

THE AMERICAN ACADEMY OF CROWN AND BRIDGE PROSTHODONTICS

FUTURE MEETINGS

FEBRUARY 20, 21 1988

FEBRUARY 18, 19 1989

FEBRUARY 10, 11 1990



THIRTY-SEVENTH ANNUAL MEETING

FEBRUARY 20, 21, 1988

**CHICAGO MARRIOTT HOTEL
CHICAGO, ILLINOIS**

THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF CROWN AND BRIDGE PROSTHODONTICS

The American Academy of Crown and Bridge is the leading national voice of crown and bridge prosthodontics. Its membership is composed of educators, clinical practitioners and researchers of this important discipline of dentistry.

The purpose of this organization is to achieve by mutual study and cooperation, activities reflecting a high and ethical standard of practice as well as teaching and research in the art and science of crown and bridge prosthodontics.

The Academy had its origin in 1950, in Chicago, Illinois. The three men who deserve credit for the concept and preliminary plan for the Academy were: Dr. Stanley D. Tylman, Dr. Claude R. Baker and Dr. George H. Moulton. These men of vision rallied other important leaders in the crown and bridge field to actively support their cause. Together they planned an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were: Doctors Stanley D. Tylman, Arthur O. Klaffenbach, Robert P. Dressel, Alver Selberg, Charles E. Peterka, Earl A. Nelson, Claude R. Baker and George H. Moulton. Dr. Baker was chosen temporary chairman and Dr. Moulton temporary secretary.

The next meeting was at French Lick, Indiana on March 19, 1951 where the tentative Constitution and By-Laws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952 in Chicago, making this the first annual meeting of the Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of 403.

Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Jesse Bullard,
Historian



PRESIDENT'S MESSAGE

WILLIAM D. CULPEPPER, DDS, FACD

I welcome the members, guests, and clinicians to the Thirty-Seventh Meeting of the American Academy of Crown and Bridge Prosthodontics.

The Academy represents a coalition of diverse groups on both the national and international level. The role of your organization includes clinicians, educators, and researchers. We are proud of this coalition. It has provided us with clinical and scientific challenges in the best tradition of Prosthodontics.

This Annual Meeting gives each of us the opportunity to continue our educational pursuits. Once again we can renew our enthusiasm and sharpen our intellect. Additionally, we have the occasion to renew old friendships, a tradition we have long enjoyed.

I invite you to take advantage of these circumstances and, above all, enjoy yourself.

PAST PRESIDENTS

* Claude R. Baker	1952-53
* Robert P. Dressel	1954
* E. David Shooshan	1955
* Earl Allen Nelson	1956
L. Walter Brown, Jr.	1957
George H. Moulton	1958
* Francis B. Vedder	1959
* Stanley D. Tylman	1960
* William H. Hagan	1961
Everett Carl Brooks	1962
Ernest B. Nuttall	1963
Fred Norman Bazola	1964
John D. Adams	1965
* Robert Conley Zeisz	1966
* Willis Edward Corry	1967
Joseph E. Ewing	1968
* E. Edward Kraus	1969
Raymond M. Contino	1970
Douglas H. Yock	1971
Philip Williams	1972
Douglas M. Lyon	1973
Kenneth N. Morrison	1974
Robert Sheldon Stein	1975
* John M. Schlick	1976
Charles L. Ziegler	1976
Charles J. King	1977
Samuel E. Guyer	1978
Roland W. Dykema	1979
Wade H. Hagerman, Jr.	1980
Robert D. Jeronimus	1981
Lloyd L. Miller	1982
John H. Emmert	1983
Alfred C. Macaluso	1984
Ernest B. Mingledorf	1985
Herbert Ptack	1986
Ralph A. Yuodelis	1987

* Deceased

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Louis Juliano

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Denny Smith
William Malone
Edwin Riley
Roger Harper

FRIDAY, FEBRUARY 19, 1988

5:00 PM	Early Registration (Members and Guests)
6:30 PM	Dinner for Active and Associate Members (Sorry, No Guests)
8:00 PM	Annual Business Meeting for Active and Associate Members Only (No Guests) Old Business Committee Reports New Business Nomination and Election of Officers

PROGRAM CHAIRMAN



Dr. Ronald D. Woody

PROGRAM COMMITTEE



Dr. Thomas Balshi



Dr. Frank Celenza
Ex Officio

5.

