



## **TWENTIETH ANNUAL MEETING**

**FEBRUARY 1, 2, 3, 1963**

**PICK CONGRESS HOTEL**

**CHICAGO, ILLINOIS**

# **SPECIAL EVENTS**

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**Thursday**

**PREMEETING REGISTRATION AND  
SOCIAL HOUR**

6:30-8:30 P.M.

*Florentine Room*

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**Friday**

**LADIES LUNCHEON**

*Washington Room*

12:30

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**Saturday**

**LUNCHEON WITH LEARNING**

12:30-2:00

*Avenue West Room*

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**Saturday Evening**

**COCKTAIL HOUR**

6:00 P.M.

**BANQUET**

7:00 P.M.

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All tickets for banquet and luncheons available at  
Registration desks.

# W E L C O M E

## TO THE 20TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF ENDODONTISTS

IT IS a privilege to extend my warmest greetings to our members and guests. I know that you will find our meeting most rewarding and hope that your visit to Chicago will be a pleasant one.

Within the covers of this program appear the end results of months of planning on the part of our Officers, Committee Chairmen and Committeemen to provide the best of programming. To each of these and to our essayists and clinicians we owe our deep appreciation for sharing their professional knowledge.

Besides the many opportunities to learn, I hope that the good fellowship and the opportunity to meet old friends will make you richer for having been with us.

VINCENT B. MILAS, *President*

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1943 — 1963

**TWENTY YEARS OF PROGRESS AND ADVANCEMENT  
THROUGH EDUCATION AND RESEARCH IN THE ART  
AND SCIENCE OF ENDODONTICS**

## Officers of the AMERICAN ASSOCIATION OF ENDODONTISTS

|                                   |                        |
|-----------------------------------|------------------------|
| VINCENT B. MILAS .....            | <i>President</i>       |
| JAMES H. SHERARD, JR. ....        | <i>President-Elect</i> |
| J. B. FREEDLAND .....             | <i>Vice-President</i>  |
| E. C. VAN VALEY .....             | <i>Secretary</i>       |
| JOHN I. INGLE .....               | <i>Treasurer</i>       |
| WARREN J. HEDMAN, D.C., USN ..... | <i>Editor</i>          |

### EXECUTIVE COMMITTEE

1965

|                 |                |                 |
|-----------------|----------------|-----------------|
| ALFRED L. FRANK | JOSEPH J. OBST | LOUIS C. SIEGEL |
|-----------------|----------------|-----------------|

1964

|                 |                  |              |
|-----------------|------------------|--------------|
| IRVING ABRAMSON | EUGENE S. DORION | DUDLEY GLICK |
|-----------------|------------------|--------------|

1963

|                    |                 |                |
|--------------------|-----------------|----------------|
| ARTHUR J. MONTAGNE | J. H. CROOK     | JACK LANDSBERG |
|                    | GLENN R. BROOKS |                |

### PAST PRESIDENTS

|                         |      |                         |      |
|-------------------------|------|-------------------------|------|
| *W. CLYDE DAVIS .....   | 1943 | L. A. LUCAS .....       | 1953 |
| RALPH F. SOMMER .....   | 1944 | N. WEIR BURKMAN .....   | 1954 |
| ROBERT G. KESEL .....   | 1945 | HARRY J. HEALEY .....   | 1955 |
| *E. G. VAN VALEY .....  | 1946 | JOHN R. PEAR .....      | 1956 |
| MAYNARD K. HINE .....   | 1947 | GEORGE C. HARE .....    | 1957 |
| LOUIS I. GROSSMAN ..... | 1948 | GEORGE G. STEWART ..... | 1958 |
| ELMER A. JASPER .....   | 1949 | J. HENRY KAISER .....   | 1959 |
| RAYMOND L. GIRADOT ...  | 1950 | PAUL P. SHERWOOD .....  | 1960 |
| *GEORGE C. SHARP .....  | 1951 | GLENN R. BROOKS .....   | 1961 |
| F. D. OSTRANDER .....   | 1952 |                         |      |

\*Deceased.

