American Association of Endodontists
Thirty-Third Meeting—April 28 thru May 2, 1976—Hollywood, Florida
PRESIDENT’S WELCOME

It is a pleasure for me, on behalf of the officers and directors of the Executive Committee, to extend a cordial welcome and greeting to each of you here in attendance at our thirty-third annual meeting.

Rarely does one have an opportunity to host a national meeting of such stature in one’s own backyard. It is my pleasure to do so. Welcome to the Land of Sunshine. This meeting has been structured with both you and the environment in mind.

Enjoy yourself! Educate yourself!

We have an unusual opportunity this year to host many of our South American and other foreign colleagues. For the first time, we are providing simultaneous translation both from English to Spanish and from Spanish to English. This should broaden the scope of our meeting for member, clinician and guest alike.

Many thanks to each of the committee people who have made the meeting a reality. They have all worked very hard for the better part of two years to make your stay a social and educational success.

In this, our Country’s Bicentennial year, let us all show members and guests alike, true American friendliness by the warmth of our hospitality.

Cordially,

Robert A. Uchin, D.D.S.,
President
Greetings to Members and Guests

We speak of Bicentennial Celebrations, Bicentennial Cities, even Bicentennial Breakthroughs! In this "Spirit", I should like to offer -- "Bicentennial Blend".

For "Bicentennial Blend" is a perfect description of this year's Annual Meeting in Hollywood, Florida — a blend of the excellence of the scientific program seasoned with the superbness of leisure time activities, flavored with the luxury of a magnificent convention complex.

Scientifically speaking, Gerald Cathey has put together an outstanding program of clinicians of international repute.

In the Spirit of '76, we have a number of "revolutionary" events this year such as wives joining us at luncheons, an afternoon seminar for husbands and wives and late night hospitality.

In addition to the various planned activities, we hope you will take advantage of this new center of Gold Coast attractions -- midway between the numerous activities of Ft. Lauderdale and the glittering excitement of Miami Beach.

Our warmest welcome to you all! If there is anything we can do to enhance your stay, please feel free to contact your Florida hosts.

Surely this is the best of all worlds for the best of all meetings!

Gerald I. Wernick, D.D.S.
Arrangements Chairman
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OFFICERS
AMERICAN ASSOCIATION OF ENDODONTISTS

Robert A. Luchin
President

Frank B. Trice
President Elect

George A. Zurkow
Vice President

Henry J. Van Hassel
Secretary

Edward M. Osetek
Treasurer

Worth B. Gregory, Jr.
Editor

EXECUTIVE COMMITTEE

1976
Gerald W. Harrington
John T. Sowle
Paul E. Zeigler

1977
Donald E. Arens
Noah Chivian
R. J. Shankle

1978
Gerald M. Cathey
Daniel B. Green
W. Paul Radman

IMMEDIATE PAST PRESIDENT: Alfred L. Frank
STUDENT REPRESENTATIVE: Rudolph Lantelme
EXECUTIVE DIRECTOR: Elenore L. Baker
AMERICAN BOARD OF ENDODONTICS

1976
Harry Blechman, *pres.*
Irving J. Naidorf
Herbert Schilder

1977
Michael A. Heuer, *secy.*
Seymour Oliet
Marshall H. Smulson

1978
Melvin Goldman
Thomas P. Mullaney
Calvin D. Torneck

TRUSTEES, AAE ENDOWMENT AND MEMORIAL FOUNDATION

1976
Julian L. Kelly, *secy.*
John Dowson
Stephen F. Schwartz

1977
Richard C. Burns, *chm.*
H. David Prensky
Warren T. Wakai

1978
Harold H. Epstein, *vice chm.*
Leo Grudin
George C. Israel

Ex Officio Members: H. J. Van Hassel and Michael A. Heuer

PAST PRESIDENTS

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<td>Louis I. Grossman</td>
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<td>I. B. Bender</td>
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<td>George C. Hare</td>
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<td>Charles A. Scott Jr.</td>
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<td>1958</td>
<td>George G. Stewart</td>
<td>1974</td>
<td>Alfred L. Frank</td>
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*Deceased

HONORARY MEMBERS

Mary C. Crowley
Sir Wilfred E. Fish
Louis I. Grossman

Harry J. Healey
Walter Hess
Maynard K. Hine

Maury Massler
B. Nygaard Ostby
Harold Stanley
Aguilar, Enrique C.  
Albert, Harry *  
Alexander, M.M.  
Anderson, A. Floyd  
Anthony, L. Pierce  
Auverbach, M.B.  
Auslander, Walter P.  
Bannister, G.P.  
Barab, John D.  
Bender, I.B.  
Bolotny, Sophia  
Burkman, N. Weir  
Cahn, L.R.  
Conat, Charles N.  
Coolidge, Edgar D.*  
Crockett, C.D.  
Crook, J. Hobson  
Davis, W. Clyde *  
Dawson, Paul T.  
DeWitt, Truman G.  
Dummett, Clifton O.  
Epstein, Irwin A.  
Epstein, Irving L.  
Fineman, George G.  
Girardot, G.L. *  
Green, S.D.  
Grossman, Louis I.  
Hare, George C.  
Hayes, Raymond L.  
Haymaker, George T.  
Henriques, Pedro E.  
High, O.C.  
Hine, Maynard K.  
Hospers, John H.  
Ingersoll, William B.  
Jasper, Elmer A. *  
Johnston, Harry B.  
Kahn, Henry  
Kaiser, J. Henry  
Kalk, Lester E.  
Kesel, Robert G.  
Levy, Saul  
Lorenz, George W.  
Lucas, L.A.  
Lundquist, G.R. *  
McCormack, O.J.  
Maizels, Albert D.  
Maxmen, Harold A.  
Meiman, Benjamin W.  
Meining, Douglas A.  
Meining, George E.  
Milas, Vincent B.  
Neuwirth, P. Sidney  
Obst, Joseph J.  
Pear, John R.  
Pearson, Hyman H.  
Peschelt, William A.  
Pharr, J.R. *  
Rafish, S.M.  
Ritter, J.W.  
Robbins, Samuel M.  
Ross, Percy J.  
Sample, Arthur R.  
Sawyer, Carl W.  
Schiff, William M.  
Schwartz, Milton  
Sharp, George C. *  
Siegel, Louis C.  
Simmons, D.G.  
Sommer, Ralph F. *  
Starshak, Thomas C.  
Thorson, A.T.  
Van Valey, E.G. *  
Vaughn, George W.  
Walcott, Harold I.  
White, Charles M.  
Yates, M.F.  

