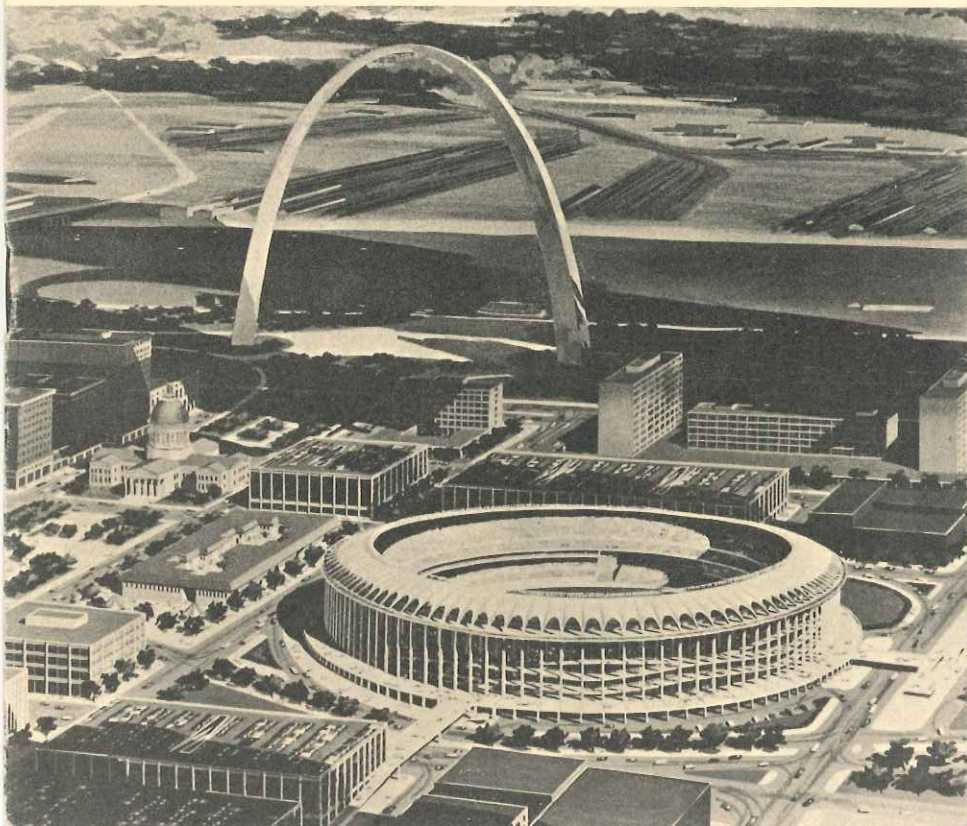
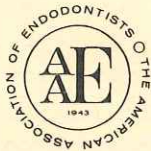


*Twenty-fourth Annual Meeting*  
of the  
*American Association of Endodontists*

April 13, 14, 15, 16, 1967

Chase-Park Plaza Hotel ST. LOUIS, MISSOURI



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**WELCOME**  
**TO THE TWENTY FOURTH ANNUAL MEETING**  
**of the**  
**AMERICAN ASSOCIATION OF ENDODONTISTS**

It is fitting that the Annual Meeting of the American Association of Endodontists should be held in St. Louis this year. One hundred years ago in this city, Dr. Bowman announced the use of gutta percha as a root canal filling material. If you will think back, there are not many products in use today that were developed a century ago. And as yet, we have not in all this age of technology developed an endodontic filling material superior to gutta percha.

Root canal therapy is vastly different than it was in 1867. We are reaching toward the apogee of success. Today, by careful diagnosis and treatment, success in endodontics is nearly 100 percent.

How many men visualized only a short time ago that we could once again stimulate growth of the incompletely formed root which had become pulpless? Who visualized only a few years ago the sophisticated surgical techniques presently used, as well as the devices to extend root length and to intentionally replant apparently hopeless cases?

The endodontist is fast becoming the diagnostician for dentistry, and it is in this area where we must make our greatest strides, in dental education and in the specialty. I am sure that through such meetings as this 100th Anniversary Meeting our knowledge will surge forward.

JOHN I. INGLE, D.D.S.  
President

## OFFICERS

JOHN I. INGLE.....	<i>President</i>
EDGAR D. COOLIDGE.....	<i>Honorary President</i>
EDWIN C. VAN VALEY.....	<i>President Elect</i>
SAMUEL S. PATTERSON.....	<i>Vice President</i>
JOHN F. BUCHER.....	<i>Secretary</i>
DUDLEY H. GLICK.....	<i>Treasurer</i>
I. B. BENDER.....	<i>Editor</i>
VINCENT B. MILAS.....	<i>Historian</i>

## EXECUTIVE COMMITTEE

1969

JOSEPH H. MERRELL	ADRIAN J. SAMPECK
ANDREW E. MICHANOWICZ	

1968

JOHN DOWSON	CHARLES G. MAURICE
WARREN J. HEDMAN	

1967

WALTER T. COLQUITT	HERBERT SCHILDER
JAMES W. BYNUM	
Immediate Past President	HENRY S. SCHMIDT