PROGRAM SYNOPSIS
SATURDAY, FEBRUARY 20, 1988
Salon III, 7th Floor Ballroom

**"FIXED PROSTHODONTICS 1988,
THE ART AND SCIENCE"**

- 7:00 AM Registration — Foyer, 7th Floor Ballroom
- 7:30 AM Continental Breakfast — 7th Floor Foyer
- 8:00 AM Presidential Greetings
Dr. William D. Culpepper
- 8:15 AM— Enhancing Anterior Restorative Results with
9:10 AM Orthodontic Therapy
Dr. Vincent G. Kokich
- ✓ 9:10 AM— The Role of Periodontal Antimicrobial Agents
10:00 AM in Prosthodontic Therapy
Dr. Kenneth S. Korman
- 10:00 AM— The Stanley D. Tylman Award Competition
11:00 AM Dr. Kenneth A. Turner, Chairman

10:00 AM: Eric M. Langenwaller
The University of Iowa

"The Dimensional Stability
of Elastomeric Impression
Materials Following Disinfection"

Dr. Steven A. Aquilino,
Sponsor

10:15AM: Lionel B. Pelletier
Harvard University

"Evaluation of the Relationship
Between Anterior and
Posterior Functionally Disclusive
Angles: Study of a
Population."

Dr. Douglas A. Atwood,
Sponsor

6.

PROGRAM SYNOPSIS
SATURDAY, FEBRUARY 20, 1988
Salon III, 7th Floor Ballroom

10:30 AM: Susan E. Brackett
The University of Iowa

"An Evaluation of Porcelain
Strength and the Effect of
Surface Treatment."

Dr. Kenneth A. Turner,
Sponsor

"VENEERING CHOICES 1988"

11:00 AM— Alternatives for the Esthetic Crown
12:00 PM Dr. Lloyd L. Miller

12:00 PM— Luncheon — Salon II, 7th Floor Ballroom
2:00 PM Luncheon Speaker:
CDR Randy Cunningham
Dean, National University
School of Aerospace Studies

2:00 PM— Marginal Integrity of Esthetic Crown Systems:
2:45 PM The Tissue — Restoration Interface
Dr. John A. Sorensen

2:45 PM— Composite Bonded Etched Porcelain Restora-
3:30 PM tions
Dr. Richard D. Roblee

3:30 PM— A Four Year Clinical Evaluation of Microfilled
4:15 PM Crown and Bridge Resins
Dr. Robert A. Strohaber

4:15 PM— Esthetic Without the Use of Ceramo-Metal
5:00 PM Crowns
Dr. Raymond M. Contino

5:15 PM— Annual Cocktail Reception
6:45 PM Salon II, 7th Floor Ballroom

PROGRAM SYNOPSIS
SUNDAY, FEBRUARY 21, 1988
Salon III, 7th Floor Ballroom

7:00 AM— Breakfast — Salon II, 7th Floor Ballroom
8:00 AM

8:00 AM— Diagnosis Planning and Treatment Complications
9:00 AM for Facial Esthetics and Osseointegrated Prosthe-
sis

Dr. Thomas J. Balshi

9:00 AM— Treatment Considerations for the Chronic Pain
9:45 AM Patient

Dr. Robert E. Bates

9:45 AM— Centric and Eccentric Occlusal Disturbances on
10:30 AM the Basis of Intraoral Recordings Using the
Functiograph
Professor Doctor Maria Kleinrok