* Deceased
1976 ANNUAL MEETING COMMITTEES

PROGRAM ................................................................. Gerald M. Cathey, chairman
Audio-visual clinics ......................................................... James E. Ainley, Jr.
Commercial exhibits ....................................................... Ernest J. Horky, chairman
Mrs. D. Broach Thurston, manager
Latin American section ..................................................... Jose Oynick and H. David Prensky
Luncheon with Learning ..................................................... Stuart B. Fountain
Printed program .............................................................. Elenore L. Baker
Projected clinics ............................................................... Jack Landsberg
Table clinics ............................................................... Benjamin W. Brown
Research seminar .......................................................... Melvin Goldman

GENERAL ARRANGEMENTS .................................................... Gerald I. Wernick, chairman
Audio-visual equipment ..................................................... Jerald E. Rubin
Banquet section .......................................................... Robert S. Mullaney
Fun in Sun ................................................................. James B. Satovsky
Hosts .............................................................. L. Irving Epstein
Registrations ............................................................. Jon L. Rauch, chairman

Signs .............................................................. Jay C. Green

WOMEN’S AUXILIARY
Program and Arrangements ...................................................... Mrs. Gerald Wernick (Vi)
Mrs. Stephen Morrow (Michele)
Registration ................................................................. Mrs. Jon Rauch (Nancy)
Mrs. James Satovsky (Risha)
Mrs. R. C. McDavid (Lee)
Hospitality ............................................................. Mrs. Robert Uchin (Marlene)
Favors ................................................................. Mrs. Fred Widerman (Judie)
Mrs. Harold Goodis (Joan)
Flowers .............................................................. Mrs. Bernard Rosenn (Evelyn)
GENERAL INFORMATION

AAE Headquarters Office is located in the Windsor Room near the registration area and will be open from Wednesday through Saturday from 8:30 a.m. until 5:00 p.m., and on Sunday from 9:00 a.m. until noon. On hand to assist you will be members of the Atlanta office staff: Elly Baker, executive director, Dottie Abbott, Irene Elliott and Carol Lee.

Badges. Please wear name badges at all times—preferably on your right side.

About the Banquet!

Please note that a ticket is not included in your registration packet. Instead, there is a voucher which will be exchanged for a ticket when you make your table selection. This must be done no later than 5:30 p.m. Thursday, April 29, to permit us to provide the hotel with an accurate count.

You may reserve as many seats, or an entire table, as you wish, provided you have the proper number of vouchers with you when making reservations. None will be accepted without a voucher. A floor plan is displayed at the reservation desk in the North Gallery near the registration desk.

Commercial Exhibits are located in Regency North and will be open on Wednesday from 6:00 to 8:00 during the Fellowship Reception; Thursday, Friday and Saturday from 8:30 until 5:00 p.m. Members are urged to visit the exhibit hall as often as, and whenever possible.

Convention Cassettes. Eastern Audio Associates is again serving as AAE’s official recording company and will record most of the sessions and major speeches on cassettes. Instant copies will be available at EA’s booth located in the registration area. You may also use the order form included in your registration packet. Please note the box number (S or D - 76 - ) shown in this program next to each event being taped. This is the number to use when ordering cassettes. Sessions being translated will be available in both English and Spanish.

Florida Continuing Education Credit. This AAE Annual Session has been approved by the Florida Dental Association Council on Dental Education, Registry number 328. You may claim one (1) credit per hour of scientific lecture.

Non-AAE Functions. All events sponsored by study clubs, alumni associations, etc., are listed in the condensed program which appears in the center section of this book.

Translations. The following sessions will be simultaneously translated into Spanish: all scientific sessions, the non-graduate research seminars and the AADS (Endodontic Section) Meeting.

The Latin American Section on Friday morning, will be translated from Spanish into English.

All sessions being translated are marked with an asterisk (*) in the program listing.

ABOUT SMOKING. The committee has elected to take the middle of the road. Instead of banning smoking at the scientific sessions, arrangements have been made for smoking sections in the rear of the room. Smokers — please consider your non-smoking colleagues and select seats accordingly. For those who are annoyed by smoke, we suggest you take seats at the front of the room.
PROGRAM

8:45 to 9:00 — Convention Hall
Welcome: President Uchin

THURSDAY
April 29, 1976

9:00 to Noon — Convention Hall

SCIENTIFIC SESSION — Moderator: Daniel B. Green, Richmond, VA

REPLANTATION OF AVULSED TEETH (S76-1)*

Jens O. Andreasen received his D.D.S. in 1959 from the Royal Dental College, Copenhagen, Denmark. Certified in oral surgery, he is currently Associate Director of the Dental Clinic, University Hospital, and Research Associate, Department of Oral Pathology, Royal Dental College, Copenhagen. Dr. Andreasen has authored many publications and done research on traumatic dental and maxillo-facial injuries, replantation and transplantation of teeth, and surgical endodontics.

Synopsis: A replantation procedure is described which is based on recent experimental research in monkeys and clinical material. This procedure is aimed to limit the risk of root resorption and enhance the survival of the periodontal membrane and the pulp.

ENDODONTICS AND FURCATION THERAPY (S76-2)*

Gerald M. Kramer, Boston, MA. Professor and Chairman, Dept. of Periodontology, Boston University School of Graduate Dentistry; Diplomate and Director of American Board of Periodontology; Chief of Service, Periodontology Section, Reisman Dental Clinic, Beth Israel Hospital, Boston; and Chief of Service, Periodontology Section, Stomotologic Service, University Hospital, Boston University Medical Center, Boston.

Synopsis: In an extention of the course, Integration of Endodontics with Total Case Planning and Therapy, the problem of furcation analysis and treatment when periodontists and endodontists are involved in conjoint therapy will be presented in detail.

THE MORPHOLOGIC AND PHYSIOLOGIC BASIS FOR DENTIN SENSITIVITY (S76-3)*

Leif Tronstad, Malmo, Sweden. Received the degrees Licenciate of Odontology at the Dental Faculty, University of Oslo, and Doctor Of Odontology (Ph.D.) at University of Oslo. Presently Professor and Chairman, Dept. of Endodontics, University of Lund, Malmo. Author of more than 50 publications and guest lecturer at European and American universities.

Synopsis: In contrast to enamel and cementum, the dentin of vital teeth is a sensitive tissue. For a century and a half extensive research has been carried out to elucidate the mechanisms of pain transmission in the dentin, and three main theories have emerged: 1) Direct stimulation of sensory nerves in the dentin (BOLL, 1863); 2) The odontoblasts have a special sensory function, i.e. by way of their processes in the dentinal tubules they receive and transmit stimuli to nerves in the pulp (WHITE, 1871); 3) Mechanical stimulation of nerves in the pulp by movements in the fluid contained within the dentinal tubules (GUSY, 1900). The various theories will be discussed in the light of recent morphologic and physiologic investigations.