## AMERICAN BOARD OF ENDODONTICS

RALPH F. SOMMER, <i>Chairman</i>	HARRY J. HEALEY
GEORGE G. STEWART, <i>Secretary</i>	JOHN I. INGLE
J. B. FREEDLAND	ROBERT G. KESEL
LOUIS I. GROSSMAN	LAURANCE A. LUCAS
MILTON SISKIN	

## PAST PRESIDENTS

*W. CLYDE DAVIS.....	1943
RALPH F. SOMMER.....	1944
ROBERT G. KESEL.....	1945
*E. G. VAN VALEY.....	1946
MAYNARD K. HINE.....	1947
LOUIS I. GROSSMAN.....	1948
*ELMER A. JASPER.....	1949
*RAYMOND L. GIRARDOT.....	1950
*GEORGE G. SHARP.....	1951
F. D. OSTRANDER.....	1952
L. A. LUCAS.....	1953
N. WEIR BURKMAN.....	1954
HARRY H. HEALEY.....	1955
JOHN R. PEAR.....	1956
GEORGE C. HARE.....	1957
GEORGE G. STEWART.....	1958
J. HENRY KAISER.....	1959
PAUL P. SHERWOOD.....	1960
GLENN R. BROOKS.....	1961
VINCENT B. MILAS.....	1962
JAMES H. SHERARD, JR.....	1963
J. B. FREEDLAND.....	1964
HENRY S. SCHMIDT.....	1965

\*Deceased

## HONORARY MEMBERS

MARY C. CROWLEY  
EDGAR D. COOLIDGE  
SIR. E. WILFRED FISH

WALTER HESS  
B. NYGAARD OSTBY

## LIFE MEMBERS

A. FLOYD ANDERSON  
JOHN D. BARAB  
MAX GRATZINGER  
O. C. HIGH  
H. H. PEARSON

GEORGE W. LORENZ  
BENJAMIN W. MEIMAN  
A. L. WALTERS  
R. T. WILLEY

# Entertainment and Special Events

**THURSDAY, APRIL 13, 1967**

**PRE-MEETING RECEPTION**

Tiara Lounge — 6:00 P.M.-8:00 P.M.

**LADIES PROGRAM**

**"Welcome to St. Louis Tea"**

1:00 P.M.-4:30 P.M.

**FRIDAY, APRIL 14, 1967**

**NEW MEMBER BREAKFAST**

Lido Room — 7:30 A.M.

**LUNCHEON WITH LEARNING**

Khorassan "A" — 12:00 Noon

**"HUCK FINN" MISSISSIPPI RIVER EXCURSION WITH DINNER ABOARD**

6:30 P.M. — Lindell Boulevard Entrance to Hotel

**LADIES PROGRAM**

**ST. LOUIS SYMPHONY SOCIETY — "TOUR OF DISTINCTION"**

Tour and Lunch at Private St. Louis Club

9:45 A.M. — Lindell Boulevard Entrance to Hotel

**SATURDAY, APRIL 15, 1967**

**MEET THE BOARD**

Colonial Room — 7:30 A.M.

**COCKTAIL HOUR**

Tiara Lounge — 6:00 P.M.

**BANQUET AND INSTALLATION OF OFFICERS**

Tiara Room

**Guest Speaker: MR. JACK BUCK**

**7:00 P.M.**

**LADIES PROGRAM**

**BUFFET — BRUNCH**

**HERITAGE FASHION SHOW OF PARISIENNE ORIGINALS**

**Meeting and Installation of Officers**

Tiara Lounge — 10:00 A.M.-1:00 P.M.

# Summary of Program...1967

## THURSDAY, APRIL 13th

- 9:00 A.M.-5:00 P.M. American Board Examination  
Stockholm Room
- 9:00 A.M.-5:00 P.M. Fellowship Examination  
Lacquer Room
- 9:00 A.M.-5:00 P.M. Endodontic Research Seminar  
Coach Room
- 9:00 A.M.-5:00 P.M. Scientific & Commercial Exhibits  
Chase Lounge & Regency Foyer
- 5:00 P.M.-7:00 P.M. Registration  
Chase Lounge
- 6:00 P.M.-8:00 P.M. Pre-Meeting Reception  
Tiara Lounge

## FRIDAY, APRIL 14th

- 7:30 A.M. New Member Breakfast  
Lido Room
- 8:00 A.M.-5:00 P.M. Registration  
Chase Lounge
- 9:00 A.M.-5:00 P.M. Scientific & Commercial Exhibits  
Chase Lounge & Regency Foyer
- 9:00 A.M. 12:00 Noon SCIENTIFIC SESSION  
Khorassan Room

### PAIN

Session Chairman: Dr. Dudley Glick

PAIN AND THE EFFECT OF STRONG AN-  
ALGESICS ON THE PAIN EXPERIENCE  
Dr. Herbert Bartelstone

