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**The
American Association
of
Endodontists
Presents the**

**35th
Annual
Scientific
Session**

at

Las Vegas, Nevada

April 12-16, 1978

MGM Grand Hotel

Las Vegas, Nevada



Program Chairman

"WELCOME"

The program committee began work on the Las Vegas Annual Session two years ago with the purpose of providing a balanced educational and social experience. Your days, evenings, and very early mornings will be full of science and merriment.

Our intent is to provide a variety of quality presentations: from the neutrophil to the nerve, from molecular biology to practice management, from pulpal pain to endodontic technique, and from business meetings to luncheons and parties.

This year's program will have an international component thanks to David Prensky and Warren Wakai.

The people principally responsible for the organization of our Las Vegas meeting are Dick Burns, Joe Maggio, and Jerry Dietz. The four of us are grateful to the program and general arrangement committee members who have contributed their energies and expertise.

Welcome to the 35th Annual Session of the A.A.E. and welcome to Las Vegas! Have a Grand time!

Daniel Green
Program Chairman





President

American Association of Endodontists

I bid you welcome to Las Vegas and the Thirty-Fifth Annual Session of The American Association of Endodontists. You will be part of an exciting convention in an exciting city.

The Program Committee has arranged an all-star cast of talent for The Symposium, The Continuing Education courses, and the clinical and scientific sessions. The Local Arrangement committee has created social functions which will further the camaraderie distinguishing our vital organization.

No gambles have been taken in the planning, and surely all of your activities will result in "winners."

I thank you for coming. I hope that your greatest expectations are fulfilled.

George A. Zurkow, D.D.S.
President





General Arrangements

This week the dazzle and glitter of the Fun Capitol of the World is being enhanced by the brightest stars of Endodontics.

In addition, the world's authorities in medicine and dentistry and the leaders of our national organization are featured at the 35th Annual Session of the American Association of Endodontists.

The program committee has promised that you will enjoy the fascination of learning and the excitement of new ideas.

It has been my privilege to work with the finest group of committee people and staff ever assembled. If you see somebody with a ribbon, stop him and say thanks for putting on the greatest session the AAE has ever had.

Dick Burns
Chairman, General Arrangements





PROGRAM

Daniel B. Green, chairman
Joseph D. Maggio,
co-chairman

Commercial exhibits	Howard Martin, chairman Mrs. D. Broach Thurston, manager
Educational resources	Joel Dunsky
General interest clinics	Bernard Grothaus
International forum	Benjamin Schein
Luncheon with the Experts	Marshall England
Printed program	Richard C. Burns
Research seminar	Melvin Goldman
Table clinics	Steven Sanders

GENERAL ARRANGEMENTS

Richard C. Burns, chairman

Audio-visual equipment	Noah Chivian
Banquet	Gerald Dietz
Hosts	Ronald Borer
Monitors	James Kloss
Registration	David Moore
	Irene Elliott, assistant
Signs	William Stiefel
Special events	Jan Levy
1979 Chairman	Lester Breen

SPECIAL CONTINUING EDUCATION PROGRAM

Symposium on Infection	James Gutmann, chairman
Participation Courses	R. Denby Lewis, chairman

WOMEN'S AUXILIARY

Program and arrangements
Mrs. Richard Burns (Solie)

Tennis — Mrs. John Dylewski (Shirley)
Hospitality — Mrs. Fred Widerman (Judie)
Lecture — Mrs. Stephen Cohen (Sandy)
 Mrs. James Kloss (Carol)
Brunch — Mrs. Gerald Dietz (Fran)





**The American
Board of Endodontics**

1978
Melvin Goldman
Thomas Mullaney
Calvin D. Torneck, pres.

1979
Dudley H. Glick
Richard M. Moodnik
Irving J. Naidorf, secy.

1980
Gerald M. Cathey
Seymour Oliet
Marshall H. Smulson

**Trustees of The
Endowment and Memorial Foundation**

1978
Harold H. Epstein
Leo Grudin, secy.
George C. Israel

1979
Lester M. Breen
Stephen F. Schwartz, chm.
Walter Soltanoff

1980
Donald E. Arens
H. David Prensky
Warren T. Wakai
Ex Officio: Henry J. Van Hassel
Ex Officio: Irving J. Naidorf

Past Presidents

*W. Clyde Davis	'43	*Paul P. Sherwood	'60
*Ralph F. Sommer	'44	Glenn R. Brooks	'61
Robert G. Kesel	'45	Vincent B. Milas	'62
*E. G. Van Valey	'46	James H. Sherard Jr.	'63
Maynard K. Hine	'47	J. B. Freedland	'64
Louis I. Grossman	'48	Henry S. Schmidt	'65
*Elmer A. Jasper	'49	John I. Ingle	'66
*Raymond L. Girardot	'50	Edwin C. Van Valey	'67
*George G. Sharp	'51	Samuel S Patterson	'68
F. D. Ostrander	'52	Warren J. Hedman	'69
L. A. Lucas	'53	John F. Bucher	'70
N. Weir Burkman	'54	Dudley H. Glick	'71
Harry J. Healey	'55	I. B. Bender	'72
John R. Pear	'56	Charles A. Scott Jr.	'73
George C. Hare	'57	Alfred L. Frank	'74
George G. Stewart	'58	Robert A. Uchin	'75
J. Henry Kaiser	'59	Frank B. Trice	'76

Honorary Members

Mary C. Crowley	Walter Hess
Sir E. Wilfred Fish	Maynard K. Hine
Louis I. Grossman	Maury Massler
Harry J. Healey	Harold Stanley

*deceased





**Officers of The
American Association of Endodontists**



George A. Zurkow
President



Harry Blechman
President Elect



Paul E. Zeigler
Vice President



Henry J. Van Hassel
Secretary



Edward M. Osetek
Treasurer
1978



Daniel B. Green
Editor
1979

Charles J. Cunningham
Gerald C. Dietz
W. Paul Radman

Gerald W. Harrington
John W. Harrison
Richard E. Schmidt

1980

Richard C. Burns
Arthur C. McFeaters Jr.
B. Harvey Wiener

Immediate Past President: Frank B. Trice
Student Representative: Clifton A. Grayer Jr.
Executive Director: Elenore L. Baker



**CHARTER MEMBERS
OF AMERICAN
ASSOCIATION OF ENDODONTISTS**

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

* Deceased





GENERAL INFORMATION

AAE Headquarters Office is located in the Ritz Plaza Room on the lobby floor. The office will be open daily from 8:30 until 5:00 and is staffed by personnel from the central office—Betty Brown, Irene Elliott and Carol Lee. **Badges** are color-coded as follows: new members—yellow; students—peach; guests—blue; and all others—white. Badges must be worn at all official AAE functions and preferably on the right side.

Commercial Exhibits are located in the Capitol Room opening off the registration area. Please visit the exhibits as often, and whenever possible during these hours:

Wednesday: 2:00 p.m. - 5:00 p.m.

Thursday: 9:00 a.m. - 5:00 p.m.