## FRIDAY MORNING, FEBRUARY 1, 1963

*As a tribute to Chicago, the Birthplace of the Association,  
Today's Essayists will be Chicagoans.*

### MOTION PICTURES

#### **Florentine Room**

8:30-9:00     **TISSUE SECTION STUDIES OF THE NERVES  
TO THE UPPER TEETH**  
SCHOOL OF MEDICINE, LOMA LINDA UNIVERSITY.  
**ENDODONTICS A PHYSIOLOGIC BASIS**  
SANFORD S. GOLDEN, D.D.S.

### ESSAY PRESENTATIONS

*Section Chairman:* CHARLES G. MAURICE, D.D.S.,  
Chicago, Illinois.

#### **Florentine Room**

9:00-9:30

*Subject:*     **THE ENDODONTIST AND PERIAPICAL AREAS  
OF RAREFACTION**

*Essayist:*     FRANK T. WAIS, D.D.S., M.S., Chicago, Illinois.  
Head, Department of Endodontics, Northwestern  
University Dental School.

*Synopsis:*     This paper will deal with the determination and  
diagnosis of the periapical areas of rarefaction  
ranging from the minor to the extreme cases.

9:30-10:00

*Subject:*     **THE ROLE OF RADIOLOGY IN ENDODONTIC  
PRACTICE**

*Essayist:*     SEYMOUR H. YALE, D.D.S., Chicago, Illinois, Ad-  
ministrative Assistant to the Dean, Professor and  
Head of the Department of Radiology, College of  
Dentistry, University of Illinois.

*Synopsis:* The endodontist is interested in producing diagnostic and serially reproducible radiographs using a minimum of radiation. The essayist will discuss the attainment of these three objectives in light of current developments in x-ray equipment, the reevaluation of diagnostic rationale, and the recognition of the problems inherent to radiation control legislation.

10:00-11:00

*Subject:* **THE IMAGE OF THE PULP SPACE  
IN THE DENTAL X-RAY**

*Essayist:* Arthur Elfenbaum, D.D.S., Chicago, Illinois. Professor Emeritus, University of Illinois and Northwestern University.

*Synopsis:* Endodontics in modern dentistry is a biologic science as well as a mechanical art. If there are any changes in the form or density of the roentgenographic image of the pulp space, a series of diagnostic aids must be used to determine what local or systemic factors are involved.

11:00-12:00

*Subject:* **BASIC ANESTHESIA FOR PAIN-FREE ENDODONTIC  
THERAPY**

*Essayist:* MAX S. SADOVE, M.D., Chicago, Illinois. Professor of Anesthesiology and Head, Division of Anesthesiology, College of Medicine, University of Illinois.

*Synopsis:* The stimulation occurring during many endodontic procedures is of great intensity. The attainment of adequate anesthesia may, under many circumstances, be difficult. An understanding of the distinction between analgesia and true anesthesia and the factors involved in the attainment of this intense anesthesia will be discussed.

## FRIDAY AFTERNOON

### Florentine Room

1:45-2:45

*Subject:* **EFFECTIVENESS OF SOME ROOT CANAL  
MEDICAMENTS**

*Essayist:* ARTHUR N. BAHN, A.B., M.A., Ph.D., Chicago, Illinois. Assistant Professor, Department of Microbiology, Northwestern University.

*Synopsis:* For the last two years, Drs. Bahn, Gerstein and Heuer have attempted to treat experimental pulpal infections with various root canal medicaments.

2:45-3:45

*Subject:* **TISSUE CHANGES FOLLOWING ENDODONTIC  
THERAPY**

*Essayist:* ELMER A. JASPER, D.D.S., Chicago, Illinois. Professor of Dentistry, University of Illinois.

*Synopsis:* Our endodontic techniques have been developed from research conducted in a number of dental schools and clinics. Proof of the effectiveness of these methods can be found in serial radiographs taken over a period of years.