# Summary of Program...1967

## CRANIOFACIAL NEUROLOGY

Dr. James Ripepi

## THE HYDRODYNAMICS OF THE DENTAL TUBULE AND OF PULP FLUID

Dr. Martin Brannstrom

**12:00-2:00 P.M.**

## LUNCHEON WITH LEARNING

Khorassan "A"

Moderator: Dr. Richard Moodnick

**2:00 P.M.-5:00 P.M.**

## SCIENTIFIC SESSION

Khorassan Room

## CENTENNIAL OF GUTTA PERCHA AND PULP TESTING

Session Chairman: Dr. Louis I. Grossman

## 100 YEARS OF PULP TESTING

Dr. Richard Reynolds

## GUTTA PERCHA — RETROSPECT AND PROSPECT

Dr. James W. Bynum

## VERTICAL CONDENSATION WITH WARM GUTTA PERCHA

Dr. Herbert Schilder

## THE FUTURE OF ROOT CANAL FILLING MATERIALS

Dr. Peter Kapsimalis

**6:30 P.M.**

## MISSISSIPPI RIVER EXCURSION WITH DINNER ABOARD THE "HUCK FINN"

Lindell Boulevard Entrance to Hotel

## **SATURDAY, APRIL 15th**

**7:30 A.M.**

## MEET THE BOARD

Colonial Room

**9:00-5:00 P.M.**

## REGISTRATION

Chase Lounge



# Summary of Program...1967

- 9:00 A.M.-5:00 P.M.** SCIENTIFIC & COMMERCIAL EXHIBITS  
Chase Lounge & Regency Foyer
- 9:00 A.M.-12:00 Noon** SCIENTIFIC SESSION  
Khorassan Room
- HEALING  
Session Chairman: Dr. Samuel Seltzer
- PULP WOUND HEALING  
Dr. Maury Massler
- MECHANISMS OF PULPAL REPAIR AFTER  
STRESS  
Dr. Leo Zach
- STRUCTURAL CHARACTERISTICS OF  
WOUND HEALING  
Dr. Seong S. Han
- A HYPOTHESIS FOR RADICULAR CYST  
HEALING FOLLOWING NON - SURGICAL  
ENDODONTICS  
Dr. I. B. Bender
- 12:00 Noon-1:30 P.M.** LUNCH
- 1:30 P.M.-3:30 P.M.** PROJECTED CLINICS AND TABLE CLINICS  
PROJECTED—Regency Room  
PROJECTED—Lido Room  
TABLE—Coach Room
- 3:30 P.M.-5:00 P.M.** BUSINESS MEETING  
Khorassan Room
- 6:00 P.M.** COCKTAIL PARTY  
Tiara Lounge
- 7:00 P.M.** BANQUET  
Tiara Room

# Summary of Program...1967

## SUNDAY, APRIL 16th

**9:00 A.M.-12:00 Noon** SCIENTIFIC & COMMERCIAL EXHIBITS  
Chase Lounge & Regency Foyer

**9:00 A.M.-12:00 Noon** REGISTRATION  
Chase Lounge

**9:00 A.M.-12:00 Noon** SCIENTIFIC SESSION  
Chase Club

### MANAGEMENT OF AN ENDODONTIC PRACTICE

Session Chairman: Dr. Morris Auerbach

THE UNIQUE RELATIONSHIP OF A SPECIALIST AND THE REFERRED PATIENT  
Dr. Pierre R. Dow

EFFICIENCY IN THE OFFICE OR SIMPLIFICATION IN ENDODONTICS  
Dr. Jack Landsberg

YOUR RELATIONSHIP WITH THE REFERRING DENTIST  
Dr. Morris B. Auerbach

# Program Details

**FRIDAY MORNING**

**9:00-12:00 NOON**

**KHORASSAN ROOM**

## **Pain**

*Moderator:* Dudley Glick, D.D.S., Beverly Hills, California

### **Pain and the Effect of Strong Analgesics on the Pain Experience**

*Essayist:* Herbert Bartelstone, D.D.S., Ph.D.

The anatomical and physiological basis of pain as a sensation and the action of analgesics in the modifying of that sensation will be discussed. Emphasis will be placed on the use of strong analgesic agents to control severe pupal and post endodontic pain.

## **Craniofacial Neurology**

*Essayist:* James Ripepi, M.D., M.S., Philadelphia, Penn.

An effort will be made to discuss the problem of pain from a psychological as well as physiological point of view as it relates to the major pain syndromes of the face and head.

### **The Hydrodynamics of the Dental Tubule and of Pulp Fluid: (its significance in relation to dentinal sensitivity)**

*Essayist:* Martin Brannstrom, Doctor of Odontology, Stockholm, Sweden

Investigations will be presented which provide evidence of a hydrodynamic mechanism in the transmission of pain-producing stimuli through the dentin. Combined clinical and histologic studies as well as calculations of the capillary flow in the dentinal tubules have indicated that most pain producing stimuli remove water from the tubules. Recent capillary experiments will be shown to indicate that the sensitivity of the tooth to temperature may also be explained on the basis of hydrodynamic transmission to the pulp.