Friday: 9:00 a.m. - 5:00 p.m.

Saturday: 9:00 a.m. - Noon

Convention Cassettes. Eastern Audio Associates, AAE's official recording company, will record most of the sessions and major speeches. Cassettes 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 shown in this program on page 35. Use this number when ordering cassettes.

Drink Ducats will be sold at the registration desk as well as at the Fellowship Reception and the Saturday night party. You may prefer purchasing them in advance at the registration desk to avoid having to stand in long lines at the parties. *We urge you to do so!* Prices are: mixed drinks — \$2.25; beer or wine — \$1.50; and soft drinks — \$1.00. These prices include tax and gratuities.



Translations. All scientific sessions held in the Adelphi Room are being translated simultaneously into Japanese. **About smoking.** For the comfort of non-smoking colleagues, all smokers are requested to sit only in the rear of the meeting rooms.





Hallelujah Hollywood is MGM's spectacular review which most visitors to Las Vegas wish to see. We have arranged for a block of 300 seats at the 9:00 and 300 seats at the 12:00 shows, Saturday, April 15th. Tickets were offered for sale with your meeting registration. Any tickets left over will be sold at the registration desk until the 600 are gone. Please—if you purchased in advance, turn in the voucher given you for a "line pass" as soon as possible and state your preference for either the 9:00 or the midnight show. Seating is at 8:00 for the early show, and 11:00 for the late show.

Le Grand Spectacle is the AAE Saturday night gala. Instead of the traditional dinner dance there will be a gourmet buffet with open seating. Vouchers must be turned in for your tickets, not for seating reservations, but for an accurate count to insure enough food for everyone. Please redeem your tickets at the registration desk before Friday morning at 11:00. For those of you planning to attend the 9:00 show of Hallelujah Hollywood, we suggest that you arrive early because seating for the show is at 8:00.





EDUCATIONAL RESOURCES

Chairman: Joel L. Dunsky, D.D.S.

Co-Chairman: Harold E. Goodis, D.D.S.

Saturday, April 15—2:00 - 3:30

Sunday, April 16—9:00 - 12:00

Because the use of audio-visual teaching materials is increasing in scope and quality, the planning committee of the 1978 AAE meeting felt a display of these materials would be beneficial to those association members involved in teaching. The Educational Resources Committee has selected representative types of audio-visual material for display. Among those to be presented are video-tape, movie film, slide-tape, slide, programmed text and teaching manuals.

Participants

1. Dr. William R. Adams
Indiana University
2. Dr. Robert E. Averbach
University of Colorado
3. Dr. Ronald F. Borer
University of the Pacific
4. Dr. Seymour Friedman
S.U.N.Y. at Stony Brook
5. Dr. Russell A. Grandich
University of Texas at San Antonio
6. Dr. Frederick H. Kahn
New York University
7. Dr. Lanny V. Kampfe
University of Iowa
8. Dr. Richard M. Madden
University of Texas at Houston
9. Dr. R. W. Mendel
University of Louisville
10. Dr. James B. Roane
Oklahoma University
11. Dr. Gary Taylor
Loyola University
12. Dr. Joseph Tenca
Tufts University
13. Drs. R. E. Walton and R. L. Ashmore
Medical College of Georgia
14. Dr. Melvin J. Weissburg
Medical College of Virginia
15. Dr. Steven A. Wolf
Medical College of South Carolina





8:45 to 9:00 OPENING SESSION—Adelphi

President, George A. Zurkow, D.D.S.

9:00 to 12:00 SCIENTIFIC SESSION I

**MECHANISMS OF ORAL DISEASE—
HAROLD C. SLAVKIN, D.D.S.**

Moderator, Calvin D. Torneck, D.D.S.

Dr. Slavkin has held appointments at the University of Southern California in "Craniofacial Biology" and "Cellular and Molecular Biology," as well and serves as Chairman of the Department of Biochemistry and Nutrition.

Dr. Slavkin has published over fifty scientific papers, edited four books, and is presently completing a textbook. All this has been accomplished while he administers an NIH project: "Oral-Facial-Cranial Developmental Biology Problems," and serves as an editorial advisor on the Journal of Dental Research and many other scientific publications.

Synopsis: The mechanism(s) of relative resistance and/or susceptibility to disease in man is an extremely significant and fascinating set of problems. Biomedical research, in particular cell-mediated immune processes, is making rapid advances in this complex area. Recent developments in the field of immunogenetics related to the Major Histocompatibility Complex (i.e. HL-A in Man and H-2 in mice) now provide intriguing and important associations related to birth defects and chronic infectious diseases. This presentation will pursue a discussion based upon recent animal and human studies which explore the basis of host responses in oral disease.

9:00 - 12:00 GENERAL INTEREST CLINIC I

Rialto 1 and 2

Moderator—Bernard Grothaus, D.D.S.

9:00 to 10:00

Title: Veterinary Dentistry—six years in the care of animals—William B. Kemp, D.D.S.

Description:

A pictorial essay of the oral care of both domestic





Thursday, April 13, 1978

and exotic animals which includes endodontic therapy and the management of trauma and tumors.

10:00 to 10:30

Title: "Safe and Sound": a simple method of reinforcing the endodontically treated tooth—Henry Kahn, D.D.S.

Description:

Special care is needed when restoring the endodontically treated tooth and this presentation will show a safe, simple, efficient method.

1. How to make dowel room
2. The use of standardized dowels
3. How to make the core portion with a new core form
4. A trouble-free method of setting a dowel

10:30 to 11:15

Title: Current Status of Endodontic Surgery—Howard S. Seldon, D.D.S.

Description:

The presentation will deal with the total sequential management of a typical surgical case, illustrating health survey, diagnosis, preoperative instructions, sedation, anesthesia, soft and hard tissue care, apical amalgam placement, bone wax hemostasis, postoperative instructions, and follow-up patient care.

11:15 to 12:00

Title: The Obliteration of the Root Canal Utilizing Injection Molded Thermoplasticized Gutta Percha—Jay Marlin, D.D.S. and Alvin Arlen Krakow, D.D.S.

Description:

A method for obturating the root canal space in all dimensions by injecting thermoplasticized gutta percha has been developed which is now clinically feasible. In vitro studies have shown the technique to be at least comparable to those filling techniques presently in use. Clinical studies are currently being conducted.





Thursday, April 13, 1978

2:00 to 5:00 SCIENTIFIC SESSION II

Adelphi

**PROTECTIVE AND DESTRUCTIVE IMMUNE
RESPONSES IN INFECTIOUS DENTAL DISEASES—
ROBERT J. GENCO, D.D.S., Ph.D.**

Moderator: Samuel Seltzer, D.D.S.

Dr. Genco is a practicing Periodontist with a Ph.D. in Microbiology and Immunology.

He is a professor of Oral Biology and Periodontology and Director of Graduate Periodontology, State University of New York at Buffalo Dental School.

