

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS



FUTURE MEETING DATES

FEBRUARY 19, 20, 1993

FEBRUARY 25, 26, 1994

FEBRUARY 24, 25, 1995

FORTY FIRST ANNUAL MEETING

FEBRUARY 14, 15, 1992

**CHICAGO MARRIOTT HOTEL
CHICAGO, ILLINOIS**

THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Crown and Bridge has been, and under its new name, The American Academy of Fixed Prosthodontics, approved in February 1991, will continue to be the leading national voice of fixed prosthodontics. Its membership is composed of educators, clinical practitioners, and researchers of this important discipline of dentistry.

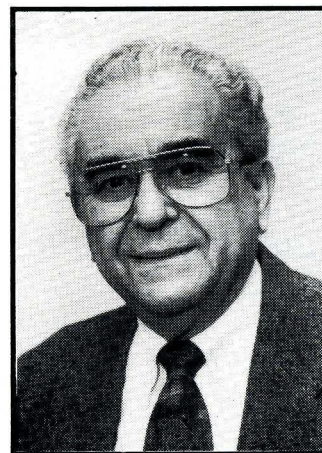
The purpose of this organization is to achieve, by mutual study and cooperation, activities reflecting a high and ethical standard of practice as well as teaching and research in the art and science of fixed prosthodontics.

The Academy had its origin in 1950 in Chicago, Illinois. The three men who deserve credit for the concept and preliminary planning 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 as 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 488 members.

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 fixed prosthodontics.

Jesse T. Bullard



PRESIDENT'S MESSAGE

ALBERT J. KAZIS

It is a pleasure for me to welcome all the members and guests to the 41st meeting of the American Academy of Fixed Prosthodontics. Dr. William D. Culpepper, our Program Chairman, has invited an outstanding roster of lecturers for our program, Prosthodontics 1992, Blueprint for the Future. I sincerely hope that as a result of this scientific program you will expand and improve your knowledge of the science and discipline of Fixed Prosthodontics. I am most appreciative of the dedication of the officers, the Board of Directors and the committee chairmen who share the responsibility for continuing in the tradition of excellence of this Academy. The past history of the Academy represents the progress of Fixed Prosthodontics in the past half century.

It has been an honor and a privilege for me to serve as the President of this, the most prestigious Academy devoted to the field of Fixed Prosthodontics.

Again, welcome. Enjoy the scientific sessions of the meeting and please participate in the social aspects of the program.

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. Hagen	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. Zieger	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. Mingledorff	1985
Herbert Ptack	1986
Ralph A. Yuodelis	1987
William D. Culpepper	1988
Ronald G. Granger	1989
Maurice H. Martel	1990
Ronald D. Woody	1991
Albert J. Kazis	1992

* deceased

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Vice-President	Dale L. Timberlake
Secretary	Robert S. Staffanou
Treasurer	Don G. Garver

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John D. Townsend	1992
Davis A. Garlapo	1993
Clark W. Peck	1993
Francis P. Ursoleo	1994
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Nominating	Ronald D. Woody '92
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Photographer	Victor Mackoul
Parliamentarian	Clark Peck

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Nomenclature Committee	Jack Edge
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Awards Committee	John Townsend
Goals and Objectives of Pros 21	Jesse Bullard
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.....	David Donatelli
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**THE AMERICAN ACADEMY OF FIXED
PROSTHODONTICS
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Paul Archacki '94
Tom Reddy '92
Asterios Doukoudakis '93
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Bill Finagin '92
Charles Goodacre '93
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POLICY**

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Maurice Martel '94
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GRANT PROGRAM**

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Ichior Nishimura '94
Stephen Campbell '94
Richard Wilson, ex officio