* Indicates program being translated

-6-
9:00 to Noon — Mezzanine Theater

PROJECTED CLINICS (ENGLISH) Chairman, Jack Landsberg, Miami, FL

9:00 — Robert V. Weissman, Fairlawn, NJ
Filling with Titanium in fine canals
9:40 — Frank T. Wais, Leesburg, FL
Practice Aids in Endodontic Practice
10:20 — Manuel I. Weisman, Augusta, GA
Acid-Etch Splinting of Luxated Teeth
11:00 — Yury Kuttler, Mexico
Analysis & Comparison of Root Canal Filling Technics

9:00 to Noon — Capital Room

PROJECTED CLINICS (SPANISH) Chairman, Jack Landsberg, Miami, FL

9:00 — Juvenal Gonzalez Leon de Peralta, Lima, Peru
Apical Impression Filling Technique
10:00 — Oscar A. Maisto, Buenos Aires, Argentina
Reparacion Apical y Periapical en Endodoncia
11:00 — Daniel Silva-Herzog, Mexico
Obluration of the Canal with the Impression Technique

9:00 to Noon — Regency East

ENDODONTIC RESEARCH SEMINAR — GRADUATE STUDENT SECTION

Moderator: Samuel Seltzer, Philadelphia, PA
9:00 to 9:25

Vital Pulpotomy Utilizing Variable Concentrations of Paraformaldehyde in Rhesus Monkeys (S76-4)
Louis C. Peron, University of North Carolina

Synopsis: The purpose of the study was to determine the effect of various concentrations of paraformaldehyde on pulps of four female rhesus monkeys. The dressing material consisted of paraformaldehyde and zinc oxide mixed with paraffin oil to form a thick, homogenous, non-setting paste. Concentrations of 19%, 5%, 2% and 1% paraformaldehyde were used.

9:25 to 9:50

Evaluation of Root Canal Debridement Techniques (S76-4)
Stephen Littman, University of Maryland

Synopsis: Prior studies including our own preliminary in vitro investigation, have
demonstrated that all instrumentation techniques are less than ideal in debride-
ment. Using a new method of evaluating preparation techniques, we were able to
clearly delineate areas of poor debridement within the root canal systems.

9:50 to 10:15

A scanning electron microscopic study of the efficacy of various endodontic
instruments. (S76-4)
Samual J. Mizrahi, Temple University

Synopsis: The Giromatic broach, hedstroem files, regular files and regular reamers
were used to prepare root canals. Assessment of the effectiveness of those instru-
ments was made by scanning electron microscopy. Best results were obtained
with regular files and reamers used in combination. The worst results were found
when the Giromatic broach was used.

10:15 to 10:40

Cobalt Radiation and Pulpal Manipulation in Monkeys (S76-5)
Richard E. Anglin, University of North Carolina

Synopsis: The purpose of this study was to evaluate the effects of cobalt radiation
in monkeys, both on healthy pulpal tissues and on pulpal and periapical tissues of
teeth that received root canal fillings and formocresol pulpotomies.

10:40 to 11:05

Immune Components in Human Dental Pulp and Periapical Lesions (S76-5)
W. H. Pulver, Harvard School of Dental Medicine and Forsyth Dental Center

Synopsis: This study examined normal and inflamed pulpal tissue as well as peri-
apical lesions for the presence of immune components. Tissues were stained with
monospecific fluorescein conjugated anti-human IgG, IgM, IgE, C3 and C4 and ex-
amined by means of immunofluorescence microscopy. Results indicate that anti-
body synthesis may occur locally both in inflamed pulp and periapical lesions.

11:05 to 11:30

Antigen Antibody Induced Periapical Lesions (S76-6)
Mahmood Torabinejad, University of Washington

Synopsis: The role of immune complexes (IC) in periapical endodontic lesions was
investigated to determine the presence, character and severity of IC induced peri-
apical tissue changes. The data from the radiographic and histologic studies of the
upper canines of cats suggest that ICs may play, in part, a role in acute and chronic
periapical lesions observed in man.

11:30 to Noon

Viscosity of Gutta Percha and the Flowrate of Gutta Percha (S76-6)
William A. Shelton, Jr., Boston University School of Graduate Dentistry
Synopsis: The historical, chemical and physical aspects of gutta percha will be discussed. Different types and brands of gutta percha and related compounds were heated and extruded through capillaries which approximate the internal dimensions of a root canal system. Data will be reported on shear rates, shear stresses and viscosity. Additionally, data will be reported on hand condensation, effects of aging and mechanical manipulation of gutta percha.

Noon to 2:00 — Regency West/South

LUNCHEON WITH CULTURE

Speaker: Fernando Ortiz-Monasterio, M.D., Professor of Plastic Surgery, Graduate Division, Medical School, Universidad Nacional Autonoma de Mexico; Director of the Institute of Plastic Surgery, Hospital General de Mexico; Professor of Maxillofacial Surgery, Dental School, National University of Mexico; Chairman Mexican Board of Plastic Surgery and President of the National Academy of Medicine.

Panoramic View of Oro-Facial Deformities in Mexico. (S76-7) A general outline of the cultures that blend to make the history of Mexico will be briefly presented pointing out those characteristics still remaining at the present time. Some cultural traits persisting in isolated groups not incorporated in modern culture have a direct relation with the attitude towards congenital deformities; these will be examined in different ethnic groups taking the opportunity to show some of the folklore.

Our approach to the treatment of congenital deformities around the mouth will be presented emphasizing the adaptation of modern technology to the care of patients in a large well equipped medical center and in the rural area.

2:00 to 5:00 — Regency East

ENDODONTIC RESEARCH SEMINAR — NON-GRADUATE STUDENT SECTION

Moderator and Chairman: Melvin Goldman, Worcester, MA

2:00 to 2:25

Thermomechanical Softened Gutta Percha Technique (S76-8)*
Alfonso Moreno, Mexico

Synopsis: Discussion and photographs of autoradiographic studies will be presented to compare the degree of condensation of root canal fillings. Three techniques will be compared: (1) lateral condensation of gutta percha, (2) silver cone technique and (3) thermomechanically softened gutta percha using the Cavitron.

2:25 to 2:50

An Anatomical Investigation of the Coronal Pulp Chambers of Maxillary and Mandibular, First and Second Molar Teeth, Utilizing a Silicone Rubber Technique (S76-8)*
Ronald Sproles*, Marwan Abou-Rass, University of Southern California

Synopsis: A specialized vacuum injection technique utilizing silicone rubber material produced exact molds of the coronal root canal chambers. Data from various measurement techniques will be presented to characterize the coronal chamber and adjacent tooth structure. Discovery of a unique cervical pulp chamber and its significance in restorative dentistry will also be discussed.