Dr. Genco was President of the Periodontal Research Group of the AADR last year and has received the Basic Research in Oral Science Award from the IADR. He serves on the Editorial Board of *Infection and Immunity*, *Immunochemistry*, *Journal of Dental Research* and *Journal of Periodontal Research* and has authored over fifty publications.

Synopsis

Dr. Genco will review immunobiology to provide a basis for protective and destructive responses occurring in infectious diseases. Many of these phenomena have importance in understanding caries and periodontal disease. There are major host immune response factors that affect the course of these diseases and may even explain why some pulpal or periapical lesions do not respond to therapy.

2:00 to 5:00

PRACTICE MANAGEMENT SEMINAR

Rialto 1 and 2

**APPLICATION OF AN ENDODONTIC COMPUTER
PROGRAM FOR PRACTICE MANAGEMENT—
STEPHEN COHEN—D.D.S.**

MODERATOR—GERALD DIETZ

Dr. Cohen is presently chairman of the AAE Membership Committee and chairman of the Endodontic Department of the University of the Pacific School of Dentistry. Dr. Cohen is co-editor of the current text *Pathways of the Pulp*.





Thursday, April 13, 1978

STEPHEN COHEN, D.D.S.

A newly designed endodontic computer program will be illustrated with slides and live demonstration. This program can perform many functions, including: Billing, preparation of insurance forms, analysis of group practice income, complete profile of referral base, preparation and analysis of "aged" accounts receivable.

2:00 to 5:00

**ENDODONTIC RESEARCH SEMINAR I
NON-GRADUATE**

MAYER ROOM

MODERATOR: DR. MELVIN GOLDMAN

2:00 - 2:25 Dr. Fernando Goldberg, "Relation Between Corroded Silver Points and Endodontic Failures," Buenos Aires, Argentina.

Resume:

"Relation between corroded silver points and endodontic failures"—A scanning electron microscope and electron probe microanalysis study.

Summary

Corrosion possibility is in direct relationship with the quality of the endodontic filling technique. The presence or absence of corrosion in the silver cones within the root canal would not be a determining factor for endodontic success or failure.

2:25 - 2:50 Benjamin Schein, D.D.S., M.Sc.D.,* Dr. Miguel Angel Tames, "Antibacterial Activity of Dental Calcium Hydroxide Preparations," University of Mexico.

Resumes:

Five Calcium Hydroxide dental preparations were studied to see their antibacterial activity against five different organisms; findings showed that Ca (Oh), is antibacterial if incorporated in a water or methylcellulose base.





Thursday, April 13, 1978

- 2:50 - 3:15** E. S. Akpata, M.D.Sc., F.D.S., "Sterilization of the Root Canal—a Myth or a Reality?" University of Lagos, Nigeria.
Resume:
Negative root canal cultures did not necessarily indicate sterility of the root canal.
- 3:15 - 3:40** Dr. Solomon Sorin,* and Dr. Seymour Oliet, "Reversion of the Effects of Ageing on Gutta-Percha Cones," University of Pennsylvania.
Resume:
Oxidation of the gutta percha cones does not appear to be the cause of the observed property changes in aged gutta percha. Differential Scanning Calorimetry tests indicate that ageing is caused by a change in crystallization which may be reversed by heat treatment.
- 3:40 - 4:05** Dr. Seymour Oliet,* and Dr. Solomon Sorin, "Inhibition and Utilization of the Corrosivity of Carbon Steel Endodontic Instruments," University of Pennsylvania.
Resume:
In vitro tests have shown that (1) corrosion of carbon steel instruments by 5% sodium hypochlorite solution can be totally inhibited and (2) patency of root canals blocked by broken carbon steel instruments may be regained by irrigation with liquids of greater corrosivity than sodium hypochlorite.
- 4:05 - 4:30** Sheldon S. Berkman, A.B., D.M.D.*; Braz Macedo, D.D.S., M.S., Ph.D.; Francis E. Shovlin, D.D.S., M.S., "Reaction of Rat Periapical Tissue to Silicone Root Canal Fillings," College of Medicine and Dentistry of New Jersey.
Resume:
The purpose of this study was to compare the periapical tissue response in teeth filled with either Grossman's cement or a medical grade silicone. Where optimum occlusal seals occurred, the silicone appeared non-resorbable and less irritating to the periapical tissues than Grossman's cement.





Thursday, April 13, 1978

4:30 - 5:00—Robert M. Block, D.D.S., "Immunologic Response to Dog Pulp Tissue Altered by Endodontic Sealers via the Root Canal," Virginia Commonwealth University.

Resume:

Hemagglutination and lymphocyte stimulation assays demonstrated that 8 endodontic sealers were capable of antigenically altering pulp tissue.





Friday, April 14, 1978

**9:00 to 12:00 SCIENTIFIC SESSION III
Adelphi Room**

**DIFFERENTIAL DIAGNOSIS OF PERIAPICAL
PATHOLOGY—RICHARD P. ELZAY, D.D.S., M.S.D.
NORMAN K. WOOD, D.D.S., MS., Ph.D.**

Moderator: Milton Siskin, D.D.S.

Dr. Elzay is a past president of the American Academy of Oral Pathology, Professor and Chairman of Oral Pathology, Medical College of Virginia. He received his D.D.S. and his M.S.D. from Indiana University and is a Diplomate of the American Board of Oral Pathology. Dr. Elzay is listed in Who's Who, American Man in Science, Personalities of the South and Community Leaders in America.

Dr. Richard Elzay has authored over forty scientific articles and has received recognition as an outstanding teacher.

Dr. Norman Wood is Professor of Oral Diagnosis and Oral Surgery and Chairman of the Department of Oral Diagnosis, Loyola University Dental School.

Dr. Wood has Board Certification from both the American Board of Oral Surgery and the American Board of Oral Pathology.