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Marty Martel
Ron Granger

EDITOR

Bill Malone

SECRETARY FOR GUESTS

Alfred Macaluso

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Ronald Woody, Chmn
Al Kazis

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Denny Smith

**DELEGATE TO FPO FOR
AFFAIRS OF THE
AMERICAN BOARD OF
PROSTHODONTICS**

Ernie Mingledorff

**NEWSLETTER
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Lou Juliano, Chmn
Victor Makoul, Photographer

**MEMBERSHIP DIRECTOR
SECRETARY TO
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Assad Mora, Chmn

**PUBLICITY AND
COMMUNICATIONS
COMMITTEE**

Assad Mora, Chmn
Victor Makoul '92
Jack Long '93

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**ANNUAL PROGRAM
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Frank Panno
Jerry Ziebert
Dave Eggleston
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Hugh Pierpont

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Dale Timberlake, Chmn

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Marty Martel
Ron Granger

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MOULTON AWARD
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SMITHSONIAN ADVISORY

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**GOALS AND OBJECTIVES
OF PROS 21**

Jess Bullard, Chmn
Ronald Woody
Bob Staffanou

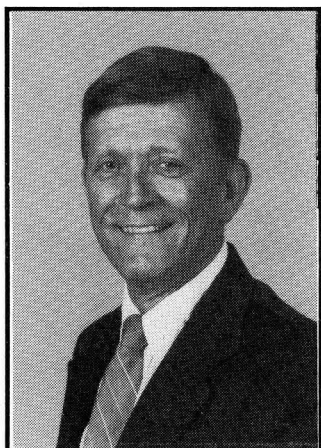
**FINANCE AND BUDGET
COMMITTEE**

Dave Seitin, Chmn
Frank Urseoleo
Jim Bell
Don Garver, ex officio

**ANNUAL MEMBERSHIP
DINNER AND BUSINESS MEETING
THURSDAY, FEBRUARY 13, 1992**

5:00 P.M. -	Early Registration
6:30 P.M.	Foyer, 5th Floor Chicago Ballroom (Active Members Only)
5:30 P.M. -	Cocktail Reception
6:30 P.M.	5th Floor Chicago Ballroom (Active Members Only)
6:45 P.M.	Annual Membership Dinner 5th Floor Chicago Ballroom (Active Members Only)
7:45 P.M.	Annual Business Meeting 5th Floor Chicago Ballroom (Active Members Only)
	President's Message
	Committee Reports
	Old Business • New Business
	Nomination and Election of Officers

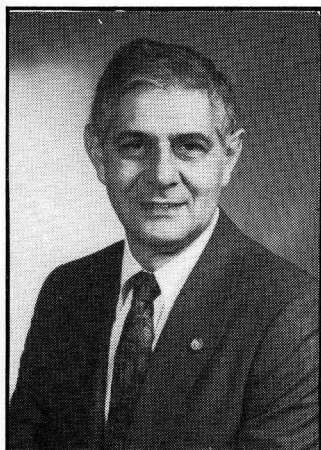
**PROGRAM COMMITTEE
FORTY-FIRST ANNUAL SCIENTIFIC SESSION**



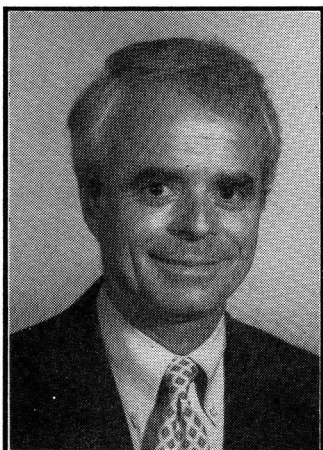
Dr. William D. Culpepper
1992
Program Chairman