2:50 to 3:15

Physical Properties of Root Canal Cements (S76-9)*
Louis I. Grossman, University of Pennsylvania

Synopsis: AH 26, Diaket, Kerr sealer, Mynol, N2, N2 no lead, Procoslol, Roth 801, Roth 811, RC2B, Tubi-seal, and zinc oxide-eugenol cement were examined for particle size, flow, setting time, adhesion, and peripheral leakage. The results varied in a rather wide range. An examination of the data should help the generalist or endodontist toward a better understanding of the material he is using, and suggest to manufacturers opportunities for improving their products.

3:15 to 3:40

Clinical and Radiographic Investigation of 150 Endodontic Implants (S76-9)*
Oscar A. Maisto, Buenos Aires, Argentina

Synopsis: The authors investigated clinically and radiographically 150 intraosseous endodontic implants made in a period of four years. It was then demonstrated that 110 cases were successful while prognosis in time based upon clinical criterion by acquired experience showed a decrease to 60 successful cases. As final conclusion, authors state that implants, much more than in any other endodontic fulfillment, demand an exhaustive study of each case before and after treatment, the maintenance of occlusal equilibrium and dental rehabilitation, so that initial success may be prolonged in time thus justifying the procedure.

3:40 to 4:05

Clinical Study of Hydron as a Root Canal Filling Material (S76-10)*
Lawrence B. Goldman, Tufts University School of Dental Medicine

Synopsis: For the past several years the authors have published and reported on the histology of Hydron when used as a root canal filling. The present study is a report of its clinical use in humans.

4:05 to 4:30

Revitalization of Pulless Open Apex Teeth in Rhesus Monkeys Using Cologen-Calciium Phosphate Gel (S76-10)*
Alan Nevins, Nassau County Medical Center
Synopsis: Collagen-calcium phosphate gel appears to be capable of incuding revitalization of pulpless open apex teeth within 12 weeks with various forms of hard and soft connective tissue. Tropo-collagen molecules within the gel spontaneously polymerize at body temperature to form collagen fibrils which are chemoe- tactic for host fibroblasts and also form a microscaffold capable of supporting cellular migration. Dilute solutions of CaCl₂ and K₂HPO₄ combine within the gel to form hydroxyapatite crystals which serve as a nidus and seed connective tissue ingrowth contributing to its ultimate mineralization. Calcification of this tissue also appears to be influenced by local environmental factors such as inductive capacity of the root canal dentin.

4:30 to 4:55

Acupuncture and Endodontics (S76-10)*
Marvin A. Gross*, Donald Morse, Temple University

Synopsis: A clinical study is presented in which acupuncture was used for attempted analgesia for ten teeth in eight patients. The teeth were endodontically involved with vital pulps. Combinations of dental and non-dental acupuncture sites were used. Needle insertion was by electrical and manual methods. The results showed: 1) acupuncture, by itself, was effective enough to allow for pain-free pulpal extirpation and instrumentation in one case; 2) acupuncture had to be supplemented by a small amount of intra-pulpal local anesthesia in six cases; 3) acupuncture had to be augmented by a small dose of an inferior alveolar local anesthetic injection in one case; and, 4) no analgesia resulted from acupuncture use in two cases.

2:00 to 5:00 — Convention Hall

SCIENTIFIC SESSION — Moderator: Howard Martin, Silver Spring, MD

ANOTHER VIEW OF THE "SIMPLIFIED" ENDODONTIC METHOD (A CRITICAL ANALYSIS)*
Stephen Cohen, San Francisco, CA

Synopsis: This presentation will discuss materials and methods of the various paste type fillings.

MAY I HAVE THE FIRST SLIDE PLEASE? (REVISITED)*
Richard C. Burns, San Mateo, CA, Noah Chivian, West Orange, NJ, Stephen Cohen and John Sapone, San Francisco, CA.

Synopsis: Solid scientific material is the basis of any fine lecture. Sharp, clean graphics raise the status of a good paper to a superb presentation. Burns will illustrate the use of color, interesting letterface, transfer materials and good composition. Chivian will explore the evolution of the title slide with progressive examples of the simplest write-on to the elaborate collage. He will discuss multiple projection techniques, progressive disclosure and continuity in his E.S.P. (effective slide presentation) series. Consider how to end a slide essay. Lack of thunderous applause and standing ovations at the end of a heavy presentation can demoralize a good clinician. Sapone says, "Try a mini-essay finale. Most of us have the material, let's put it to use."

10:30 to Midnight — Regency South

LATE NIGHT HOSPITALITY
TUESDAY, April 27, 1976

9:00 a.m. to 5:00 p.m.
- ABE Written Examination: Capitol Room
- ABE Oral Examinations: Courier & Secretariat Rooms
- Endowment & Memorial Foundation Trustees Meeting: Committee Room

WEDNESDAY, April 28, 1976

9:00 a.m. to 5:00 p.m.
- AAE Executive Committee Meeting: Congress Room
- ABE Oral Examinations: Courier & Secretariat Rooms
- Continuing Education Course (Stanley): Mezzanine Theater
- Continuing Education Course (Kramer): Capitol Room

9:00 a.m. to 6:00 p.m.
- Registration: North Gallery

12:30 p.m.
- Golf Tournament: Diplomat Presidential Course
- Tennis Tournament: Diplomat Racket Club

5:30 p.m. to 6:15 p.m.
- International Reception: President’s Suite-Penthouse

6:00 p.m. to 8:00 p.m.
- Opening of Commercial Exhibits: Regency North
- Fellowship Reception: Regency North/West

THURSDAY, April 29, 1976

7:00 a.m. to 8:45 a.m.
- New Member & Graduate Student Breakfast: Regency South

8:00 a.m. to 6:00 p.m.
- Registration: North Gallery

8:30 a.m. to 5:00 p.m.
- Commercial Exhibits: Regency North

8:45 a.m. to 10:00 a.m.
- Graduate Student Section Meeting: Regency South

8:45 a.m. to 9:00 a.m.
- Welcome: President Uchin: Convention Hall

9:00 a.m. to Noon
- Scientific Session*: Convention Hall
- Projected Clinics (English): Mezzanine Theater
- Projected Clinics (Spanish): Capitol Room
- Endodontic Research Seminar-Grad. Student: Regency East

Noon to 2:00 p.m.
- Luncheon and Culture*: Regency West/South

2:00 p.m. to 5:00 p.m.
- Scientific Session*: Convention Hall
- Endodontic Research Seminar-Non-Grad. Student*: Regency East

6:30 p.m. to 8:00 p.m.
- Univ. of Pa. Endodontic Alumni Party: Embassy Room
- Tri-State Society of Endodontists’ Party: Sheherazade Room
- Univ. of Wash. Graduate Endo Alumni Party: Congress Room

10:30 p.m. to Midnight
- Late Night Hospitality: Regency South

FRIDAY, April 30, 1976

7:30 a.m. to 8:45 a.m.
- Committee Breakfast Meetings: Mezzanine Theater
  (International Relations, Honors & Awards, Peer Review and Editorial Board)