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1943 — 1963

**TWENTY YEARS OF PROGRESS AND ADVANCEMENT  
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## SATURDAY MORNING, FEBRUARY 2, 1963

### MOTION PICTURES

#### Florentine Room

8:30-9:00

#### RESEARCH PROFUSION OF A DOG ENDODONTICALLY TREATED

ENDODONTIC DEPARTMENT AT FAIRLEIGH DICKINSON UNIVERSITY SCHOOL OF DENTISTRY.

### PROJECTED CLINICS

*Section Chairman:* HENRY S. SCHMIDT, D.D.S.,  
Detroit, Michigan.

#### Florentine Room

9:00-9:30

*Subject:*

#### HISTOLOGIC AND CLINICAL EVALUATION OF PERIAPICAL LESIONS

*Clinician:*

JAMES W. BYNUM, D.D.S., M.S.D., St. Louis, Missouri. Instructor In Oral Pathology, St. Louis University.

*Synopsis:*

Clinical and histopathologic criteria were used to arrive at a diagnosis of Granuloma, Abscess or Cyst, for 250 periapical lesions. A study for the detection of nerve tissue was included.

9:30-10:00

*Subject:*

#### THE MOBILITY OF THE APICAL FORAMEN

*Clinician:*

MILTON SISKIN, D.D.S., Memphis, Tennessee. Associate Professor, Department of Oral Medicine, University of Tennessee.

*Synopsis:*

The factors which influence the formation and position of the apical foramen and the processes that affect this anatomical structure after the initial completion of apexification are multiple and dynamic. This presentation will review the influences that may affect the location of the apical foramen.



10:00-10:45

*Subject:* **TIME AND MOTION ANALYSIS — WORK  
SIMPLIFICATION IN ENDODONTIC PRACTICE**

*Clinician:* SANFORD S. GOLDEN, D.D.S., Los Angeles, California. Assistant Professor, H. F., RED., U.S.C., School of Dentistry.

*Synopsis:* Human Factors research material applied to endodontics will be presented to include patient education, auxiliary audio-visual aids, procedural methodology in positioned operative technique and auxiliary personnel responsibilities.

10:45-11:30

*Subject:* **ROOT CANAL FILLINGS**

*Clinician:* I. B. BENDER, D.D.S., Philadelphia, Pennsylvania. Associate Professor, Oral Medicine, School of Dentistry and Graduate School of Medicine, University of Pennsylvania.

*Synopsis:* This paper will present a statistical study of 2335 root canal fillings in which the bacteriologic status was determined immediately prior to filling of root canals. Other variables have also been evaluated to determine their relationship to endodontic failures.

### LUNCHEON

**Avenue West**

11:30-2:00

**LUNCHEON WITH LEARNING**

DUDLEY H. GLICK, D.D.S., *Chairman.*

## **SATURDAY AFTERNOON**

### **PANEL DISCUSSION**

#### **Florentine Room**

**2:00-3:30**

*Subject:* **POST-VISIT ENDODONTIC PAIN-CAUSES,  
MANAGEMENT AND PREVENTION**

*Moderator:* **DARL OSTRANDER, A.B., M.S., D.D.S.,** Ann Arbor, Michigan. Professor of Dentistry (Dental Pharmacology, Therapeutics, and Endodontics), University of Michigan.

*Participants:* **J. HENRY KAISER, B.S., Ph.C., D.D.S.,** Columbus, Ohio. Professor and Chairman Department of Endodontics, Ohio State University.

**HERBERT SCHILDER, B.A., D.D.S.,** Boston, Massachusetts. Assistant Professor and Head of Endodontia Section, Department of Stomatology, School of Medicine, Boston University.

**HARRY BLECHMAN, B.S., M.A., D.D.S.,** New York, N. Y. Professor and Chairman, Department of Microbiology, New York University College of Dentistry.

**3:30**

#### **20TH ANNUAL BUSINESS SESSION**

*Presiding:* **DR. VINCENT MILAS,** Chicago, Illinois.

