Jefferson Rd.
Whippany, NJ 07981

Kyocera America/Bioceram Dent. Div. (Booth #146)
8611 Balboa Avenue
San Diego, CA 92123

Lea & Febiger (Booth #132)
600 S. Washington Sq.
Philadelphia, PA 19106

Lee Pharmaceuticals (Booth #107)
1444 Santa Anita Ave.
South El Monte, CA 91733

Life-Tech Inc. (Booth #147)
1628-8 Dale Mabry Highway, Ste. 108
Lutz, FL 33549

M&D Int'l Enterprises, Inc. (Booth #138)
P.O. Box 1294
Carpinteria, CA 93013

Mada Equipment Co. (Booth #151)
60 Commerce Rd.
Carlstadt, NJ 07072

Medidenta International, Inc. (Booth #128)
39-23 62nd St.
Woodside, NY 11377

Microcopy (Booth #136)
3120 Moon Station Rd., P.O. Box 3047
Kennesaw, GA 30144

National Dent. Mutual Insurance Co. (Booth #158)
282 Second St.
San Francisco, CA 94105

Navy Recruiting Command (Booth #156)
4015 Wilson Blvd., BCT #3
Arlington, VA 22203

Nephron Corp. (Booth #153)
3319 Pacific Ave.
Tacoma, WA 98408

Ortho Management Systems (Booth #116)
3120 Crossing Park
Norcross, GA 30071

Osada Electric Co., Inc. (Booth #152)
8242 W. Third St., #150
Los Angeles, CA 90048

Patterson Dental Co. (Booth #133)
1100 E. 80th St.
Minneapolis, MN 55420

Premier Dental Products Co. (Booth #125)
1710 Romano Dr., Box 111
Norristown, PA 19404

Professional Results, Inc./Tooth Slooth
(Booth #157)
9201 Whitney Way
Cypress, CA 90630

Pulpdent Corp. of America (Booth #130)
75 Boylston St.
Brookline, MA 02147

Quality Aspirators (Booth #110)
1002 Dove Creek
Duncanville, TX 75116

Quintessence Publishing Co. (Booth #106)
870 Oak Creek Dr.
Lombard, IL 60148

Roydent Dental Products, Inc. (Booth #118)
6966 Crooks Rd.
Troy, MI 48098

W.B. Saunders Co. (Booth #155)
West Washington Sq.
Philadelphia, PA 19105

Henry Schein, Inc. (Booth #161)
5 Harbor Park Dr.
Port Washington, NY 11050

Charles B. Schwed Co. (Booth #135)
138 Audley St.
Kew Gardens, NY 11418

Tamiko Corp. (Booth #144)
15020 Delano St.
Van Nuys, CA 91411

Treloar & Heisel, Inc. (Registration Area)
3132 Wilmington Rd.
New Castle, PA 16105

Tulsa Dental Products (Booth #162)
5010 E. 68th St.
Tulsa, OK 74136

Uniflex Endodontic Co. (Booth #122)
P.O. Box 1806
Troy, MI 48098

Union Broach/A Health-Chem Co.
(Booths #126-127)
1107 Broadway
New York, NY 10010

Whitehall Laboratories (Booth #117)
685 Third Ave.
New York, NY 10017

Non-Technical Exhibits

American Audio Association (Registration Area)
307 Willis Avenue
Mineola, NY 11501

AAE Career Counseling
1989 Annual Session



BOARD & COMMITTEE MEETINGS

MONDAY, APRIL 18

ABE Board 8 am-6 pm

Room

La Jolla

TUESDAY, APRIL 19

ABE Oral Exams
E&M Foundation Trustees
8 am-5 pm

Rancho Las Palmas
Orange County 1

WEDNESDAY, APRIL 20

AAE Board of Directors
8 am-5 pm
ABE Oral Exams

Orange County 1
Rancho Las Palmas

FRIDAY, APRIL 22, 7:30-9 am

Dental Care & Clinical Practice
Editorial Board
Educational Affairs
Federal Dental Health Services
Student Members

Salon C
Rancho Las Palmas
San Diego
Main Tower Ste 533
Salons A & B

SATURDAY, APRIL 23, 7:30-9 am

Member Services
Membership
Professional Standards, Peer
Review & Ethics
Research & Scientific Affairs