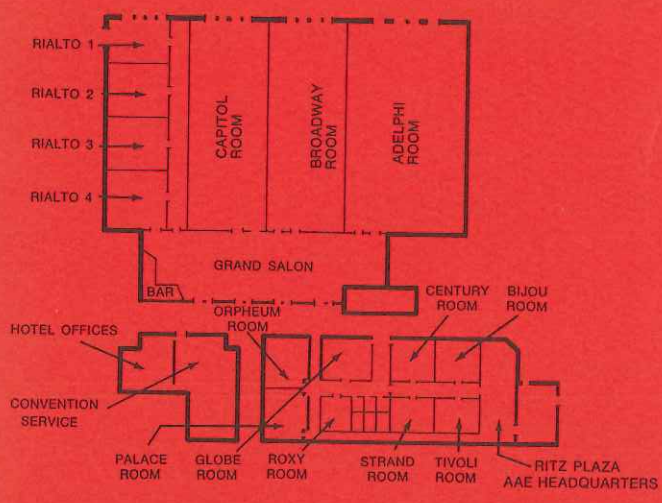
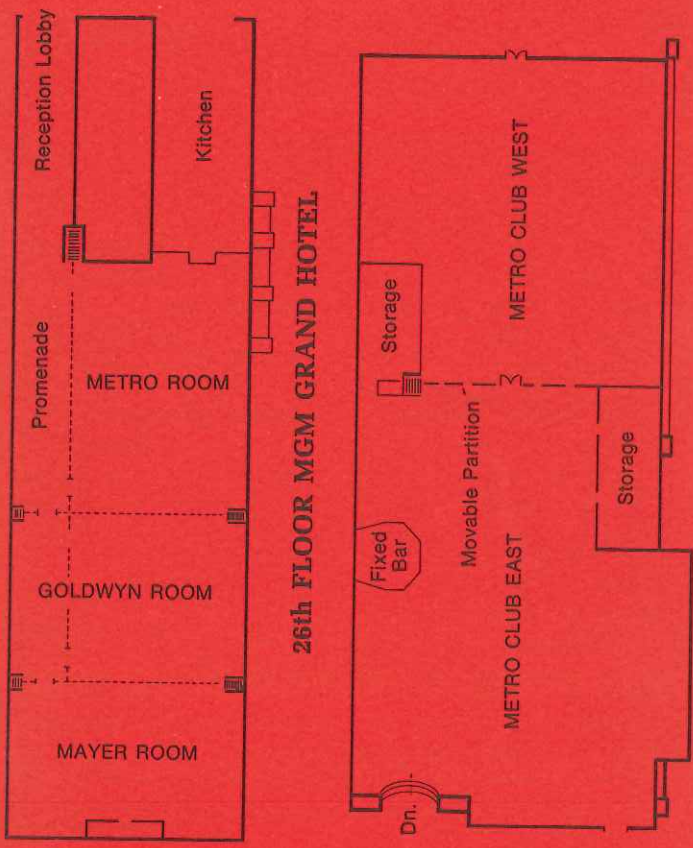
Although he has authored many scientific papers, he is best known for his textbook *Differential Diagnosis of Oral Lesions*.

Synopsis

Differentiating features of periapical lesions will be discussed in detail. For clarity, the lesions will be grouped and discussed according to their radiographic appearance: (1) completely radiolucent, (2) mixed (radiolucent and radiopaque), or (3) completely radiopaque. The lesions in each category will be ranked and discussed according to frequency of occurrence. Dr. Wood will discuss differentiating historical, clinical and radiographic features of the lesions. In turn, Dr. Elzay will discuss the diagnostic, microscopic features as well as the management of each lesion. Rare lesions will be introduced near the close of the presentation.



26th FLOOR MGM GRAND HOTEL



LOBBY LEVEL MGM GRAND HOTEL

PROGRAM

TUESDAY, APRIL 11, 1978

9:00 a.m. to 5:00 p.m.

ABE Oral Examinations Check sign for Suite No. E & M Foundation Trustees

Meeting Penthouse Suite (26th floor)

AAE Executive Committee Meeting . . . Directors Room

WEDNESDAY, APRIL 12, 1978

8:00 a.m. to 7:00 p.m.

Registration Grand Salon

9:00 a.m. to 5:00 p.m.

ABE Oral Examinations Check sign for Suite No.

Symposium on Infection Mayer Room

Continuing Ed. Course—Schilder Palace Room

Continuing Ed. Course—Sherard Globe Room

Continuing Ed. Course—Weine Orpheum Room

2:00 pm to 5:00 p.m.

Commercial Exhibits Capitol Room

6:00 p.m. to 8:00 p.m.

Fellowship Reception Metro/Goldwyn Room

THURSDAY, APRIL 13, 1978

8:00 a.m. to 5:00 p.m.

Registration Grand Salon

8:45 a.m. to 9:00 a.m.

Opening Session Adelphi Room

9:00 a.m. to 5:00 p.m.

Commercial Exhibits Capitol Room

9:00 a.m. to Noon

Scientific Session I Adelphi Room

General Interest Clinics I Rialto Rooms 1 & 2

Noon to 2:00 p.m.

Committee Meetings

(pre-scheduled only) Metro Room

Endodontic Site Evaluators

Meeting Tivoli Room

2:00 p.m. to 5:00 p.m.

Scientific Session II Adelphi Room

Endodontic Research Seminar I Mayer Room

Practice Management Seminar Rialto Rooms 1 & 2

5:00 p.m. to 5:45 p.m.

AADS-Endodontic Section Meeting . . . Rialto Room 3

FRIDAY, APRIL 14, 1978

7:30 a.m. to 9:00 a.m.

New Member/Grad.

Student Breakfast Metro Club

8:00 a.m. to 5:00 p.m.

Registration Grand Salon

9:00 a.m. to 5:00 p.m.

Commercial Exhibits Capitol Room

AT A GLANCE

9:00 a.m. to Noon

Scientific Session III. Adelphi Room

Endodontic Research

Seminar II. Rialto Rooms 1 & 2

Noon to 2:00 p.m.

Luncheon with the Experts. See ticket for assigned rooms

2:00 to 5:00 p.m.

Endodontic Research

Seminar III Rialto Rooms 1 & 2

International Forum Adelphi Room

Table Clinics. Metro Room

Evening Hours

Army Endo Party. Strand/Tivoli Rooms

Harvard/Forsyth Univ. Alumni. Bijou Room

Univ. of Boston Alumni Mayer Room

Univ. of Michigan Alumni. Century Room

Univ. of Pennsylvania Alumni Goldwyn Room

Univ. of Washington Alumni Globe Room

SATURDAY, APRIL 15, 1978

7:00 a.m. to 8:45 a.m.

Past Presidents' Breakfast. President's Suite

Harry Healey Study Club Breakfast Globe Room

7:30 a.m. to 8:45 a.m.

Navy Endo Breakfast. Bijou Room

9:00 a.m. to Noon

Scientific Session IV. Adelphi Room

General Interest Clinics II. Rialto Rooms 1 & 2

Noon to 2:00 p.m.

Edgar D. Coolidge Memorial

Luncheon Metro/Goldwyn Room

2:00 p.m. to 3:30 p.m.

Education Resources Broadway Room

3:30 p.m. -

Annual General Assembly Meeting. Adelphi Room

6:00 p.m. to 9:00 p.m.

Le Grand Spectacle MGM Ballroom

8:00 p.m.

Seating for 9:00 showing of Hallelujah Hollywood

11:00 p.m.

Seating for Midnight showing of Hallelujah Hollywood

SUNDAY, APRIL 16, 1978

7:00 a.m. to 9:00 p.m.