# Luncheon with Learning

12:00-2:00 P.M.

## KHORASSAN "A"

Moderator: Dr. Richard Moodnick

1. Walter Colquitt, Shreveport, Louisiana  
*"The Cracked Tooth, a Sometimes Troublesome Puzzlement"*
2. Julius Fox, Forest Hills, New York  
*"Partnership Practice in Endodontics, Advantages and Disadvantages"*
3. Alfred Frank, Los Angeles, California  
*"Endodontic Endosseous Implants"*
4. Peter Kapsimalis, Summit, New Jersey  
*"Use of Electrosurgery in an Endodontic Practice"*
5. Irving Abramson, Baltimore, Maryland  
*"Treatment of the Tooth which Manifests Periodontal and Pupal Disease"*
6. Alvin Krakow, Brookline, Massachusetts  
*"Evaluation of the Endodontic Pressure Syringe"*
7. Michael A. Heuer, Chicago, Illinois  
*"Planning your Endodontic Cases for Efficiency"*
8. William Pollack, Bronx, New York  
*"Handling Referrals with a General Practice"*
9. Samuel Seltzer, Philadelphia, Pennsylvania  
*"The Treatment of Periapical Granulomas and Cysts"*
10. Leo Zach, New York, New York  
*"What Constitutes an Ineversable Pupal Response?"*
11. Pierre R. Dow, Seattle, Washington  
*"Let's Get Rid of Silver Points or Dr. Them Right"*
12. Maury Massler, Chicago, Illinois  
*"Indirect Pulp Therapy as a Step Towards Preventive Endodontics"*

13. Herbert Schilder, Brookline, Massachusetts  
*"Control and Elimination of Discomfort in Endodontic Practice"*
14. Martin Cattoni, Houston, Texas  
*"Treatment of Periapical Lesions by Injection of Absorbable Paste"*
15. I. B. Bender, Philadelphia, Pennsylvania  
*"What Constitutes Success in Endodontics?"*
16. Melvin Goldman, Worcester, Massachusetts  
*"The Interrelationship of Periodontal and Endodontic Problems"*
17. Edward E. Beveridge, Los Angeles, California  
*"Better Pupal Diagnosis"*
18. Martin Brannstrom, Stockholm, Sweden  
*"Dentine and Pulp — Structure and Reaction"*
19. Jack Landsberg, Miami, Florida  
*"Work Simplification"*
20. Calvin Torneck, Toronto, Ontario  
*"Factors Influencing Repair Following Endodontic Treatment"*
21. Arbe BJORNDAL, Iowa City, Iowa  
*"The Complicated, Hard to Handle Endodontic Case"*
22. Louis I. Grossman, Philadelphia, Pennsylvania  
*"Intentional Replantations"*
23. Leo Grudin, Beverly Hills, California  
*"Diffusion Technique for the Posterior Teeth"*
24. Nguyen T. Nguyen, San Francisco, California  
*"Intralesion Irrigation with 9-Aminoacridine Hydrochloride"*
25. J. Henry Kaiser, Columbus, Ohio  
*"Closure of Wide Open Apices in Pulpless Teeth"*
26. Harry Blechman, New York, New York  
*"Place of microorganisms" in Endodontics"*
27. Irving Naidorf, New York, New York  
*"Intra-Canal Medication"*
28. Morris Auerbach, New York, New York  
*"Management of a Practice Devoted to Endodontics"*
29. Joseph M. Leavitt, New York, New York  
*"Interrelationship Between the Pulp and the Periodontal Membrane"*

## FRIDAY AFTERNOON

2:00-5:00 P.M. KHORASSAN ROOM

### Centennial of Gutta Percha and Pulp Testing

*Moderator:* Louis I. Grossman, D.D.S., Philadelphia, Penn.

#### 100 Years of Pulp Testing

*Essayist:* Richard L. Reynolds, D.D.S., Ann Arbor, Michigan

A review of the development of electrical pulp testing from its origin 100 years ago to the present time will be presented consisting primarily of significant published research tracing this development. Also discussed will be current concepts of electrical pulp testing as a diagnostic tool. Comments will be made on instruments in wide usage with emphasis on the most current rage, transistorized pulp testers.

#### Gutta Percha — Retrospect and Prospect

*Essayist:* James W. Bynum, D.D.S., M.S.D., St. Louis, Missouri

Dr. G. A. Bowman demonstrated the use of gutta percha points for filling root canals at a clinic held by the St. Louis Dental Society in 1867. He was the first to use this method. A review will be given of his early work as well as other history and properties of gutta percha. The present and future place of gutta percha in endodontics will be evaluated.

#### Vertical Condensation with Warm Gutta Percha

*Essayist:* Herbert Schilder, D.D.S., Boston University, Mass.

Modification of previously employed gutta percha techniques has led to a method of employing gutta percha so as to produce dense three-dimensional filling of the root canal system, including lateral canals with a high degree of consistency. A technique will be described for the vertical condensation of segments of warm gutta percha whereby the material is wedged forcibly to the apex of each root and into accessory foramina.