Newport Beach
Rancho Las Palmas
San Diego
Main Tower Ste 506

SUNDAY, APRIL 24

AAE Board of Directors
8 am-1 pm

Orange County 1

ALUMNI, AFFILIATES & OTHER GROUPS

THURSDAY, APRIL 21

US Army Assn of Endo 1-2 pm
Int'l Federation of Endo Assns
2-5 pm
Christian Endo Society 5-6 pm
Pennsylvania Academy of Endo
5-5:30 pm
UNC Endo Alumni 6-8 pm
US Army Assn of Endo
6-10 pm
Northwestern Alumni
6:30-8 pm
Tufts Endo Alumni
6:30-8:30 pm
USC Alumni 6:30-10:30 pm
Boston Univ Endo Alumni
7-10:30 pm
F. James Marshall Recpt 6-8 pm

Room

Salon J
Orange County 5
Newport Beach
Salon G
Salon C
Salons A & B
Veranda Restaurant
Vice-Presidential Suite
Salon E
Orange County 1
Salon D

FRIDAY, APRIL 22

Albert Einstein Medical Center
Alumni 6-8 pm
H.J. Healey Endo Study Club
7:30-9 am
MCV Endo Alumni 7:30-9 am
Oklahoma Assn of Endo
7:30-9 am
Univ of Michigan Endo Alumni
7:30-9am
Florida Assn of Endo 5-6 pm
Iowa Endo Group 6-8 pm
Michigan Assn of Endo 6-8 pm
Temple Univ Endo Alumni
6:30-8 pm
Univ of Wash Grad Endo
Alumni 6:30-8:30 pm
VA Long Beach Endo Alumni
6:30-9 pm
Univ of Maryland Endo Alumni
7-9 pm

Newport Beach
Salon D
Veranda Restaurant
Main Tower Ste 606
Newport Beach
Orange County 3
Salon B
Salon D
Salon C
Salon A
Orange County 5
Rancho Las Palmas

SATURDAY, APRIL 23

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

Salons A & B
Salon C
Veranda Restaurant

PAST PRESIDENTS

*W. Clyde Davis	'43-44
*Ralph F. Sommer	'44-45
*Robert G. Kesel	'45-46
*E.G. Van Valey	'46-47
Maynard K. Hine	'47-48
Louis I. Grossman	'48-49
*Elmer A. Jasper	'49-50
*Raymond L. Girardot	'50-51
*George G. Sharp	'51-52
F. Darl Ostrander	'52-53
Laurence A. Lucas	'53-54
*N. Weir Burkman	'54-55
*Harry J. Healey	'55-56
John R. Pear	'56-57
*George C. Hare	'57-58
George G. Stewart	'58-59
*J. Henry Kaiser	'59-60
*Paul P. Sherwood	'60-61
*Glenn R. Brooks	'61-62
Vincent B. Milas	'62-63
James H. Sherard, Jr.	'63-64
Jacob B. Freedland	'64-65
*Henry S. Schmidt	'65-66
John I. Ingle	'66-67
Edwin C. Van Valey	'67-68
Samuel S. Patterson	'68-69
Warren J. Hedman	'69-70
John F. Bucher	'70-71
Dudley H. Glick	'71-72
I.B. Bender	'72-73
Charles A. Scott, Jr.	'73-74
Alfred L. Frank	'74-75
Robert A. Uchin	'75-76
Frank B. Trice	'76-77
George A. Zurkow	'77-78
Harry Blechman	'78-79
Paul E. Zeigler	'79-80
Edward M. Osetek	'80-81
Henry J. Van Hassel	'81-82
Noah Chivian	'82-83
Donald E. Arens	'83-84
Stephen F. Schwartz	'84-85
Herbert Schilder	'85-86
Michael A. Heuer	'86-87

AWARD RECIPIENTS

Edgar D. Coolidge Award

*Edgar D. Coolidge	'69
*Harry B. Johnston	'70
*Henry A. Bartels	'71
Bertram L. Wolfsohn	'74
Vincent B. Milas	'75
Worth B. Gregory	'78
Jacob B. Freedland	'80
Alfred L. Frank	'81
George G. Stewart	'82
F. Darl Ostrander	'83
Maynard K. Hine	'83
*George C. Hare	'84
*Irving J. Naidorf	'85
Harry Blechman	'86
I.B. Bender	'87
Dudley H. Glick	'88

Louis I. Grossman Award

Louis I. Grossman	'73
*Birger Nygaard-Ostby	'76
I.B. Bender	'78
Samuel Seltzer	'80
Harold R. Stanley	'81
Kaare Langeland	'82
Henry J. Van Hassel	'84

Ralph F. Sommer Award

Calvin D. Torneck	'84
Alfred L. Frank	'85
Mahmoud Torabinejad	'86
John I. Ingle	'87

HONORARY MEMBERS

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

*Deceased

PRINCIPAL SPEAKERS



MARWAN ABOU-RASS, DDS, MDS, PhD
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