Boston Univ. Alumni Breakfast. Globe Room

9:00 a.m. to Noon

Education Resources Broadway Room

Executive Committee Meeting. Directors Room

WOMEN'S AUXILIARY OF AAE CONDENSED PROGRAM

WEDNESDAY, APRIL 12, 1978

- 8:00 a.m. to 5:00 p.m.**
Registration Grand Salon
- 11:00 a.m. -**
Tennis Tournament.....MGM Tennis Courts
- 2:00 p.m. to 4:00 p.m.**
Welcome Reception
Board Meeting to Follow.....Mrs. Lynds' Suite
- 6:00 p.m. to 8:00 p.m.**
AAE Fellowship Reception... Metro/Goldwyn Room

THURSDAY, APRIL 13, 1978

- 8:00 a.m. to 5:00 p.m.**
Registration Grand Salon
- 10:30 a.m.**
Las Vegas Tour.....Buses at tour entrance

FRIDAY, APRIL 14, 1978

- 8:00 a.m. to 5:00 p.m.**
Registration Grand Salon
- 9:00 a.m. to Noon**
Role of the Non-Practicing Partner.....Mayer Room
- 2:00 p.m. to 3:00 p.m.**
Gambling SeminarMayer Room

SATURDAY, APRIL 15, 1978

- 8:00 a.m. to Noon**
Registration Grand Salon
- 11:00 a.m.**
Champagne Brunch/Business Meeting... Grand Salon
Lecture on Antique Collectables
and Junque Metro Club
- 2:00 p.m.**
Incoming Board MeetingMrs. Lynds' Suite
- 6:00 p.m. to 9:00 p.m.**
Le Grand SpectacleMGM Ballroom

Officers

President	Mrs. Charles W. Lynds (Bea)
Honorary President	Mrs. John R. Pear (Lillian)
President-Elect	Mrs. Harvey B. Wiener (Marilyn)
Vice-President	Mrs. Norman Carrico (Paula)
Secretary	Mrs. Robert S. Mullaney (Dana)
Treasurer	Mrs. Harold E. Goodis (Joan)
Parliamentarian	Mrs. James L. Kloss (Carol)
Editor	Mrs. John C. Mills (Helen)



FRIDAY, APRIL 14, 1978

9:00 to 12:00

GRADUATE RESEARCH SEMINAR

Rialto 1 and 2

MODERATOR: DR. MELVIN GOLDMAN

9:00 - 9:30 Thomas A. Levy, D.D.S., "Mast Cell and Its Involvement in the Dental Granuloma," Temple University.

Resume:

Mast Cells have been implicated in immediate hypersensitivity and inflammation. The presence of Mast Cells in periapical granulomas was found and a correlation to patient symptomatology was compiled.

9:30 - 10:00 Gregory T. Isermann, D.D.S.,* Edward J. Kaminski, and William H. Clem, "The Effect of Bacterial Contamination and Capping in Minimally Exposed Pulp in the Dog," Northwestern University.

Resume:

Forty-one teeth from two dogs were utilized to evaluate the influence of Dycal® as a pulp capping agent on exposed and bacterially infected teeth.

10:00 - 10:30 Paul A. Jones, D.D.S., "Depression of Pulp Respiration by Dycal®, Cavitec® and N₂," The University of Nebraska.

Resume:

Traditionally, the pulpal effects of dental materials have been studied either by histologic section or by non-pulpal cell cultures. This study utilized a simplified *In Vitro* measurement of Pulpal respiration to test the cytotoxicity of Dycal®, Cavitec®, and N₂. The method is relatively simple, rapid, and easy to quantify. This technique could be applied to the study of dental materials using human pulps.





Friday, April 14, 1978

10:30 - 11:00 Michael J. Scianamblo, D.D.S.;* Ziedonis Skobe, Ph.D.; and John Heeley, B.L.S., "Vasculogenesis of the Dental Pulp," Harvard School of Dental Medicine.

Resume:

The vasculature of the developing teeth of rat neonates was examined histologically. Pulpal vasculogenesis occurred initially via the elaboration of a network of capillary loops. New loops were observed to form by the anastomosis of bulbous projections from parent vessels. The genesis of vessels resembling metarterioles, thoroughfare channels, and venules appeared to arise from the distension and retraction of pre-existing capillary loops. The impetus for pulpal vasculogenesis appeared to be related to the change in the physiologic status of the pulp and the spatial reorganization of developing teeth.

11:00 - 11:30 Morris C. M. Yip, D.D.S., Ph.D.;* Richard M. Moodnik, D.D.S.; Bernard G. Borden, D.M.D., "The Membrane Receptor Molecules in Dental Tissues," Nassau County Medical Center.

Resume:

Gangliosides are a group of related sialic acid containing glycolipids which have been found to serve as cell membrane receptors for many biological active agents. Monosialoganglioside (GM₁) has been shown to bind cholera toxin and act as an intermediate in the activation of adenylate cyclase. (Science, 194:906, 1976). Although gangliosides have been isolated from various sources, there has been no studies concerning their identification in dental tissues. Using an organic solvent partition technique and ascending thin-layer chromatography, we have isolated and qualitatively identified these gangliosides from human pulpal and periapical tissues. The physiological roles of this important class of receptor molecules remain to be determined in dental tissues.





Friday, April 14, 1978

11:30 - 12:00 Louis M. Lin, B.D.S., D.M.D., Ph.D.* and Kaare Langeland, D.D.S., Ph.D., "Light and Electron Microscopic Study of Human Teeth with Carious Pulp Exposure," University of Connecticut.

Resume:

In the transition zone between necrotic and inflamed pulp tissue bacteria were present in microphages and macrophages. As far down in the root canal as necrosis was present, bacteria were observed in the adjacent dentinal tubules not involved by caries from the external surface. Some bacteria inside the dentinal tubules appeared to be living, others undergoing lysis. They were identified by EM as gram (+) and gram (-) cocci and rods.



LUNCHEON WITH THE EXPERTS

1. I. B. Bender: "Pulpalgia"

Resume: "The mechanisms of pulpal and dentinal pain differ. The significance in diagnosis and rationale of treatment will be presented."

2. Duane Compton: "Speak Out for Endodontics!"

Resume: "A mini-spokesman's training course on how to win cohorts and influence colleagues, patients and press through effective communication of basic, sound endodontic philosophy."

3. Andrew Michanowicz: "Diagnosis and Treatment of Root Fractures"

Resume: None

4. Robert J. Michelich: "Design and Management of Flaps in Endodontic Surgery"

Resume: "The selection of the type, shape, and extent of flaps for endodontic surgery will be presented with a consideration of functional requirements, surgical anatomy, periodontal defects, restorations, esthetics, and instruments for incision, reflection, retraction, and replacement of the surgical flap."





Friday, April 14, 1978

5. **Thomas P. Mullaney: "Instrumentation and Filling Material Controversies Related to Fine-Curved Root Canals"**

Resume: "A variety of instrumentation and filling techniques will be discussed. This will include a comparison of the effectiveness of various enlargement techniques in maintaining the pre-existing canal curvature. In addition two commonly used filling materials will be compared regarding the effectiveness of the apical seal after enlargement and obturation."

6. **Benjamin Schein: "Endodontic Bacterial Plaque: The Endodontist Joins the Plaque Bandwagon"**

7. **Robert Shapiro (Boarded Oral Surgeon from Rock Springs, Wyoming): "Practical Approach to Office Emergencies"**

Resume: None

8. **Jerry F. Taintor: "Opinions and Practices of Endodontic Diplomates: Results of a Survey"**

Resume: The purpose of this study was to conduct a multipurpose survey of the opinions and practices of endodontic diplomates in an attempt to determine the standards of practice of the group and to determine differences within the group based on age of respondents and geographic area of practice."