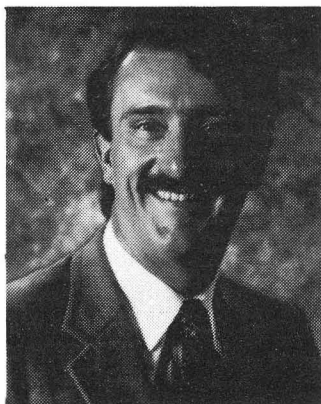
10:30 AM— Biocompatibility of Prosthodontic Materials
11:30 AM Dr. Dennis C. Smith

11:30 AM— The American Academy of Crown and Bridge
12:00 PM Prosthodontics Small Grant Program Report:
"The Role of Cast Metal Systems as Etiologic
Agents in Oral Disease"
Dr. Terry D. Rees

12:00 PM— Genetic Engineering in Dentistry
12:45 PM Dr. Harold C. Slavkin

12:45 PM Adjournment of Thirty-Seventh Annual Scientific
Session

Saturday, Feb. 20, 1988
8:15 AM — 9:10 AM



VINCENT G. KOKICH, DDS, MSD

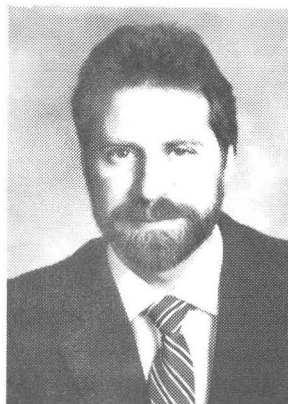
**"ENHANCING ANTERIOR RESTORATIVE
RESULTS WITH ORTHODONTIC THERAPY"**

SYNOPSIS: Proper anterior tooth position is an important factor in producing ideal crown and bridge esthetics. In some patients, trauma, abrasion, and congenital absence of anterior teeth permits compensatory eruption and drifting, which can compromise the final restorative result. This presentation will describe orthodontic methods for overcoming poor tooth position in order to enhance anterior crown and bridge esthetics.

CURRICULUM VITAE: Dr. Kokich is Professor and Director of Graduate Research in the Orthodontic Department at the University of Washington. He also maintains a private orthodontic practice in Tacoma, Washington. He has published six book chapters, 35 scientific articles and 48 review articles. He has lectured throughout the United States and in Switzerland, France, Mexico, Brazil and Canada. He is a diplomate of the American Board of Orthodontics and a reviewer for the American Journal of Orthodontics.

9.

Saturday, Feb. 20, 1988
9:10 AM — 10:00 AM



KENNETH S. KORNMAN, DDS, PhD

**"THE ROLE OF PERIODONTAL
ANTIMICROBIAL AGENTS IN PROSTHODONTIC
THERAPY"**

SYNOPSIS: In recent years our knowledge of the causes of periodontal diseases has changed dramatically with a greater understanding of the role of specific bacteria in the disease process.

During this period, data has emerged to suggest that prosthodontic therapy may selectively alter the oral microbial flora such that periodontal disease progression is hastened. This presentation will review the current concepts of the cause of periodontal diseases, the role of prosthodontics in these concepts, and how antimicrobial agents may be of value in management of periodontal-prosthodontic cases.

CURRICULUM VITAE: Dr. Kornman is Professor and Chairman of the Department of Periodontics and Professor of Microbiology of the University of Texas Health Science Center at San Antonio. He is currently involved in studies on new approaches to the diagnosis and treatment of periodontal diseases. Dr. Kornman was previously on the staff at the University of Connecticut Health Center and maintained a private practice in periodontics in Manchester, Connecticut.

10.

Saturday, Feb. 20, 1988
10:00 AM – 11:00 AM

**THE STANLEY D. TYLMAN AWARDS
COMPETITION
CHAIRMAN: KENNETH A. TURNER, DDS**

ESSAY CONTEST FINALISTS

10:00 AM— "The Dimensional Stability of Elasto-
10:15 AM meric Impression Materials following
Disinfection."