#### The Future of Root Canal Filling Materials

*Essayist:* Peter Kapsimalis, D.D.S., Summit, New Jersey

Improvements in endodontic filling material have yet to benefit from the scientific progress witnessed today in the technology of materials. Emphasis is placed on the need for an adhesive material and the limited research support for such undertakings. Research studies on filling and sealing materials are discussed. The point is stressed that future root canal filling material will have proper and extensive intermolecular contact with tooth structures and will be innocuous to the periapical tissues.

**SATURDAY MORNING**  
**9:00-12:00 NOON KHORASSAN ROOM**

**Healing**

*Moderator:* Sam Seltzer, D.D.S., Philadelphia, Pennsylvania

**Pulp Wound Healing**

*Essayist:* Maury Massler, D.D.S., M.S., University of Illinois

The healing potential of the pulp is much greater than has been suspected by the clinician in the past. The reparative mechanism under very deep carious lesions, after application of injurious chemical agents, and after surgical amputations will be discussed.

**Mechanisms of Pulpal Repair After Stress**

*Essayist:* Leo Zach, D.D.S., New York University

Evidence attesting to the wide range of lability of the dental pulp has recently been accumulating rapidly. The cellular and enzymatic mechanisms involved in restituting the pulp after it has been injured will be described. Histologic, histochemical and autoradiographic technics will be used to show the patterns of pulpal activity which go from changes in the stromal ground substance to regeneration of odontoblasts and elaboration of scar dentin. Clinical correlates will be followed by repair, and which may exceed the physiologic tolerance of the pulp and lead to irreversible necrosis.

**Structural Characteristics of Wound Healing**

*Essayist:* Seong S. Han, D.D.S., Ph.D., University of Michigan

Fine structural changes observed in the healing wound will be developed on the basis of recent information gained by electron microscopy, radioautography and histochemical methods. The cells in the presence of healing, including fibroblasts, neutrophils, lymphocytes and giant cells, will be illustrated in details and efforts will be made of establishing the functional significance of modifications that these cells undergo during wound healing.

**A Hypothesis for Radicular Cyst Healing Following  
Non-Surgical Endodontics**

*Essayist:* I. B. Bender, D.D.S., Philadelphia, Pennsylvania

Histologic observations will be presented to illustrate how strands of proliferated epithelium become trapped in the collagen fibers and how the epithelial cells degenerate with subsequent phagocytosis by the macrophages.

**Lunch**

**12:15-1:30 P.M.**

## PROJECTED CLINICS AND TABLE CLINICS

1:30-3:30 P.M.

Session Chairman: DR. IRVING NAIDORF

### PROJECTED CLINICS — REGENCY ROOM

Moderator: DR. JULIUS FOX

1. Drs. Donald W. Schneider; Helen C. Young  
*"A Histopathological Evaluation of Pulp Response to a Corticosteroid Antibiotic Preparation"*
2. Lt. Comdr. Malcolm S. Davis; Drs. S. W. Joseph and John F. Bucher  
*"Studies on the Acceptability of Incompletely filled Root Canals"*
3. Dr. Thomas Serene  
*"The Effects of Endodontic Media and Medicaments on Root Canal Mycoplasma"*
4. Dr. George A. Zurkow  
*"Use of the Paralleling Extension Tube X-Ray Technique in Endodontics"*
5. Dr. Edward N. Green  
*"Periodontic-Endodontic Treatment of Furcation Pathology"*
6. Dr. George Stewart  
*"Chemical Aids for a More Rapid and Complete Preparation of the Root Canal"*
7. Drs. Harold Stanley and G. Garrington and P. Kapsimalis  
*"Endodontic Actinomycosis"—"A Case Report"*

### PROJECTED CLINICS — LIDO ROOM

Moderator: DR. LOUIS GLATT

1. Dr. Jacob A. Englander  
*"Clinical Observations of Overfilled, Underfilled and Exact Root Canal Fillings"*
2. Dr. Morton G. Peschin  
*"Selected Endodontics among Debilitated Hospital Patients"*
3. Dr. E. R. Lalonde  
*"The Prevalence and Distribution of Periapical Lesions"*



4. Dr. George W. Wade  
*"Immediate Endodontics"*
5. Dr. Bertram L. Wolfsohn  
*"The Periapical Lesion with Extra-Oral Manifestations"*
6. Dr. Alvin Krakow  
*"The Endodontic Pressure Syringe"*

#### **TABLE CLINICS — COACH ROOM**

1. Dr. Duane E. Compton  
*"Bleaching of Discolored Teeth"*
2. Dr. Stephen Cohen  
*"A Permanent Internal Splint for a Fractured Incisor"*
3. Dr. Fred Goodman and Dr. Harold Levin  
*"Canal Obturation with Hot Gutta Percha and Cement"*
4. Dr. Howard Blum  
*"Endodontic Management of Fractured Roots"*

#### **BUSINESS MEETING**

**3:30 P.M.**

#### **COCKTAIL PARTY**

Tiara Lounge

**6:00 P.M.**

#### **BANQUET**

Tiara Room

**7:00 P.M.**

**7:00 P.M.**

### **BANQUET AND INSTALLATION OF OFFICERS**

TIARA ROOM

Guest Speaker

**MR. JACK BUCK**

## SUNDAY MORNING

9:00-12:00

*Chase* KHORASSAN ROOM

### MANAGEMENT OF ENDODONTIC PRACTICE

#### **The Unique Relationship of a Specialist and the Referred Patient**

*Essayist:* Pierre R. Dow, D.D.S., University of Washington

An attempt will be made to clarify the relationship of a specialist and a referred patient in its contrasts to general practice. The subtleties of human response to strange or pre-conceived situations will be explored and the dental office environment explored from the patient's point of view.