9. **Richard E. Walton: "Special Radiographic Techniques in Diagnosis and Treatment"**

Resume: To be discussed are specific methods to obtain information, in 3 dimensions, about pulp anatomy and directions of root curvatures. Special techniques related to exposure factors, and processing and interpretation of working films will be discussed.

10. **Manuel I. Weisman: "A Post and Core Service for the Endodontic Patient"**

Resume: "The need for the fabrication of artificial dentin in endodontically treated teeth often becomes a daily necessity. The endodontist, in cooperation with the referring dentist, has a splendid opportunity to provide this service. The use of a dyed composite with tapered serrated posts will be emphasized. In addition the alloy core with and without dowels will be discussed."

11. **Mitsuru Otani: "Eco Mechanical Instrumentation of The Root Canal" (Japanese)**





Friday, April 14, 1978

2:00 to 5:00 INTERNATIONAL FORUM

2:00 to 3:00 Adelphi Room

**ANAEROBIC BACTERIA IN NECROTIC PULP TISSUE
AND THEIR PATHOGENICITY—
GORAN SUNDQVIST**

Moderator: Benjamin Schein, D.D.S.

Dr. Sundqvist is Chairman of the Department of Endodontics at the University of Umea. He received his Ph.D. in Oral Microbiology in 1976. He is a member of the Swedish Dental Association and the International Association for Dental Research. Dr. Sundqvist is licensed as a Specialist in Endodontics by the Royal Swedish Medical Board.

Synopsis

Dr. Sundqvist will present the results of his recent work with the isolation of bacteria from the necrotic pulp tissue. He will present the factors that make anaerobic bacteria oxygen sensitive, along with methods to cultivate the anaerobic bacteria and the use of these methods in endodontic microbiology. This discussion will develop the relationship between certain anaerobic bacterial species and the formation of periapical abscesses.

3:00 to 4:00

**ASSESSMENT OF ROOT CANAL THERAPY—
YURY KUTTLER, D.D.S., M.D.**

Dr. Kuttler is an Extraordinary Professor, University of Nuevo León Mexico and a former Professor of Stomatology, School of Medicine, I.P.N., Mexico. He is presently the Director of the Mexican Endodontic Institute.

Dr. Kuttler has lectured and given postgraduate courses in three languages in 137 cities in 56 countries on three continents. He is President of the Iberoamerican Endodontic Federation and a member of the Organizing Committee of the World Endodontic Confederation.

Synopsis

One of the main factors (among some 50 or so) that influence the results of canal therapy is the "Criterion used to evaluate them." The numerous criteria, displaying many discrepancies, when added to individual bias, are among the principal causes of the wide variety in success rates between one's own canal treatments and those of other practitioners.





Friday, April 14, 1978

The author offers one statistic on his correct canal treatments and another on his correctly enlarged canals which were accidentally obturated faultily (underfillings, so called "exact," and overfillings).

Precise definitions are proposed for the four different results, tending to eliminate vague, mistaken and non-scientific evaluations, in order to accelerate the progress of root canal therapy.

4:00 to 5:00

FIVE YEAR RESULTS OF ENDODONTIC TREATMENT ACCORDING TO A STANDARDIZED TECHNIQUE

Leif Tronstad, D.D.S., Ph.D., graduated School of Dental Medicine, Ludwig-Maximilian University, Munich, Germany 1957. Graduate studies, general dentistry, School of Dentistry, Oslo, Norway, 1958. Received the degrees Licenciate of Odontology at the Dental Faculty, University of Oslo, 1971 and Doctor of Odontology (Ph.D.) at the University of Oslo, 1973. Professor and Chairman, Department of Endodontics, University of Lund, Malmo, Sweden, 1974-. Associate Dean, same school, 1977-.

Author or co-author of about 80 publications.

Guest lecturer at European, American, Canadian, and Latin-American universities and associations.

Synopsis

The purpose of the standardized technique (Ingle) was to systematize and simplify the instrumentation and obturation of the root canal in endodontic therapy without lowering the demands for precision and accuracy. The technique will be discussed, and long term results will be presented.





TABLE CLINICS

(Steven H. Sanders, D.D.S., Chairman)

1. Raymond T. Webber, Gainesville, Florida
"The Use of Calcium Hydroxide in the Root Canal System of Open Resorbed Apices Which Stemmed from a Necrotic Pulp."
2. Robert J. Argo and Tom Thompson, Long Beach, CA.
"Extrusion of Endodontically Treated Teeth."
3. Manuel I. Weisman, Augusta, Georgia
"The Sights and Sounds of Filing."
4. Gabriel E. Perez Herrerias and Carlos E. Koloffon, Mexico City, Mexico
"A New Application of Povidone-Iodine in Endodontics."
5. Fernando Goldberg, Buenos Aires, Argentina
"The Endodontic Implant."
6. Albert C. Goerig, Elmer J. Neaverth and Jorge Torres, Fort Gordon, GA
"How to Make Dynamic Color Slides to Improve Your Endodontic Presentations."
7. Leo D. Pinsky, Milwaukee, Wisconsin
"Improved Retention of Amalgam in Reverse Fills."
8. Clifton A. Grayer, B. Richard Hill, and Jeffrey Rosenberg, Boston, Mass.
"Trouble Shooting the Inferior Alveolar Injection."
9. Fred Case, Augusta, GA
"Perforation Repairs with a Gel-Foam Matrix."
10. Vincent Frazzetto, Stony Brook, New York
"Endodontic Treatment of Dens in Dente."
11. Jay Herschman, Chicago, Illinois
"Endodontic Restorations."
12. Howard Adilman, Chicago, Illinois
"Posterior Endodontic Surgery."
13. C. D. Pedro Ardines Limonchi, Mexico City, Mexico
"An Evaluation of the Durasoft W.J. Autoclave for Sterilizing Small Endodontic Instruments."
14. Lester B. Chernick, Chicago, Illinois
"Torsional Failure of Endodontic Files."
15. Uziel Blumenkranz, Brighton, Mass.
"Endodontic Surgery."
16. H. Groves Cooke, Ft. Rucker, Alabama
"Unusual Anatomic Configurations of Mandibular Second Molars."
17. Dr. Radiguet, Paris, France
"Minding and Preserving Pulpal Vitality."
18. Haruhiro Ohtsu, and Mitsuru Otani, Japan
"Opian Carrier for Gutta Percha."
19. Richard Calhoun, Richmond, Virginia
"Forced Eruption: Alternative to Extraction."





Friday, April 14, 1978

**ENDODONTIC RESEARCH SEMINAR III
NON-GRADUATE**

2:00 to 5:00 Rialto Rooms 1 and 2

MODERATOR: DR. RICHARD MOODNIK

2:00 - 2:35 S. P. DeMartino, D.D.S.*; T. P. Wyman, D.D.S.; C. R. Parker, D.D.S.; A. Brugg, D.D.S.; W. E. Dowden, D.D.S.; and K. Langeland, D.D.S., Ph.D., "Efficacy of Electronic Root Canal Measuring Devices," University of Connecticut.