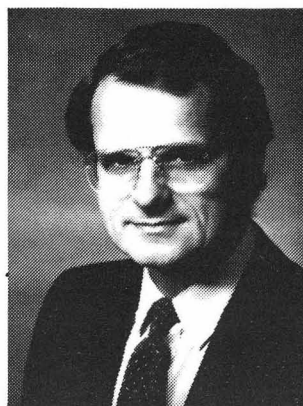
Eric M. Langenwaller
The University of Iowa
Iowa City, Iowa
Sponsor: Dr. Steven A. Aquilino

10:15 AM— "Evaluation of the Relationship Between
10:30 AM Anterior and Posterior Functionally
Disclusive Angles: Study of a Popula-
tion."

Lionel B. Pelletier
Harvard University
Boston, Massachusetts
Sponsor: Dr. Douglas A. Atwood

10:30 AM— "An Evaluation of Porcelain Strength
10:45 AM and the Effect of Surface Treatment."

Susan E. Brackett
The University of Iowa
Iowa City, Iowa
Sponsor: Dr. Kenneth A. Turner



Saturday, Feb. 20, 1988
11:00 AM – 12:00 PM

LLOYD L. MILLER, BS, DMD

**"ALTERNATIVES FOR THE
ESTHETIC CROWN"**

SYNOPSIS: This essay presents the various esthetic crowns now available: Metal-Ceramic, Porcelain Jacket Crowns (Feldspathic and Aluminous), Dicor, Cerestore, Renaissance, Hi-Ceram and Resins. The selection, construction, fit and appearance will be examined in order to provide the best health service to our patients.

CURRICULUM VITAE: Dr. Miller has served as President of the American Academy of Crown and Bridge Prosthodontics and is presently the President of American Academy of Esthetic Dentistry. He is a Fellow of the American and International College of Dentists, and is Clinical Professor of the Graduate and Post graduate Prosthodontics at Tufts University. He maintains a private practice and private laboratory, the Gnathos Dental Laboratory. He has personally funded research projects in framework design and color, and has been active nationally and internationally in presentations of essays and seminars on Fixed Prosthodontics.

Saturday, Feb. 20, 1988
12:00 PM — 2:00 PM

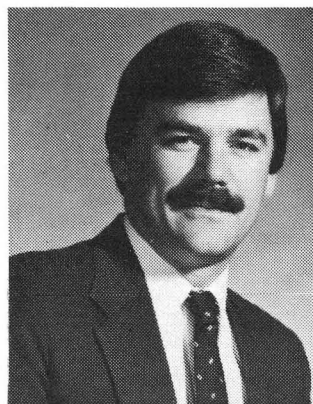


CDR RANDY CUNNINGHAM

CURRICULUM VITAE: CDR Cunningham holds two Masters Degrees and is presently working toward a Ph.D. in business. He was a high school and college swimming coach and produced 36 high school All-Americans. Four of his swimmers won gold and silver medals in the Olympic Games. CDR Cunningham was America's first Ace in Vietnam. He was Top Gun instructor for four years and was Commanding Officer of the Elite Navy Aggressor Squadron which flies Russian tactics and formations against U.S. Air Strike Forces. He is presently the Dean of the National University School of Aerospace Studies, and is the Director of Flight Operations for 12 National University Campuses. He is the recipient of numerous military Awards and Commendations, author of a book, and has presented numerous lectures throughout the country.

13.

Saturday, Feb. 20, 1988
2:00 PM — 2:45 PM



JOHN A. SORENSEN, BA, DMD

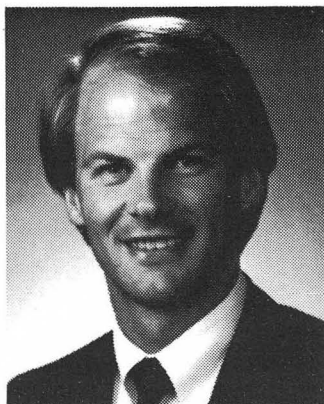
**"MARGINAL INTEGRITY OF ESTHETIC
CROWN SYSTEMS:
THE TISSUE RESTORATION INTERFACE"**

SYNOPSIS: This presentation reviews the marginal fidelity of various crown systems with particular attention to their potential impact on long term gingival health. The marginal integrity of Ceraparl, Cerestore, Dicor, Hi-Ceram, Renaissance and Vitadur-N crown systems, and porcelain labial margin techniques are compared. S.E.M. analysis is employed to determine marginal contour, linearity and surface smoothness. Methods for minimization of iatrogenic periodontal disease and reduction of plaque at the crown margin are discussed.