#### **Efficiency in the Office or Simplification in Endodontics**

*Essayist:* Jack Landsberg, D.D.S., M.S., Miami, Florida

The management of an efficient office will be discussed, including charts, records, equipment, dark room procedures, business machines, collection of accounts, supply system and a procedure book for breaking in new girls and refreshing on infrequent procedures.

#### **Your Relationship with the Referring Dentist**

*Essayist:* Dr. Morris B. Auerbach, D.D.S., New York, New York

Your line of communication with the referring dentist is the best way to create a good image. This talk will concern itself with general statements implemented with specific methods of creating a good relationship with the referring dentist.

### BIOGRAPHICAL SKETCHES OF OUR ESSAYISTS

#### ■ **DR. HERBERT BARTELSTONE**

Dr. Herbert Bartelstone received his D.D.S. and Ph.D. degrees from Columbia University where he is presently a regular lecturer. He is interested in and involved with research in cardiovascular physiology. Dr. Bartelstone is the author of many articles on dental as well as pharmacological subjects.

He is a member of the New York Academy of Dentistry, the New York Academy of Medicine, the Harvey Society, and the American Society of Pharmacology and Experimental Therapeutics.

▪ **DR. JAMES RIPEPI**

Dr. James Ripepi is Chief of Neurology and Psychiatry at the Methodist Hospital and St. Joseph's College in Philadelphia, Penn. Dr. Ripepi is primarily interested in extrapyramidal disorders and syringovascular lesions and is presently a graduate student and candidate for his Ph.D. degree in philosophy.

Dr. Ripepi is Acting Chief of the Neurological Service at Philadelphia General Hospital, Jefferson Medical College Division; Assistant in Neurology in Lankeau Hospital, Philadelphia; Associate Professor in Neurology at Jefferson Medical College; and Visiting Consultant in Neurology and Psychiatry to Cambdon County Psychiatric Hospital, New Jersey. He received his M.D. degree from Jefferson Medical College and his M.S. degree from the University of Minnesota. He is married and the father of four children.

▪ **DR. MARTIN BRANNSTROM**

Dr. Martin Brannstrom is an Assistant Professor in the Department of Oral Histopathology at the Royal School of Dentistry, Stockholm, Sweden. As a teacher he is primarily engaged in basic experimental research. Dr. Brannstrom is also a private practitioner.

A lecturer in many European countries, Dr. Brannstrom was gracious to accept our invitation to speak on dental sensitivity and the mechanism of pain and to also head a table clinic during the Luncheon For Learning.

Dr. Brannstrom is the author of some 35 papers dealing mainly with dentinal and pulpal response and studies on the mechanism of pain elicited and dentin.

▪ **DR. RICHARD L. REYNOLDS**

Dr. Richard Reynolds received his D.D.S. degree from the University of Michigan in 1957. His experience from 1957 to 1963 included four years of military service and two years of private practice. Dr. Reynolds then returned to the University of Michigan as a graduate student and instructor in oral diagnosis. In 1965 he received his M.S. degree and an appointment as Assistant Professor of Oral Diagnosis and Consultant to the University Employee's Periodic Health Evaluation Program.

▪ **DR. JAMES W. BYNUM**

Dr. James Bynum is Assistant Professor of Oral Pathology at St. Louis University, School of Dentistry. It was here that he received his D.D.S. degree in 1952 and his M.S.D. degree in Oral Pathology in

1959. Formerly, Dr. Bynum was an instructor in Oral Medicine and Oral Pathology at St. Louis University Dental School.

▪ **DR. HERBERT SCHILDER**

*Vertical Condensation & Warm G.P.*

Dr. Herbert Schilder received his D.D.S. degree at New York University in 1953 and went on to serve in the Army Dental Corps as an endodontist for the next two years. In 1956 he served as Head of the Endodontic Section at Beth Israel Hospital in Boston and in 1958 served as Head of the Endodontic Section, Stomatological Service at Boston University Medical Center. During this time Dr. Schilder also taught at Tufts University, Mass. and Temple University, Pennsylvania. He is presently Associate Professor and Chairman of the Department of Endodontics at Boston University School of Graduate Dentistry.

He is a Diplomate, American Board of Endodontics; Fellow, International College of Dentists; member, House of Delegates, Mass. Dental Society; Secretary of the Greater Boston Dental Society; member of the International Association for Dental Research; and numerous other national scientific organizations.