8:00 a.m. to 6:00 p.m.
- Registration: North Gallery
PROGRAM

8:30 a.m. to 5:00 p.m.
Commercial Exhibits ........................................ Regency North

9:00 a.m. to Noon
Scientific Session* ......................................... Convention Hall
Latin American Section* ................................ Regency East

Noon to 2:00 p.m.
Luncheon with Learning ...................................... Assigned Rooms (See Ticket)

2:00 p.m. to 5:00 p.m.
Endodontic Research Seminar-Non-Grad. Student* ............ Regency East
Audio-Visual Presentations ................................ Convention Hall
Audio-Visual Presentations ................................ Mezzanine Theater
Audio-Visual Presentations ................................ Capitol Room

6:30 p.m. to 9:00 p.m.
Army Endo Party .............................................. Mezzanine Theater

7:00 p.m. to 9:00 p.m.
Boston Univ. Endodontic Alumni Party ......................... Congress Room

10:30 p.m. to midnight
Late Night Hospitality ........................................ Regency South

SATURDAY, May 1, 1976

7:00 a.m. to 8:45 a.m.
Boston Univ. Alumni Breakfast ................................ Congress Room

7:30 a.m. to 8:45 a.m.
Harry Healey Study Club Breakfast .............................. Mezzanine Theater
Navy Endo Breakfast ......................................... Caucus Room

8:00 a.m. to 5:00 p.m.
Registration ..................................................... North Gallery

8:30 a.m. to 5:00 p.m.
Commercial Exhibits ........................................ Regency North

9:00 a.m. to Noon
Scientific Session* ......................................... Convention Hall
AADS — Endodontic Section Meeting* ....................... Capitol Room
Table Clinics .................................................... Regency East

Noon to 2:00 p.m.
Edgar D. Coolidge Memorial Luncheon* ....................... Regency West/South

2:00 p.m. to 4:00 p.m.
Scientific Session* ......................................... Convention Hall

4:00 p.m. to 6:00 p.m.
AAE Annual Meeting ........................................ Capitol Room

6:30 p.m. to 7:30 p.m.
Past Presidents’ Reception ................................... Poolside

7:30 p.m. to 1:00 a.m.
Annual Banquet/Dance ....................................... Regency Ballroom

SUNDAY, May 2, 1976

8:30 a.m. to Noon
AAE Executive Committee Meeting .............................. Congress Room

9:00 a.m. to 10:30 a.m.
Group Practice Meeting ...................................... Caucus Room

9:00 a.m. to 5:00 p.m.
ABE Meeting .................................................... Secretariat Room

9:30 a.m. to Noon
Audio-Visual Presentations ................................ Regency East
Audio-Visual Presentations ................................ Mezzanine Theater

* Indicates sessions being translated
WOMEN’S AUXILIARY OF AAE
CONDENSED PROGRAM
WEDNESDAY, April 28, 1976

10:00 to 5:00
Registration.................................. North Gallery
11:30
Golf Tournament.............................. Diplomat President’s Course
   Buses at main entrance
12:15
Tennis Tournament............................ Diplomat Racket Club
   Buses at main entrance
2:00 to 4:00
Wine ‘n’ Welcome (Terrarium Teach-in)....... Scheherazade Room
4:00
Auxiliary Board Meeting..................... Lower Sky Room
6:00 to 8:00
Fellowship Reception Extraordinaire......... Regency North/West

THURSDAY, April 29, 1976

8:00 to 9:30
Hospitality (Coffee and Danish).............. Scheherazade Room
8:30 to 5:00
Registration.................................. North Gallery
8:45 to 1:00
Seaquarium Sight Sea........................ Buses at main entrance
10:45 to 4:30
Bal/Bay Harbour Bonanza...................... Shuttle bus at main entrance
12:00 to 2:00
Luncheon ‘n’ Culture (Dr. Monasterio)......... Regency West/South
10:30 to midnight
Late Night Hospitality (Coffee and dessert)..... Regency South

FRIDAY, April 30, 1976

8:00 to 9:30
Hospitality (Coffee and Danish).............. Scheherazade Room
9:00 to 1:00
Registration.................................. North Gallery
9:45 to 3:00
Seafari to Patricia Murphy’s Restaurant...... Meet at main entrance
10:30 to midnight
Late Night Hospitality (Coffee and dessert)..... Regency South

SATURDAY, May 1, 1976

9:30 to 11:30
“Sex in ‘76” Breakfast (Dr. Haber)............. Cafe Cristal
12:00 to 2:00
Coolidge Memorial Luncheon (H. Christensen).... Regency West/South
2:00 to 4:00
H.E.L.P Seminar (Dr. Pilling)................ Convention Hall
4:00
Auxiliary Board Meeting..................... Lower Sky Room
6:30 to 7:30
Past Presidents’ Reception.................. Poolside
7:30 to 1:00
Dinner Dance Supreme....................... Regency Ballroom
9:00 to Noon - Convention Hall

SCIENTIFIC SESSION — Moderator: Donald E. Arens, Indianapolis, IN

THE PATHOPHYSIOLOGY OF FACIAL PAIN AND VASCULAR PAIN THAT MIMICS PULPAL PAIN (D76-14A)*

Parker E. Mahan, received his D.D.S. from Emory University in 1955 and his Ph.D. in Physiology from the University of Rochester in 1964. From 1962 until 1971, he taught courses in Head and Neck Physiology and Biochemistry at Emory University School of Dentistry, where he advanced to Professor and Coordinator of Basic Sciences for Dentistry. From 1971 to the present time, Dr. Mahan has been Professor and Chairman of the Department of Basic Dental Sciences at the University of Florida, College of Dentistry. He also serves as a Consultant (Dentist, Physiology) to the U.S. Army Dental Corp and as Central Office Consultant to the Veterans Administration.

Synopsis: In this one hour lecture the detailed anatomy of the pain system in the head and neck will be described. Current theories of pain perception and how these concepts can be used in dental therapy will be presented. The specificity theory, gate control theory and central inhibitory balance theories will be described in order to develop the modern concept on pain perception.

LUXATION OF PRIMARY AND PERMANENT TEETH — DIAGNOSIS AND TREATMENT (S76-15)*

Jens O. Andreasen, Copenhagen, Denmark.

Synopsis: Diagnostic and treatment procedures are described for injuries involving the primary and the permanent dentition. In the primary dentition the focus of interest is the influence of trauma and inflammation upon the permanent tooth germs. Pulpal pathology after traumatic dental injuries is described for different types of luxation injuries.