CURRICULUM VITAE: Dr. Sorensen is Assistant Professor and Co-Director of Graduate Prosthodontics at U.C.L.A. School of Dentistry. He is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontics and a member of the Pacific Coast Society of Prosthodontics, ADA, AADR and IADR. He maintains a private practice limited to prosthodontics.

14.

Saturday, Feb. 20, 1988
2:45 PM — 3:30 PM



RICHARD D. ROBLEE, DDS

**"COMPOSITE BONDED ETCHED
PORCELAIN RESTORATIONS"**

SYNOPSIS: Composite luting resins have been shown to have strong strengths to etched enamel and porcelain systems. This strong bond enables etched porcelain to be used for esthetic, conservative, anterior and posterior restorations. The basic principles, indications, and contraindications for these restorations will be discussed, as well as some of their numerous possibilities.

CURRICULUM VITAE: Dr. Roblee maintains a general and restorative dentistry practice in Dallas, Texas and is a part-time clinical instructor and guest lecturer at Baylor College of Dentistry, Dallas, Texas. He has presented numerous lectures on resin bonding of porcelain systems and is the recent recipient of the Cooley Award presented by the Texas State Dental Association.

15.

Saturday, Feb. 20, 1988
3:30 PM — 4:15 PM



ROBERT A. STROHAVER, AB, DDS, MSc

**"A FOUR YEAR CLINICAL EVALUATION OF
MICROFILLED CROWN AND BRIDGE RESINS"**

SYNOPSIS: Interest in microfilled resins as alternatives to dental porcelain has developed because resins are unlikely to abrade opposing dentitions, they can be easily repaired in the mouth and no special metal is required as a foundation. These resins have been used for veneers on crowns and bridges, jacket crowns, inlays, laminates, custom teeth on removable appliances, pontics on resin bonded bridges and long-term provisional splints. SEM data and scarce in-vivo information provide insight into the performance and utility of these resins.

CURRICULUM VITAE: Dr. Strohaber is a Diplomate of the American Board of Prosthodontics and an Associate Professor at the Medical University of South Carolina, College of Dental Medicine. He has recently changed careers from USAF clinical prosthodontics to university teaching, research and faculty practice.

16.

Saturday, Feb. 20, 1988
4:15 PM — 5:00 PM



RAYMOND M. CONTINO, DDS
**"ESTHETICS WITHOUT THE USE OF
CERAMIC METAL CROWNS"**

SYNOPSIS: In rebuilding a tooth, or groups of teeth, or for that matter an entire mouth, the beauty that a patient and the dentist is concerned with demands far more consideration than merely using a tooth colored material.

Cosmetic dentistry is all things to all people. However, in the area of fixed prosthodontics, it is best achieved by the dentist who first restores and maintains the health of the remaining tissues, and then selects the right materials that will protect that which remains of the teeth. Bio-mechanics and bio-compatibility go hand in hand in creating a pleasing result.

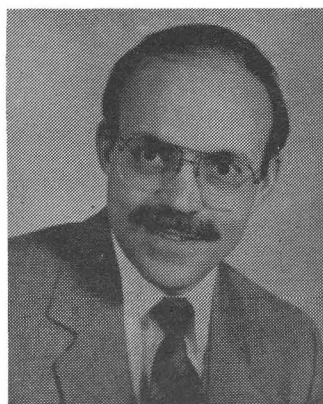
The objective of this discussion is to point out how dental health and a natural appearance may be achieved and preserved without the time consuming fitting, frustrating occlusal corrections, disappointments in shade selection, and worst of all disastrous remakes.