Dr. Schilder has contributed to several books and has published articles in scientific journals. He also made a teaching film in 1964 on "Nonsurgical Endodontics."

▪ **DR. PETER KAPSIMALIS**

*Future of R.C. Filling Materials*

Dr. Peter Kapsimalis has devoted the past twenty years to research. A former research chemist for Colgate Palmolive Peet and Schering Corporation, he is currently Adjunct Professor of Dental Research at Temple University School of Dentistry, where he received his D.D.S. and M.S. degrees.

Dr. Kapsimalis is a Member of Omicron Kappa Upsilon, Sigma XI, and numerous scientific and dental organizations. He has presented and published over twenty technical papers in the field of endodontics and dental materials. Currently, Dr. Kapsimalis limits his practice to endodontics in Summit, New Jersey.

▪ **DR. MAURY MASSLER**

Dr. Maury Massler is Professor of Pedodontics and Assistant Dean for postgraduate and teacher education at the University of Illinois where he received his D.D.S. and M.S. degrees. His experience at the University has included appointments as Professor of Oral Histology, Head of the Department of Pedodontics, Director of the Child Research Clinic, and lecturer in Stomatology and Oral Medicine.

Dr. Massler's vocation has taken him to many foreign countries. He was Visiting Professor and Educational Consultant to dental schools in Italy in 1945; to Germany in 1951; to South America in 1951 and 1961; to India and Australia in 1960; and to Colombia in 1965. In 1960 Dr. Massler was Fulbright Professor at the Hebrew University School of Dental Medicine in Israel.

Dr. Massler has published some 260 papers in scientific journals; has contributed to four textbooks, and has been co-author of two textbooks. He is listed in American Men of Science.

▪ **DR. LEO ZACH**

Dr. Leo Zach is Assistant Professor of Pathology at New York University College of Dentistry. Dr. Zach received his D.D.S. degree from Columbia University in 1946. He is a member of Sigma XI, Omicron Kappa Upsilon, a Fellow of the American College of Dentistry, Fellow of the American Academy of Oral Pathology, and Chairman of the New York Section of International Association of Dental Research.

Dr. Zach has published 28 papers on histology and oral pathology and has received numerous grants to study problems as they relate to endodontics.

▪ **DR. SEONG S. HAN**

Dr. Seong S. Han was born in 1933 and received his D.D.S. degree from Seoul National University, Korea in 1956. In 1961 Dr. Han received his Ph.D. degree from the University of Michigan where he was a teaching fellow and Research Associate in Anatomy and Assistant Professor of Dentistry. He continued at the University of Michigan and is presently Associate Professor of Dentistry.

Dr. Han is a member of the American Society for Cell Biology, Sigma XI, Omicron Kappa Upsilon, American Association of Anatomists, Korean Dental Association, and numerous other national and international scientific organizations.

In the past, Dr. Han was actively involved in research on pulp studies. His present field of interest is in connective tissue and reticuloendothelial system.

▪ **DR. I. B. BENDER**

Dr. Bender is Associate Professor in Oral Medicine, School of Dental Medicine and Assistant Professor, Graduate School of Medicine, University of Pennsylvania. He is Chairman of the Department of Dentistry, Albert Einstein Medical Center.

Dr. Bender is Editor, Endodontic section, Oral Surgery, Oral Medicine and Oral Pathology and co-author of the book THE DENTAL PULP. He is author of over 70 articles dealing with oral medicine and endodontics.

▪ **DR. PIERRE R. DOW**

Dr. Pierre R. Dow received his D.D.S. degree from the University of Washington in 1952 where he is currently Associate Professor in Endodontics. Dr. Dow has been actively involved with clinics in endodontics for 15 years and has had a private practice for 14 years. Dr. Dow is a Diplomate of the Board of Endodontics and a Fellow of the American College of Dentists. He has also published many articles in scientific journals.

▪ **DR. JACK LANDSBERG**

Dr. Jack Landsberg is Chairman of the Department of Endodontics at the Dade County Dental Research Clinic. He received his D.D.S. and M.S. degrees from the University of Michigan where he was also an instructor in the Department of Periodontics.

Dr. Landsberg is a Fellow of the American Association of Endodontics, a Diplomate of the American Board of Endodontics, Past-President of the Dade County Dental Research Clinic and Past-President of Alpha Omega Dental Fraternity.

▪ **DR. MORRIS B. AUERBACH**

Dr. Auerbach is a charter member of the American Association of Endodontists, a Diplomate of the American Board of Endodontics, and a Fellow of the American College of Dentists.

He is a professor of Endodontia and Chairman of the Department of Endodontia at New York University, College of Dentistry.