Resume:

56 teeth in 2 baboons were used to examine the efficacy of electronic measuring devices, the Sonoexplorer and the Forameter.

2:25 - 2:50 Dr. William Nipper, Jr., "An Evaluation of Endodontic Chairside Sterilization," University of Maryland at Baltimore.

Resume:

Sterilization of endodontic instruments using chairside sterilizers has been questioned as an effective clinical procedure. The data derived from this study will be used to develop clinically and biologically sound guidelines for the evaluation of presently used chairside sterilization methods.

2:50 - 3:15 Dr. Harris Levine, "A Quantitative Evaluation of the Effectiveness of Three Irrigating Solutions," University of Maryland at Baltimore.

Resume:

This study will evaluate the effectiveness of three irrigating solutions used for debriding the root canal system. This is the first study to quantitate the residual debris following instrumentation and irrigation of the root canal system.

3:15 - 3:40 Mary M. Chang, M.Sc., D.M.D.*; Braz Macedo, D.D.S., M.S., Ph.D.; and Francis E. Shovlin, D.D.S., M.S., "Effects of Prostaglandins on Bone Resorption of Periapical Lesions," College of Medicine and Dentistry of New Jersey.





Friday, April 14, 1978

Resume:

Prostaglandins have been implicated in bone resorption. Preliminary results indicate that plasma prostaglandin concentrates were altered in the test animals and the results obtained are being collated with the histologic findings.

- 3:40 - 4:05** **Alfred William Reader, B.S., D.D.S., M.S.;** and **Dennis W. Foreman, Ph.D., "An Ultrastructural Investigation of Human Intra-dental Innervation," The Ohio State University.**

Resume:

Four human bicuspid pulps were prepared for electron microscopic investigation. The 12,288 raw data items were recorded and analyzed on an I.B.M. 1620 computer.

- 4:05 - 4:30** **Alfonso Moreno de Leon, D.D.S., M.S.D., "Thermomechanically Softened Gutta Percha Root Canal Filling—Second Part," Monterrey, Mexico.**

Resume:

A group of 10 extracted teeth were treated and filled with the thermomechanically softened Guttapercha technique and 10 teeth as control were treated and filled with lateral condensation technique.

- 4:30 - 5:00** **Mahmoud Torabinejad, D.M.D., M.S.D., "Immunopathogenesis of Periapical Lesions," Loma Linda University.**





Saturday, April 15, 1978

**9:00 to 12:00 SCIENTIFIC SESSION IV
Adelphi Room**

**INFLAMMATION AND HOST DEFENSES
AGAINST INFECTION
IRA M. GOLDSTEIN, M.D.**

Moderator: I. B. Bender, D.D.S.

Dr. Goldstein received his M.D. degree from New York University School of Medicine, where he presently is Associate Professor of Medicine. Dr. Goldstein is Associate Attending Physician at both Bellevue Hospital and New York University Hospital. He is a Diplomate of the American Board of Internal Medicine and a Fellow of the American College of Physicians. Dr. Goldstein is the Director of the Honors Program at the New York University School of Medicine.

Synopsis

Dr. Goldstein plans to discuss normal and abnormal functions of those humoral and cellular components which are considered to be vital for the maintenance of normal host defenses against infection, but which can also be diverted to an attack upon the host to cause inflammation and tissue injury. Specific attention will be directed at polymorphonuclear leukocytes and the complement system.

**9:00 to 12:00 GENERAL INTEREST CLINIC II
Rialto 1 and 2**

9:00 to 9:30 Moderator: Harold Gerstein, D.D.S.

**TITLE: "Research Investigations of a Chelating Agent"
Carlos del Rio, D.D.S.**

DESCRIPTION:

Freshly extracted human teeth were biomechanically prepared utilizing an EDTA—urea peroxide—Carbowax compound. In the first part of the investigation, it was found that 3.8% of a radiolabeled chelating mixture remained in the canal. In the second part of the investigation, it was found that teeth biomechanically instrumented with the chelating mixture showed a twofold increase in leakage when measured by the uptake of radioactive iodine.





Saturday, April 15, 1978

9:30 to 10:00

TITLE: "Histologic Evaluation of Debridement of Morphologic Aberrations in the Pulp Space"

Richard E. Walton, D.M.D., M.S.

DESCRIPTION:

Many areas of the pulp space are not directly accessible to endodontic instruments and irrigating solutions. Some of the morphologic aberrations include: accessory canals, cul de sacs, tissue communications between canals, pulp horns, or concavities in the canal walls. This presentation will discuss the relative efficacy of different methods of canal preparation using different instruments in debriding these aberrant regions. Examination of histologic material will demonstrate the difficulty of total canal debridement regardless of the method used.

10:00 to 10:30

TITLE: "The Efficacy of Biomechanical Instrumentation: A Scanning Electron Microscopic Study."

Richard M. Moodnik, D.D.S.

DESCRIPTION:

Twenty-five freshly extracted teeth were mechanically instrumented three sizes beyond the criterion of the appearance of clean, white filings. Scanning electron microscopic examination showed many irregularities as well as tissue left in the root canal system. No difference in the degree of cleanliness was observed when comparing K-type and Hedstroem files.

10:30 to 11:00

TITLE: "Effect of Instrumentation on the Shape of the Root Canal." Robert A. Uchin, D.D.S.

DESCRIPTION:

One hundred and fifty mandibular molars that clinically appeared to have two separate mesial canals were randomly allotted into three groups. One group remained the control group while the mesial canals of the other two groups were instrumented by various techniques. All teeth were sectioned at the 1½-, 3-, 4½-, and 6-mm levels from the apex.

The 1½-mm and 6-mm sections were measured in the widest and narrowest diameters with a micron-measuring microscope. The results were





Saturday, April 15, 1978

(cont.) compared. It was concluded that no technique or instrumentation will predictably produce a round preparation in the apical portion. The further it is from the apex, the more irregular the shape of the canal is. Reaming action with a K-file produced the roundest preparation; this was followed by the Giromatic reamer and then by reaming action with a reamer. Filing action with a K-type file provided the least round preparation.

11:00 to 11:30

TITLE: "New Evidence on Sodium Hypochlorite as an Endodontic Irrigant."

Colonel John W. Harrison, D.M.D.

Description:

This lecture will discuss the advantages and disadvantages of the use of 5.25% sodium hypochlorite as an endodontic irrigant. Recent research findings regarding the effect of dilution of sodium hypochlorite will be reported. The results of a clinical investigation of the toxicity potential of various irrigants will also be discussed.

11:30 to 12:00

TITLE: "Delivery of Endodontic Irrigants."

Lawrence B. Goldman, D.M.D.