Dr. L. James Bell
Ex Officio
1991 Program Chairman



Dr. Francis V. Panno
1993
Program Co-Chairman



Dr. Gerald J. Ziebert
1993
Program Co-Chairman

**PROGRAM SYNOPSIS
FRIDAY, FEBRUARY 14, 1992
SALON I AND II, 7th FLOOR BALLROOM**

**PROSTHODONTICS '92
BLUEPRINT FOR THE FUTURE**

- 7:00 A.M. - Registration and Continental Breakfast
8:10 A.M. - Exhibits, Salon III, 7th Floor Ballroom
8:10 A.M. - Presidential Greetings and Introduction
8:30 A.M. - of New Members
President Albert J. Kazis
- 8:30 A.M. - "Implant Assisted Periodontal
9:30 A.M. - Prosthodontics"
Dr. Ralph A. Yuodelis
- 9:30 A.M. - "Advanced Processing Technology for
10:30 A.M. - Dental Ceramics"
Dr. Stephen D. Campbell
- 10:30 A.M. - Coffee Break
11:00 A.M. - Exhibits - Salon III, 7th Floor Ballroom
11:00 A.M. - "Combination Alginate Hydrocolloid
12:00 P.M. - Impressions: A Removable Die Model
More Accurate Than A Solid Model"
Dr. Alvin J. Fillastre, Jr.
- 12:00 P.M. - LUNCH - ON YOUR OWN TODAY!!
12:30 P.M. - PAST PRESIDENTS AND CHARTER
MEMBERS LUNCHEON
Hospitality Suite #4608
Officers and Directors Invited
- 1:30 P.M. - "Restorative Options with
2:30 P.M. - Osseointegrated Implants"
Dr. Carl E. Rieder
- 2:30 P.M. - "New Technology in the Diagnosis of
3:30 P.M. - Active Periodontally Diseased Teeth"
Dr. Ray C. Williams
- 3:30 P.M. - Coffee Break
4:00 P.M. - Exhibits - Salon III, 7th Floor Ballroom
4:00 P.M. - "Healing Potential of Lesions of
5:00 P.M. - Endodontic Origin and its Application
to Prosthodontic Diagnosis"
Dr. Herbert Schilder
- 5:00 P.M. - Annual Cocktail Reception - No Host Bar
6:00 P.M. - MEMBERS AND GUESTS INVITED!!
~~5th Floor Ballroom~~

PROGRAM SYNOPSIS
SATURDAY, FEBRUARY 15, 1992
SALON I AND II, 7th FLOOR BALLROOM

PROSTHODONTICS '92
BLUEPRINT FOR THE FUTURE

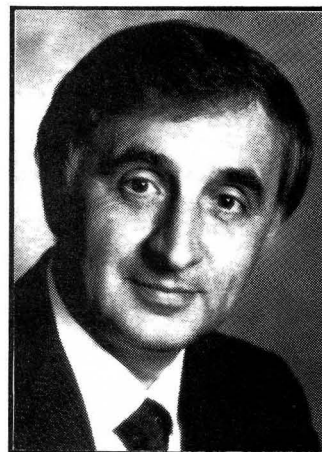
- 7:00 A.M. - Registration and Continental Breakfast
8:00 A.M. Exhibits, Salon III, 7th Floor Ballroom
8:00 A.M. - "Porcelain Veneers in Restorative Dentistry"
9:00 A.M. *Dr. Mark J. Friedman*
9:00 A.M. - "Computer Imaging and its Impact on the Future of Dentistry"
10:00 A.M. *Dr. Jacqueline Dzierzak*
10:00 A.M. - Coffee Break
10:30 A.M. Exhibits, Salon III, 7th Floor Ballroom
10:30 A.M. - "Prosthodontic Reconstruction with Non-Submerged (One Stage) ITI Implants"
11:30 A.M. *Dr. Hans Peter Weber*
11:30 A.M. - Exhibits, Salon III
12:00 P.M. 7th Floor Ballroom
12:00 P.M. - LUNCHEON, 5th FLOOR BALLROOM
1:30 P.M. "Stress and the Dental Profession"
Guest Speaker: Loran F. Pilling, MD
1:30 P.M. - "Computer Generated Ceramic Restorations"
2:30 P.M. *Dr. Harald O. Heymann*
2:30 P.M. - "Update on Bonding and Cements"
3:30 P.M. *Dr. Dennis C. Smith*
3:30 P.M. - "The Single Central Incisor Full Crown Restoration - Pitfalls and Successes"
4:30 P.M. *Dr. S. George Colt*
4:30 P.M. Closing Remarks
President Albert J. Kazis

"SUCCESS IS A JOURNEY, NOT A DESTINATION"

B. Sweetland

**ADJOURNMENT OF THE FORTY-FIRST ANNUAL
SCIENTIFIC SESSION**

February 14, 1992
8:30 A.M. - 9:30 A.M.