CURRICULUM VITAE: Dr. Contino received his dental degree from the University of Southern California and has a private practice in Pasadena, California. He is a fellow of the International and American Colleges of Dentists, a past president of the American Academy of Crown and Bridge Prosthodontics and the American Academy of Esthetic Dentistry. He is a member of the American Academy of Restorative Dentistry, Pierre Fauchard Academy, Academy of General Dentistry, and a consultant at the Veterans Hospital in Los Angeles.

A post-graduate instructor at many universities throughout this country and abroad, Dr. Contino has also been a featured speaker at numerous state and regional meetings. He has participated in television demonstrations of operative procedures and is the author of published papers as well as the producer of dental motion pictures.

17.

Sunday, Feb. 21, 1988
8:00 AM — 9:00 AM



THOMAS J. BALSHI, DDS

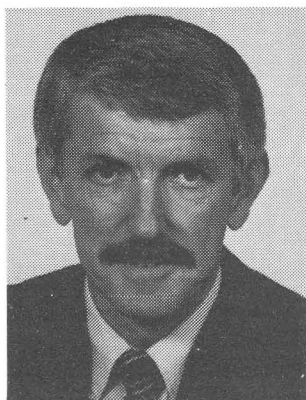
**"DIAGNOSIS PLANNING AND TREATMENT
COMPLICATIONS FOR FACIAL ESTHETICS AND
OSSEOINTEGRATED PROSTHESIS"**

SYNOPSIS: Esthetics for oral reconstruction go well beyond tooth morphology. The predictability of osseointegration permits full oral and facial support rehabilitation for patients previously compromised by oral debilitation. Accurate data gathering with critical analysis, including pre-operative projections, will predict the final restoration and its effect on facial and oral esthetics. Anatomic configurations often complicate the prosthodontic treatment. Prior recognition of potential complications permit thorough treatment planning and better patient management.

CURRICULUM VITAE: Dr. Balshi is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontists, and a faculty member of Temple Dental Graduate Prosthodontics. His private practice is limited to fixed and implant prosthodontics. He is a director of the Institute for Facial Esthetics and he has authored and co-authored many articles on esthetics, treatment planning and implant prosthodontics.

18.

Sunday, Feb. 21, 1988
9:00 AM — 9:45 AM



ROBERT E. BATES, JR, DDS, MS

**"TREATMENT CONSIDERATIONS FOR THE
CHRONIC PAIN PATIENT"**

SYNOPSIS: Patients with chronic pain and/or neurotic occlusal fixations are fortunately rare in the dental practice. However, when these patients are encountered, they can be difficult and frustrating to treat. Aids to recognizing these patients and suggestions on their management will be presented.

CURRICULUM VITAE: Dr. Bates received his D.D.S. degree in 1970 and his M.S. in Prosthodontics from the University of Nebraska College of Dentistry. He was in private practice from 1970 - 1974 when he joined the faculty at Nebraska. He joined the faculty of the University of Florida College of Dentistry in 1984 in the Department of Occlusion and Fixed Prosthodontics. He currently is the Director of Clinics and the Associate Director of the Facial Pain Clinic. He has published in a number of professional journals, and has lectured in the United States and abroad.

19.

Sunday, Feb. 21, 1988
9:45 AM — 10:30 AM



MARIA KLEINROK, Professor Doctor

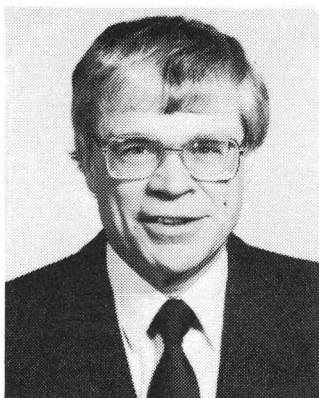
**"CENTRIC AND ECCENTRIC OCCLUSAL
DISTURBANCES ON THE BASIS OF
INTRAORAL RECORDINGS USING
THE FUNCTIOGRAPH"**

SYNOPSIS: The "Functiograph according to Kleinrok" is an intraoral tracing device which enables us to record both the gothic arch and the tooth contact movements on the same tracing plate. With the movable stylus it is possible to record both the CRO, the CO and the slide between them as well as all possible eccentric tooth contact movements. On the basis of the intraoral functiograms occlusal problems were classified in a practical classification of normal, acceptable and unacceptable centric and eccentric occlusion.