### **BANQUET**

#### **Avenue West Room**

**7:00**

**20TH ANNUAL BANQUET AND INSTALLATION OF OFFICERS**

# **COCKTAIL HOUR**



**SATURDAY, FEBRUARY 2**

**Avenue West Room**

**6:00 P.M.**



**BANQUET  
AND  
INSTALLATION OF  
OFFICERS**

**7:00 P.M.**



*Speaker:*

**WYATTE F. DeLOACHE**

**E. I. DuPont de Nemours & Co.**

**THE MENACE OF THE MISINFORMED**

## SUNDAY MORNING, FEBRUARY 3, 1963

### MOTION PICTURE

#### Florentine Room

8:30-9:00     **INFLAMMATION**  
LEDERLE LABORATORIES.

### PANEL DISCUSSION

#### Florentine Room

9:00-11:00

*Subject:*     **HOW CAN STERILIZATION AND DISINFECTION OF  
ENDODONTIC INSTRUMENTS AND MATERIALS  
BE MOST EASILY ACHIEVED?**

*Moderator:* J. B. FREEDLAND, D.D.S., Charlotte, North Carolina. Member, The American Institute of Oral Biology.

*Participants:* MARY CROWLEY, A.B., M.S.P.H., Ann Arbor, Michigan. Professor of Dentistry (Bacteriology), School of Dentistry, University of Michigan.

BERTRAM L. WOLFSOHN, D.D.S., San Francisco, California. Associate Clinical Professor Operative Dentistry (Endodontic Section), College of Physicians and Surgeons, University of California.

LOUIS I. GROSSMAN, D.D.S., Philadelphia, Pa. Professor of Oral Medicine, University of Pennsylvania, School of Dentistry.

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**Lincoln Room**

*Section Chairman:* SAMUEL S. PATTERSON, D.D.S.,  
Indianapolis, Indiana.

11:00-1:00 **CLINICS OF ENDODONTIC INTEREST**

*Subject:* **THE SUCCESS OF DIFFICULT ROOT FILLINGS IN  
MULTIROOTED TEETH AND EXTREMELY CURVED  
ROOTS AND ACCESSORY CANALS**

*Clinician:* SAMUEL M. ROBBINS, D.D.S., Cleveland, Ohio.  
Chief of Dental Medicine, Doctors Hospital.

*Synopsis:* These cases are a series of x-rays and Kodachrome slides with follow-ups, showing unusual root canals, accessory canals, and root ends, each telling an endodontic story. A series of re-implanted teeth, and reverse root fillings.

*Subject:* **A HEATLESS STERILIZER FOR HIGH-SPEED  
HANDPIECES AND SMALL SURGICAL INSTRUMENTS**

*Clinician:* VICTOR PINARD, D.D.S., Ottawa, Canada. Honorary member of the Canadian Dental Association.

*Synopsis:* The instrument to be sterilized is rotated in a flooded ultra violet chamber for a duration of 5, 10, or 15 minutes to achieve sterilization.

*Subject:* **MANAGEMENT OF SOME UNUSUAL  
ENDODONTIC CASES**

*Clinician:* NGUYEN THANH NGUYEN, D.D.S., San Francisco, California.  
Chairman, Section of Endodontics, University of California, School of Dentistry.

*Synopsis:* Problems of fractured anteriors, splitting of posterior teeth and some interesting ways of handling broken instruments in canals.

*Subject:*       **INTEGRATED ENDODONTIC AND PERIODONTIC THERAPY**

*Clinician:*   SEYMOUR OLIET, D.D.S., Philadelphia, Pennsylvania, Assistant Professor, Oral Medicine, University of Pennsylvania, School of Dentistry.

*Synopsis:*      The projected procedures will be a demonstration of a horizontal sliding flap, apical curettage of an endodontically treated tooth through the gingival crevice, and the use of the "split flap" technic in the immediate root resection (curettage).

*Subject:*       **ELECTIVE REPLANTATION**

*Clinician:*   ROBERT KURCZ, D.D.S., Allen Park, Michigan. Clinical Instructor in Endodontics and Graduate Assistant in Endodontic Research, Dental School Wayne University.

DANIEL GOODMAN, D.D.S., Detroit, Michigan. Associate Professor in Endodontics, University of Detroit, School of Dentistry.