THE USE OF CALCIUM HYDROXIDE IN ENDODONTIC THERAPY (S76-16)*

Leif Tronstad, Malmo, Sweden

Synopsis: Some 50 years ago calcium hydroxide was introduced in endodontic practice as the biologic root filling material. This was a fiasco because the material was resorbed from the root canal rather rapidly. However, since then one might have received the impression that calcium hydroxide has been recommended and used for almost any purpose in endodontic therapy; for instance as a base material in deep cavities, as a pulp capping agent, as a wound dressing in pulpotomies, and more recently it is again used in root canal treatment. The material has especially been recommended in the treatment of so called problem teeth, i.e. teeth with open apices, internal and external root resorption, root fractures and so on. Is calcium hydroxide really a "wonder drug", or is it what some leading endodontists maintain, "strictly poison"?
LATIN AMERICAN SECTION — Chairman: Jose Oynick, Mexico
Moderator: Enrique Basrani, Argentina

ENDODONTIC PROBLEMS IN MOLARS (S76-17)*
Angel Lasala, Venezuela

ANTI BACTERIAL EFFICACY AND CYTOTOXICITY OF THREE ROOT CANAL SEALERS (S76-18)*
Antonio Rothier, Brasil

CLINICAL AND HISTOLOGICAL EVALUATION OF A NEW MATERIAL FOR RETRO-FILLINGS (S76-19)*
Jose Oynick, Mexico

Noon to 2:00 — Assigned rooms

LUNCHEON WITH LEARNING — Chairman: Stuart Fountain, Greensboro, NC

1. The Giromatic: Fact or Fantasy — Robert E. Cassidy

2. Drug Therapy and the Endodontic Patient — John Corcoran

3. Endodontics and the Irradiated Patient — Frederick Cox

4. Modern Endodontic Corporate Group Practice Facility — A. Dietz, G. Dietz, J. Dylewski, M. Eder and C. Botvinick

5. Treatment of the Wide-Open Apex in Three Dimensions — Roland Duell

6. Contents of the Predoctoral Endodontic Curriculum — Joel Dusky

7. The Relationship of the Endodontist to the Referring Dentist and Other Disciplines — Harold Gerstein

8. Oral Facial Trauma — James Gutmann

9. A Simplified Method of Treatment for Endodontic Perforations — William Harris

10. Clinical and Biologic Evaluation of Sealants in Combination with a Solid Core — Kaare Langeland

11. Replants and Calcium Hydroxide — H. Wayne Mohorn

12. Treatment of the Endo-Perio Lesion — Seymour Oliet

13. Premedication of the Apprehensive Endodontic Patient — Alan Selbst

15. *Esoteric Aspects of Gutta Percha Condensation* — James Steiner

International Section

16. *Research at the U.S. Army Institute of Dental Research* — Carlos del Rio

17 *Treatment of the Gangrenous Pulp and its Periapical Complications* — M. Leticia Shocron
or

*Endodontic Emergencies* — Harold Rappaport

2:00 to 5:00 — Regency East

**ENDODONTIC RESEARCH SEMINAR — NON-GRADUATE STUDENTS**

Moderator: Richard Moodnik, Hempstead, NY

2:00 to 2:25

*A Study of the Relationship of the Mandibular Canal to the Apices of the Mandibular Second Bicuspid, First Molar, and Second Molar in Dried Human Mandibles*

Arthur Panella*, Marwan Abou-Rass, University of Southern California (S76-11)*

Synopsis: The purpose of this study was to investigate the relationship of the mandibular canal to the apices of the mandibular second bicuspid, first molar and second molar, and to attempt to establish a possible set of arithmetical averages of the relationship between these teeth and the mandibular canal. The study was conducted on 50 dried human mandibles which were radiographed, embedded in epoxy resin, and sectioned. Endodontic files were placed in all root canals, and a nylon marker was used to identify the mandibular canal. The sectioned specimens were ground on a surface grinder until the apical foramen was visible. The results indicate a variable yet very close proximity of mandibular canal with these mandibular teeth.

2:25 to 2:50

*Use of Meditative Study for Hypnotic Induction in the Practice of Endodontics* (S76-11)*

Donald Morse, Temple University

Synopsis: Thirty-five patients who were referred for endodontic therapy were used in this study. They were told to relax, close their eyes and repeat silently a simple word (e.g. "flower"). As they were repeating the sound, suggestions were given of numbness spreading from the tips of the toes to the facial area. Next, the patients were told to stop repeating the sound. Deepening was then obtained by the descending elevator method. With most individuals, it was possible to redirect the numbness to the specific tooth being worked on. With others, it was necessary to obtain "glove" anesthesia and then transferral of anesthesia orally. Depending upon the clinical condition and the degree of hypno-analgesia, supplemental local
anesthesia was or was not used. The time interval from eye closure to the completed suggestion of numbness was 7-8 minutes. With most patients, treatment was initiated within 10-15 minutes from the time of eye closure.

2:50 to 3:15

Inhibition of the Corrosive Effect of Sodium Hypochloride on Carbon Steel Endodontic Instruments (S76-11)*
Solomon Sorin, University of Pennsylvania

Synopsis: The corrosive effect of sodium hypochloride on endodontic instruments increased with temperature, previous corrosion and presence of tooth material; and decreased with dilution and repeated use of tooth material. Although 15 out of 17 inhibitors decreased the rate of corrosion and none entirely eliminated corrosion, four inhibitors were sufficiently effective to warrant further investigation.

3:15 to 3:40

A New Method of Canal Irrigation (S76-12)*
Melvin Goldman, Tufts University

Synopsis: Much has been written lately about the efficacy or lack of it, of endodontic irrigating solutions. However, the method of delivery of the solution has been neglected. This paper outlines a new method of delivery of any solution, which is far more efficient than present methods.

3:40 to 4:05

The Sequenced Response of Pulpal, Periapical and Periodontal Tissues to Bacteria (S76-12)*
William E. Dowden, University of Connecticut Health Center

Synopsis: Selected teeth from patients with caries and periodontal disease were evaluated clinically before the teeth were extracted. Following extraction the teeth were histologically prepared, sectioned, and evaluated microscopically. On the basis of hemotoxylin and easin staining, a histopathologic diagnosis was established, selected sections were stained for bacteria, and the results were compared to the foregoing diagnosis and will be presented.