CURRICULUM VITAE: Professor Kleinrok is the head of the Department of Prosthetic Dentistry and of the Subdepartment of Craniomandibular Dysfunctions at the Medical Academy in Lublin, Poland. She is the President of the Polish Stomatological Association — Section in Lublin and an elected member of the council of the European Prosthodontic Association. She has published about 140 articles, including a book on occlusion.

20.

Sunday, Feb. 21, 1988
10:30 AM — 11:30 AM



DENNIS C. SMITH, MSc, PhD, FRSC

**"BIOCOMPATIBILITY OF
PROSTHODONTIC MATERIALS"**

SYNOPSIS: Recent developments in restorative and preventive materials have resulted in new products and techniques that present the prosthodontist with difficult questions in selection and use of new materials. Controversies on intraoral corrosion, mercury release, nickel allergy, sensitivity to resin systems and pulp response to new lining and cementation materials are a few of the problems exciting debate. These and other questions will be discussed and reviewed on a practical problem-solving basis.

CURRICULUM VITAE: Dr. Smith was born in Lincoln, England, where he obtained his Ph.D. in Dental Materials at the University of Manchester. He has been Professor of Biomaterials at the University of Toronto since 1969 where he is currently also Director of the Center for Biomaterials.

21.

Sunday, Feb. 21, 1988
11:30 AM — 12:00 PM



TERRY D. REES, DDS, MSD

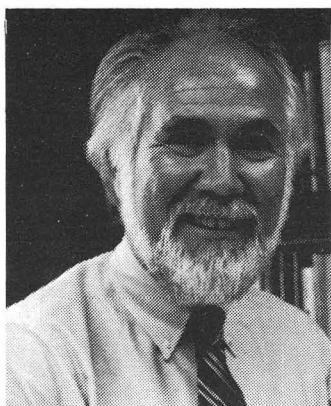
**"THE ROLE OF CAST METAL SYSTEMS AS
ETIOLOGIC AGENTS IN ORAL DISEASE"**

SYNOPSIS: Patients suffering from a variety of oral mucosal disorders have been investigated in an effort to develop useful diagnostic tests in determining the possible role of cast metal systems as etiologic agents for the disorders. Patient evaluation included; quantitative tissue analysis for the presence of metallic ions; patch testing against appropriate metals, histologic and immunologic examination of biopsy specimens and appropriate blood studies. This discussion will describe preliminary findings from the study which is supported by grant from the American Academy of Crown and Bridge Prosthodontists.

CURRICULUM VITAE: Dr. Rees is a Diplomate of the American Board of Periodontology and the American Board of Oral Medicine. He is Professor and Chairman of the Department of Periodontics and Director of the Stomatology Center, Baylor College of Dentistry.

22.

Sunday, Feb. 21, 1988
12:00 PM — 12:45 PM



HAROLD C. SLAVKIN, DDS

"GENETIC ENGINEERING IN DENTISTRY"

SYNOPSIS: We are living in a "biological revolution" attendant with untold promises as well as uncertainty for the 21st century. Genetic engineering in dentistry now offers remarkable opportunities for improved diagnosis, treatment, prevention and the production of new and novel biomaterials. The challenges and utilization of biotechnology in dentistry will be discussed.

CURRICULUM VITAE: Dr. Harold C. Slavkin is Professor of Biochemistry and Laboratory Chief of the Laboratory for Developmental biology, School of Dentistry, at the University of Southern California in Los Angeles. He maintains an active research program designed to understand the molecular genetics of tooth form, enamel, dentine and cementum.

23.

**AMERICAN ACADEMY OF
CROWN AND BRIDGE
PROSTHODONTICS**

ROSTER — 1987-1988

ACTIVE MEMBERS

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