*Synopsis:*      Development of a method of maintaining teeth which cannot be treated by conservative non-surgical or surgical methods, due to surgical inaccessibility, blocked canals or refractory infection will be shown.

*Subject:*       **CASE HISTORY FORMS, STATIONERY, AND PATIENT EDUCATION IN ENDODONTICS**

*Clinician:*   MANUEL I. WEISMAN, D.D.S., Augusta, Georgia.

## CLINICS ON BASIC SCIENCE AND RESEARCH

*Subject:* **A STUDY OF PERIAPICAL TEMPERATURE OF TEETH UNDERGOING ENDODONTIC THERAPY**

*Clinician:* HOWARD S. SELDEN, D.D.S., Philadelphia, Pa. Instructor in Endodontics at Temple University.

*Synopsis:* Utilizing a specially designed and fabricated thermometer probe, capable of passing through the root canal and out the apex, varying periapical temperatures of teeth under endodontic therapy have been recorded.

*Subject:* **TISSUE RESPONSES TO ENDODONTIC MATERIALS**

*Clinician:* DANIEL AREFIAN, D.D.S., Washington, D. C. Assistant Professor, Department of Oral Medicine, Howard University.

JAMES GUTTUSO, D.D.S., Buffalo, New York, Instructor in Endodontics and Radiodontics, State University of New York, Buffalo.

*Synopsis:* It is evident that irritating materials are more damaging to periapical tissues than they are beneficial. To evaluate many of the materials commonly used or recently advocated for use in endodontics, specimens of each were introduced into rat connective tissues.

*Subject:* **DO TEMPORARY FILLING MATERIALS REALLY SEAL? (A BACTERIAL STUDY OF SEALING PROPERTIES)**

*Clinicians:* LEONARD PARRIS, D.D.S., Philadelphia, Pennsylvania. Professor and Chairman, Department of Endodontics, Temple University School of Dentistry.

PETER KAPSIMALIS, D.D.S., Philadelphia, Pennsylvania. Dental Research Associate, Temple University, School of Dentistry.

*Synopsis:* Part two of a broad study to determine the relative efficiency of temporary filling materials as sealing agents under conditions similar to those encountered in the mouth.



*Subject:* **ORGANISM IDENTITY, AND RESISTANCE  
EVALUATION FOLLOWING TWO SUCCESSIVE  
POSITIVE CULTURES FROM ROOT CANALS**

*Clinician:* C. DON GERDES, D.D.S., Asheville, North Carolina.

*Synopsis:* We are using formula G-4 as the base for testing. Any resistant organisms are subsequently transferred to media-filled tubes treated with minimum reactive amounts of the medicaments compared with G-4.

*Subject:* **ELECTRONIC STERILIZATION OF ROOT CANALS**

*Clinician:* ROBERT A. UCHIN, D.D.S., Fort Lauderdale, Florida. Co-Chairman Endodontic Section, Dade County Dental Research Clinic, Miami, Florida.

*Synopsis:* Recently a new instrument has been introduced to the profession which has revitalized interest in the process of electro-medication as a means of sterilization of the root canal.

*Subject:* **MICROBIOLOGICAL STUDIES IN ENDODONTICS**

*Clinicians:* W. ROBERT BIDDINGTON, D.D.S., Morgantown, West Virginia. Professor and Chairman of the Department of Endodontics, West Virginia University, School of Dentistry.  
MALKO KARKENNY, B.S., Morgantown, West Virginia. Junior dental student at West Virginia University.

*Synopsis:* The value of multiple culture samples from single canal teeth, a new solution for rubber dam sterilization, the percentage of positive and negative cultures, and the microorganisms isolated, will be discussed.

*Subject:* **A STUDY OF THE USE OF ANTIBIOTIC SENSITIVITY TESTING IN ENDODONTICS**

*Clinicians:* MELVIN GOLDMAN, A.B., D.D.S., Worcester, Massachusetts. Assistant Professor in Endodontics, Tufts University, College of Dentistry.  
A. H. PEARSON, D.D.S., Boston, Massachusetts.