4:05 to 4:25

A Comparison of Intracanal Medications (S76-13)*
Arturo Chavez y Chavez, Guadalajara, Jalisco, Mexico

Synopsis: The project is made up of two studies of different antiseptic drugs that are utilized as intracanal medication between appointments in endodontic therapy. The first study has two aspects: a) On the irritation potential on rabbit’s eye and b) An in vitro study of the bactericidal capacity of the same medicaments. These medicaments are paramonochlorphenol 1%, 2% and 35%; pure cresatin; and a mixture of equal parts of 35% paramonochlorphenol and cresatin. The second study is an in vitro study of the diffusion of three medicaments in the root canal: Cresatin, 35% paramonochlorphenol and a mixture of equal parts of the two.
Process of Resorption of Root Canal Sealers (S76-13)*
Margarita Muruzabal, Buenos Aires, Argentina

Synopsis: The purpose of this presentation is to evaluate degree of resorbability of some root canal sealers in the rat molar. All sealers and pastes studied are resorbable (particles of them were observed in macrophages and foreign body cells). They resorb more rapidly in the periapical area. Within the root canal, the greater the distance of the sealer from the apical foramen, the slower the rate of removal process. AH26, titanium oxide or aluminum oxide specimens, showed a tendency to dispersion. Zinc oxide-eugenol and lead oxide-eugenol specimens exhibited high stability; evidence of dissolution could not be detected. Components of some sealers were transported away from the zone originally applied.

Analysis of the Effect of Edtac and RC-Prep on the Dentin Walls of the Root Canal (S76-13)*
Abraham Abramovich and Fernando Goldberg, Buenos Aires, Argentina

Synopsis: This is an "in vitro" comparative study of the action of Edtac and RC-Prep on the dentin walls of the root canal using scanning electron microscope. The dentin walls treated with Edtac showed a smooth, clean surface, and the diameter of the opening of the dentinal tubules was greater than in the untreated sections. The dentin walls treated with RC-Prep showed similar to the untreated sections.

2:00 to 5:00 (Three rooms)

AUDIO-VISUAL PRESENTATIONS

Chairman: James E. Ainley, Orlando, FL

2:00 to 3:40 — Convention Hall

Human Pulp Response to Operative Dental Procedures
Harold Stanley, University of Florida

Synopsis: This presentation provides an overview of the biological response of the pulp not only to dental caries but also to the effects of cavity preparation and restoration. (Film, courtesy of Dr. Stanley)

3:45 to 5:00 — Convention Hall

The Biology of Pulp Capping Procedures
Harold Stanley, University of Florida

Synopsis: This presentation explains the success and failure in pulp capping procedures. Emphasis is placed on what went wrong regardless of the material utilized. (Film, courtesy of Dr. Stanley)
2:00 to 4:30 — Mezzanine Theater

The Warm Gutta Percha Technique
Herbert Schilder, Boston, MA

Synopsis: The presentation reviews the biologic concepts basic to non-surgical endodontics, demonstrates the technique for cleaning and shaping, and illustrates the vertical condensation of warm gutta percha into the prepared canal. (Film, courtesy of Dr. Frank Trice, University of Texas)

2:00 to 4:30 — Capitol Room

Endodontic Emergency Treatment
Franklin S. Weine, Chicago, IL

Synopsis: This presentation demonstrates the treatment of acute pulpitis or acute pulpitis with apical periodontitis, acute alveolar abscess, the closing of a tooth that has been left open for drainage, the treatment of secondary pericementitis due to over-instrumentation, and surgical repair of a perforation. (Film, courtesy of Dr. Samuel Patterson, Indiana University)

10:30 to Midnight — Regency South

LATE NIGHT HOSPITALITY

9:00 to Noon — Convention Hall

SATURDAY
May 1, 1976

SCIENTIFIC SESSION — Moderator: Edward M. Osetek, Great Lakes, IL

THE PATHOPHYSIOLOGY OF FACIAL PAIN AND VASCULAR PAIN THAT MIMICS PULPAL PAIN (D76-14B)*

Parker Mahan, University of Florida

Synopsis: In this one hour lecture vascular head and neck pain and referred pain involving the teeth and mandible will be described. Case histories will be presented to illustrate the differential diagnosis of head and neck pain.

ENDODONTIC THERAPY: ISSUES AND ANSWERS (S76-20)*

John W. Harrison, Madigan Army Medical Center

Synopsis: "Issues and Answers" will be a discussion of some of the current issues which endodontists find controversial in nature. Many of these issues have recently been resolved through clinical and laboratory research, much of it not yet published. Topics will include specific issues involving canal debridement, instrumentation, irrigation, intracanal medication and temporary restorative materials. The incidence and quantitation of bacteremias induced by specific endodontic proce-
dures will be reported for the first time. Issues pertaining to surgical endodontic therapy will also be discussed.

THE OLD MAN AND THE PULP. A SWAN SONG. (S76-21)*

Birger Nygaard-Ostby, Oslo, Norway

Synopsis: Approximately 1000 roots, treated endodontically by the lecturer, have been checked after observation periods ranging from four to 40 years, the mean being around 20 years. Data from the treatment charts and from the clinical and radiographic follow-up examination have been computerized, and a survey of the results will be presented, accompanied by histologic control of some of the roots, which had to be extracted because of caries, external resorption and/or fracture.

9:00 to Noon - Capitol Room

AMERICAN ASSOCIATION OF DENTAL SCHOOLS (ENDODONTIC SECTION)

ENDODONTICS: ASSESSMENT OF THE BASIC PRINCIPLES (D76-22A&B)

Moderator: A.E. Skidmore, West Virginia University

Evaluation of Basic Principles of Clinical Endodontics
Herbert Schilder, Boston University

Evaluation of the Delivery of Endodontic Services
Jay Friedman, Los Angeles, CA

Evaluation of Endodontic Education
Marwan Abou-Rass, University of Southern California

Evaluation of the Quality of Endodontic Research
Kaare Langeland, University of Connecticut

Evaluation of the Biological Principles of Endodontic Practice
Calvin Torneck, University of Toronto

Panel Discussion

9:00 to Noon Regency East

TABLE CLINICS- Chairman: Ben Brown, Raleigh, NC

1. Maximum-Minimum and Average Tooth Length Table. An Aid in Endodontics. Guillermo Mora-Roja, San Jose, Costa Rica

2. A Scanning Electron Microscope Examination of the Walls of Small Canals After Chemomechanical Preparation. Oscar Bolanos, University of Minnesota
3. Effects of Steroids on Pulpal Oxygen Consumption and Blood Flow
   Romulo DeLeon, University of Minnesota

4. Sealability Study of Different Retro-filling Materials in Vivo
   Phillippe Delivanis,

5. Photography in Endodontics
   Greg Chadwick and David Lukosik, University of North Carolina

6. Are You Going Soft?
   Thomas Butler and John Olmstead, University of North Carolina

7. Formacresol: Pros and Cons
   Donald Kleier and Keith Mullins, University of Kentucky

8. Treatment Plan for sick Radiographs
   David Maddox, Medical College of Georgia

9. Operation of the Sono-Explorer
   William Meyers, VA Hospital, Miami, FL

10. Endodontic Pitfalls - The Missed Extra Canal
    Elliot Goldberg, Gary Ries and Lorne Chapnick, Tufts University

11. Tid-Bits
    John Hartness, Rocky Mount, NC

12. Fiber Optics in Endodontics
    Thomas McDonald, Emory University

13. Thermomechanically Softened Gutta Percha Technique Using a Cavitron
    Alfonso Moreno, Monterey, Mexico

14. Atraumatic Tooth Stabilization
    Eric Hovland, Medical College of Virginia

15. The Application of Clinical Radionuclide Imaging in an Experimental
    Evaluation of Endodontic Procedures.
    Daniel Garcia, Conrad Jungmann and Thomas Sullivan, Warwick, R.I.