AMERICAN ASSOCIATION OF ENDODONTISTS  
1966-67 COMMITTEE APPOINTMENTS

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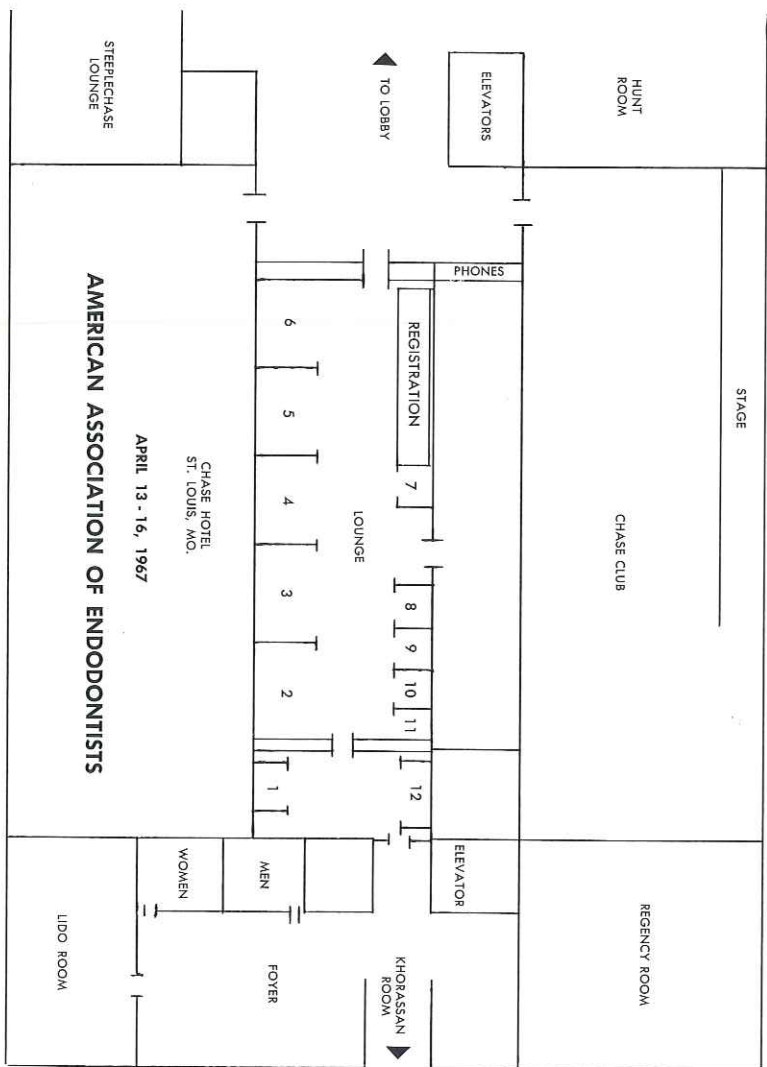
**SCIENTIFIC EXHIBIT**  
**CHARTS AND CHATTER IN ENDODONTICS**

By DR. MANUEL I. WEISMAN

**COMMERCIAL EXHIBITORS**  
for the  
**ANNUAL MEETING**  
of the  
**AMERICAN ASSOCIATION OF ENDODONTISTS**

<i>Company</i>	<i>Booth Number</i>
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Pulpdent Corporation of America.....	8
Lester A. Dine, Inc.....	7
Star Dental Manufacturing Co., Inc.....	3
Charles B. Schwed Company, Inc.....	4
Union Broach Company, Inc.....	1
Mynol Chemical Company.....	6
Kerr Manufacturing Company.....	5
C. V. Mosby Company Publishers.....	12
Young Dental Mfg. Company.....	10
Lea and Febiger.....	9

# EXHIBIT DIAGRAM



## RECOMMENDED RESTAURANTS

### Downtown:

- TRADER VICS—Polynesian Foods, Steaks, 4th & Washington  
MAYFAIR ROOM—Mayfair Hotel, 806 St. Charles  
THE CREST HOUSE—National Stockyard's Own Steaks, Broadway  
& Chestnut  
RATHSKELLER—Lennox Hotel, 825 Washington  
STORK CLUB—4207 Lindell  
TONY'S—Steaks and Italian Food, 826 N. Broadway  
RIVER QUEEN—Wharf, foot of Washington Avenue

### Mid-town:

- RUGGERI'S—Famous for Steaks and Lobsters, 2300 Edwards  
BEVO MILL—German Cuisine, 4749 Gravois  
STAN MUSIAL & BIGGIE'S—5130 Oakland  
NANTUCKET COVE—Seafoods at their Best, Kingshighway at W. Pine  
THE THREE FOUNTAINS—4306 Gaslight Square  
CHESHIRE INN & LODGE—Clayton at Skinker

### West-end:

- CLAYTON INN—Charm of an English Tavern, 7750 Carondelet Ave.  
THE WRECK (Underwater Bar) Clayton Inn—Unique Atmosphere  
BUSCH'S GROVE—9160 Clayton Road  
TOP OF THE 230—Dining in the Sky, 230 South Bemiston  
SCHNEITHORST'S—West Lindbergh and Clayton Road

### Lunch:

(Within walking distance of the chase)

- HENRICI'S—4630 Lindell  
DIPLOMAT MOTEL—433 N. Kingshighway  
DEVILLE MOTEL—4483 Lindell