*Synopsis:* All positive cultures (taken at various stages in the treatment) are submitted for antibiotic sensitivity testing and identification. From these statistics we hope to determine the proper antibiotic.

*Subject:* **PERIAPICAL TISSUE REACTIONS TO ENDOGENOUS INFECTION**

*Clinician:* MICHEL TAGGER, D.M.D., Jerusalem, Israel. Research Assistant, University of Illinois, College of Dentistry.

*Synopsis:* Histologic analysis of periapical tissue reactions to endogenous infections following pulp exposure was made in rat molars. The pattern of tissue reaction was established and now forms the basis for further experimental use of the rat molar in endodontics.

#### EXHIBITS

*Section Chairman:* SANFORD S. GOLDEN, D.D.S., Los Angeles, California.

*Subject:* **ENDODONTIC EDUCATION TELEVISION EXHIBIT**  
GEORGE SCHUGAR, D.D.S., Pittsburgh, Pennsylvania.

#### ADDITIONAL EXHIBITS

LOMA LINDE UNIVERSITY, SCHOOL OF MEDICINE,  
DEPARTMENT OF ANATOMY.

B. Z. RABINOWITCH, D.D.S., Beverly Hills, California.

JOHN I. INGLE, D.D.S., Seattle, Washington.

JAMES H. SHERARD, JR., Atlanta, Georgia.

SANFORD S. GOLDEN, D.D.S., Los Angeles, California.

## NOTES

## COMMITTEES — 1963

### Program

JOSEPH J. OBST, *Chairman*  
HENRY S. SCHMIDT  
SANFORD GOLDEN  
R. C. McDAVID  
CHARLES G. MAURICE  
LOUIS C. SEGEL  
HUME S. POWELL  
SAUL LEVY

DUDLEY GLICK  
GEORGE C. HARE  
SEBASTIAN J. GRECO  
L. IRVING EPSTEIN  
JAMES W. BYNUM  
J. HOBSON CROOK  
MAURICE FRIEDMAN  
JOSEPH POLLACK

### Local Arrangements

W. McDANIEL, *Chairman*  
HENRY KAHN  
FRANCIS O'GRADY  
CHARLES MAURICE  
THOMAS R. WRIGHT

HAROLD GERSTEIN  
SAMUEL KLEIMAN  
P. SIDNEY NEUWIRTH  
JOHN A. CALLAHAN  
HARRY R. SHEPARD

### Clinics

S. S. PATTERSON, *Chairman*  
SAUL LEVY  
LEO BOTWINICK  
JACOB ENGLANDER

IRVING ABRAMSON  
MAURY MASSLER  
HARRY ALBERT  
C. DON GERDE

### Visual Education & Scientific Exhibits

SANFORD GOLDEN, *Chairman*  
DANIEL AREFIAN  
MILTON SISKIN  
JAMES TSIGONIS

JAMES GUTTUSO  
ASHTON E. WICK  
JAMES H. WICK

### Ushers & Monitors

HAROLD EPSTEIN, *Chairman*  
GEORGE ISRAEL  
D. J. FISCARELLI  
JOHN MICHANOWICZ  
JAMES CLAYPOOL

MORTON AMSTERDAM  
WILLIAM B. FULLER  
N. H. FORMAN  
P. SIDNEY NEUWIRTH  
SAMUEL R. KLEIMAN

### Registration

JOHN SOWLE, *Chairman*  
R. C. McDAVID  
PAUL SIEGEL  
CHARLES CONAT  
JOHN MICHANOWICZ  
STEPHEN KLIMASKO

DOUGLAS MEINIG  
RICHARD K. McCORMACK  
ARTHUR McFEATERS  
HARRY R. SHEPARD  
ALVIN HIRSHBERG

### Banquet

F. J. GRUCHALLA, *Chairman*  
HERBERT SCHILDER  
ROBERT UCHIN

B. Z. RABINOWITCH  
VICTOR PINARD

### Program Editor

THEODORE R. LERNER