16. A Working Experimental Model to Implant Materials into Laboratory
    Animals and a Histological Comparison of Materials
    Jack Levi, Teaneck, NJ

17. Precision Radiographs Duplication
    Manuel I. Weisman, Augusta, Ga.
Noon to 2:00 - Regency West/South

EDGAR D. COOLIDGE MEMORIAL LUNCHEON

Speaker: Hal M. Christensen, Director ADA Washington office
"Current National Legislation as it Affects Dentistry" (S76-23)*

2:00 to 4:00 - Convention Hall

SCIENTIFIC SESSION

PSYCHOLOGICAL ASPECTS OF THE DENTAL PATIENT *

Loran F. Pilling is at present a psychiatrist with the Minneapolis Clinic of Psychiatry and Neurology. He is the Director of the Minneapolis Pain Clinic as well as the Metropolitan Pain Rehabilitation Center. Prior to joining the Minneapolis Clinic he was with the Mayo Clinic for 11 years, first as a resident in internal medicine and psychiatry and later as a Staff Psychiatrist. Dr. Pilling has the degrees of Bachelor of Science, Master of Science in Psychiatry and Doctor of Medicine. He is certified as a specialist in psychiatry by the American Board of Psychiatry and Neurology; is an Associate Professor at the University of Minnesota and a Fellow of the American Psychiatric Association.

Synopsis: The practices of dentistry and psychiatry have taken place in opposite corners of the medical community and should be more closely united for better care of the patient. For the dentist to be more help to his patient, he must understand the emotional problems his patient is confronted with. His approach to the patient or the procedures he is considering may be altered depending upon the patient’s emotional state. This state frequently varies from anxiety to depression. Symptoms presented to a dentist may be produced by emotional problems through the conversion hysteric process, hypochondriasis, or paranoid delusions.

Pain, a frequent symptom in the practice of dentistry or psychiatry, is the most difficult symptom for a doctor to deal with. It is the most difficult because of its subjective nature and also because its etiology may be either organic or phychoogenic. A discussion of the pain problem and its effect on the patient and on the doctor is most appropriate in a symposium such as this. Last, but not least, a look at ourselves and our own needs will make our care of our patients better. Doctors in all fields sometimes have the problem of putting their own needs ahead of the patient’s needs. When this occurs, the patient suffers. Whatever we can do to recognize our own “hang-ups” will help us to be better therapists.

4:00 to 6:00 — Capitol Room

ANNUAL BUSINESS MEETING
SATURDAY
May 1, 1976

6:30 to 7:30 - Poolside or Convention Hall A&B

PAST PRESIDENTS' RECEPTION

7:30 to 1:00 A.M. - Regency Ballroom

PRESIDENTS' BANQUET

Special salute to Bicentennial Celebration
Entertainment by the New Direction Singers
Dancing to the music of the Jerry Marshall Orchestra

BICENTENNIAL TRIBUTE

At the banquet Saturday evening, a special film entitled, America the Beautiful, will be presented. Produced for, and made available to us by the American Society of Association Executives, this seven-minute three-screen multi-media presentation is a portion of a larger production called "One Out of Many." The theme is the English translation of our National Motto "E Pluribus Unum." It can be applied not only to the nation, but also to the composition and nature of our association. In other words, one organization made up of many members but unified for a common purpose. "One Out of Many" received the award for excellence at the International Film Festival in 1975.

IN MEMORIAM

This meeting is dedicated to the memory of Dr. Gerald I. Wernick whose contributions to endodontics were many, including his serving as General Arrangements Chairman of this thirty-third Annual Session. He was suddenly taken from us April 9, 1976. May his achievements serve as a lasting inspiration to us all.
9:00 to 11:30 (Two Rooms)

AUDIO VISUAL PRESENTATIONS- Chairman: James Ainley

9:00 to 11:30 - Regency East

Endodontic Surgery
Harold Gerstein, Chicago, Il

Synopsis: This presentation emphasizes thorough diagnosis, use of proper armamentarium, and good surgical technique in performing endodontic therapy. A surgical procedure is demonstrated involving and apicoectomy both on an initially affected tooth and on a tooth upon which root canal therapy has failed. (Film, courtesy of Dr. Samuel Patterson, Indiana University)

9:00 to 11:00 - Mezzanine Theater

Endodontic Therapy and Endodontic Implant
Alfred L. Frank, Los Angeles, CA

Synopsis: This presentation demonstrates therapy for the divergent pulpless tooth by continued apical development. The endodontic implant procedure demonstrates the considerations for the indications and contraindications, and the use of a standardized instrumentarium in integrating this procedure with sound endodontic principles. (Film, courtesy of Dr. Marshall Smulson, Loyola University)

11:00 to 11:45 — Mezzanine Theater

A Simplified Technique of Endodontic Therapy in One Visit
Helio de Frietas e Silva, Brasil

Synopsis: A simplified one-sitting root canal filling technique employing a zinc-oxide base paste filling material. Post treatment evaluation over an extensive period indicates a comparable high success rate.
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Rinn Corporation 1212 Abbott Drive Elgin, Ill. 60120
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Star Dental Mfg. Co., Inc. A Syntex Co. Ford Bridge Road Conshohocken, PA. 19428
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Union Broach Co. 36-40 37th St. Long Island City, N.Y. 11101
Unitek Corp. 2724 S. Peck Rd. Monrovia, CA 91016

In addition to the clinicians, moderators and speakers appearing on our program, we wish to acknowledge and extend our sincere thanks to the following:

AAE Central Office personnel American Society of Assn. Executives
Art Unlimited Signs Crestline Co., Inc.
Exhibitors
Kwik Kopy of Buckhead, Atlanta

Metro Audio Visual of Atlanta Murray Convention Service Contractors
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Without their help, this meeting would not have been possible.
AAE Central Office
P.O. Box 11728, Atlanta, Georgia 30305
Phone: (404) 237-5164
Mrs. Elenore L. Baker, executive director

34th Annual Meeting
April 13 — 17, 1977
Hyatt Regency Hotel
Houston, Texas

35th Annual Meeting
April 12 — 16, 1978
MGM Grand Hotel
Las Vegas, Nevada

36th Annual Meeting
April 25 — 29, 1979
Peachtree Center Plaza Hotel
Atlanta, Georgia

37th Annual Meeting
April 16 — 20, 1980
Century Plaza Hotel
Los Angeles, California