Description:

Although there has been extensive research regarding the most effective endodontic irrigating solution, little or no attention has been given to the method of introducing the irrigant, safely and efficiently. This presentation will review previous experiments which showed that the perforated endodontic irrigating needle produced a cleaner canal, using 5% NaOCl, than the conventional endodontic needle. Current research, comparing the efficacy of various irrigating solutions *in vitro*, delivered by the perforated needle, will be discussed. In addition, preliminary results of an *in vitro* study will be discussed.





Saturday, April 15, 1978
Sunday, April 16, 1978

12:00 to 2:00 Saturday

Edgar D. Coolidge Luncheon Speaker

Metro-Goldwyn Room

2:00 to 3:30 Saturday

9:00 to 12:00 Sunday

EDUCATIONAL RESOURCES

See Program page 9

BROADWAY ROOM

3:30 Saturday

GENERAL ASSEMBLY MEETING

Adelphi Room

Edgar D. Coolidge Luncheon Speaker



Frank Bowyer, D.D.S.
President
AMERICAN DENTAL ASSOCIATION

1978 AAE EXHIBITORS

Exhibitor	Booth No.	Exhibitor	Booth No.
Ada Products, Inc. Box 17509 Milwaukee, WI 53217	27	Lee Pharmaceuticals 1444 Santa Anita Ave. So. El Monte, CA 91733	10
Americana Corp. Grolier Interstate 1409 Winding Brook Dallas, TX 75208	9	Libin & Associates 3107 Wilshire Blvd. Los Angeles, CA 90010	19
Analytic Technology Corp. 2030 - 180th Ave. Redmond, WA 98052	38	J. B. Lippincott Co. East Washington Square Philadelphia, PA 19105	1
Columbus Dental Companies 634 Wager St. Columbus, OH 43206	32	Medidenta Corp. 39-23 62nd St. Woodside, NY 11377	17
Data Service Agency 9 American Industrial Dr. Maryland Hgts., MO 63043	3	Microcopy Box 977 Newbury Park, CA 91320	24
Dexta Corp. Box 3400 Napa, CA 94558	13	Midwest American 901 West Oakton Des Plaines, IL 60018	26
Lester A. Dine, Inc. Box 190 New Hyde Park, NY 11040	28	The C. V. Mosby Co. 11830 Westline Industrial Dr. St. Louis, MO 63141	6
Encyclopaedia Britannica 425 No. Michigan Ave. Chicago, IL 60611	29	Mynol Inc. 600 Parkway Broomall, PA 19008	15
Healthco Inc. 25 Stuart St. Boston, MA 02116	18	NPD Dental Systems Inc. 3 Huntington Quadrangle, Suite 2N11 Melville, NY 11746	30-3
Hygienic Dental Mfg. Co. 1245 Home Ave. Akron, OH 44310	39	Parkell 155 Schmitt Blvd. Farmingdale, NY 11735	44
Ives Laboratories Inc. 685 Third Ave. New York, NY 10017	37	Patterson Dental Co. 1100 East 80th St. Bloomington, MN 55420	45-4
Kerr Mfg. Co. 28200 Wick Rd. Romulus, MI 48180	25	Premier Dental Prod. Co. 1710 Romano Drive Norristown, PA 19401	40
Kilgore International Box 98 Coldwater, MI 49036	2	Pulpdent Corp. of America 75 Boylston St. Brookline, MA 02147	33
Komtux Stanley, NM 87056	5		





Exhibitor	Booth No.	Exhibitor	Booth No.
The Ransom & Randolph Co. 324 Chestnut St. Toledo, OH 43604	4	Sultan Chemists Inc. 85 W. Forest Ave. Englewood, NJ 07631	41
Ruthal Industries 1330 Motor Parkway Hauppauge, NY 11787	14	Tele-Com Office Prod. 269 N. Lake Pasadena, CA 91101	36
Charles B. Schwed Co. Inc. 505 Fifth Ave. New York, NY 10017	43	Total Medical Systems 7730 Clairemont Mesa Bl. San Diego, CA 92111	35
Southeastern Coin Exchange 307 Comm'l Bank Bldg. Griffin, GA 30224	23	Union Broach Corp 36-40 37th St. Long Island City, NY 11101	11-12
Star Dental Ford Bridge Rd. Conshohocken, PA 19428	35	Unitek Corp. 2724 So. Peck Rd. Monrovia, CA 91016	20-21-22
		Vita Mix Corp. 8615 Usher Rd. Cleveland, OH 44138	8

NOTES





NOTES





CONTINUING EDUCATION

Below is listed the course instructors' last name, the hours of credit allowed and the course registration number. The last number is the box number for ordering cassettes from Eastern Audio.

Weinstein	1½	158	1.5	7619	(S 78A-1)
Iber	1½	158	1.5	7620	(S 78A-2)
Huelke	1½	158	1.5	7621	(S 78A-3)
Mandell	1½	158	1.5	7622	(S 78A-4)
Schilder	6	158	06	7623	
Sherard	6	158	06	7624	
Weine	6	158	06	7625	
Kemp	1	158	01	7626	
Slavkin	3	158	03	7627	(D78A-5)
Kahn	½	158	0.5	7628	
Seldon	¾	158	0.75	7629	
Marlin-Krakow	¾	158	0.75	7630	
Genco	3	158	03	7631	(D78A-7)
Goldman (Thurs.)	3	158	03	7632	(D78A-6)
Cohen	3	158	03	7633	(D78A-8)
Wood-Elzay	3	158	03	7634	(D78A-9)
Goldman (Fri.)	3	158	03	7635	(D78A-10)
Michelich	2	158	02	7636	
Walton (Fri.)	2	158	02	7637	
Michanowicz	2	158	02	7638	
Bender	2	158	02	7639	
Compton	2	158	02	7640	
Mullaney	2	158	02	7641	
Otana	2	158	02	7642	
Weisman	2	158	02	7643	
Taintor	2	158	02	7644	
Shapiro	2	158	02	7645	
Schein	2	158	02	7646	(D78A-12)
Sunqvist	1	158	01	7647	(D78A-12)
Moodnik	3	158	03	7648	(D78A-11)
Kuttler	1	158	01	7649	(D78A-12)
Tronstad	1	158	01	7650	(D78A-12)
Del Rio	½	158	0.5	7651	
Goldstein	3	158	03	7652	(D78A-13)
Walton (Sat.)	½	158	0.5	7653	
Moodnik (Sat.)	½	158	0.5	7654	
Uchin	½	158	0.5	7655	
Harrison	½	158	0.5	7656	
Goldman (L)	½	158	0.5	7657	
Dunsky (Sat.)	1½	158	1.5	7658	
Dunsky (Sun.)	3	158	03	7659	





NOTES

FUTURE AAE MEETINGS

36th Annual Session
April 25-29, 1979
Peachtree
Center Plaza Hotel
Atlanta, GA

37th Annual Session
April 16-20, 1980
Century Plaza Hotel
Los Angeles, CA

38th Annual Session
April 29-May 3, 1981
Sheraton Hotel
Philadelphia, PA

39th Annual Session
April 21-25, 1982
Hyatt Regency and
Adams Hotel
Phoenix, AZ