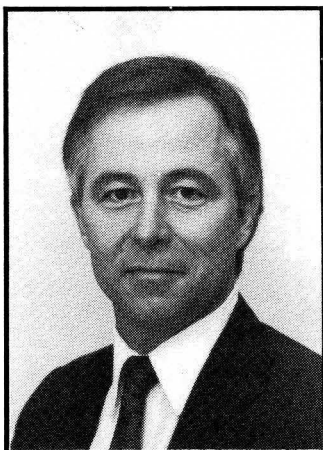
**IMPLANT ASSISTED PERIODONTAL
PROSTHODONTICS**

RALPH A. YUODELIS, DDS, MSD

SYNOPSIS: For those patients with a devastated dentition, periodontal prosthodontics, properly executed, has served many patients for many years. There are times, however, where there is either insufficient support or too few abutments in order to achieve a lasting restoration. In other cases, patients' existing periodontal prosthesis may have suffered further support loss and ultimately the patient may face total loss of the dentition. For such patients, implant fixtures, properly used, can be of immense help in resurrecting even the most devastated dentitions and achieving a beautiful fixed result.

CURRICULUM VITAE: Dr. Yuodelis graduated from the University of Alberta, School of Dentistry in 1955 and served on the faculty of that school from 1958 to 1962. He then came to the University of Washington where he received his Master of Science in Dentistry and his Certificate in Fixed Prosthodontics in 1964 and in 1965 his Certificate in Periodontics. He is Professor of Restorative Dentistry and holds the position of Adjunct Professor of Periodontics. Dr. Yuodelis has published extensively and is co-author with Drs. Saul Schluger, Roy Page, and Robert Johnson of the textbook "Periodontal Diseases: Basic Phenomena, Clinical Management, and Occlusal and Restorative Interrelationships".

February 14, 1992
9:30 A.M. - 10:30 A.M.



**ADVANCED PROCESSING TECHNOLOGY FOR
DENTAL CERAMICS**

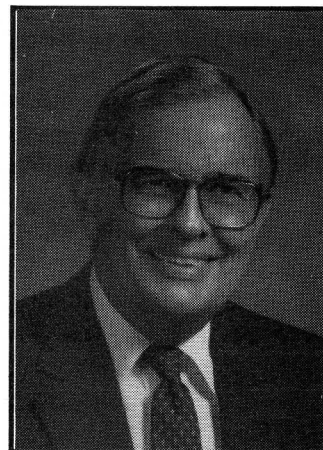
STEPHEN D. CAMPBELL, DDS, MMSc.

SYNOPSIS: The continued development of metal-ceramic restorations over the past 30 years has led to almost universal acceptance of this composite material as the primary esthetic crown and bridge material in dentistry. However, the esthetic limitation inherent in the metal-ceramic alternatives in the past 10 years. There is minimal clinical and scientific information available on the recently introduced all-ceramic restoration, In-Ceram. This presentation will provide an in-depth evaluation of the composition, forming methodology, and the mechanical and physical properties of this product. The clinical experience, advantages and disadvantages of some of the currently available ceramic restorative materials will also be reviewed. In addition, advanced processing methodologies will be discussed for their potential dental applications.

CURRICULUM VITAE: Dr. Campbell received his DDS degree from the Medical College of Virginia and his Prosthodontic Certificate and Master of Medical Science degree from the Harvard School of Dental Medicine. He is a Diplomat of the American Board of Prosthodontics, an Associate Professor of Prosthodontics at Harvard, and Co-Director of the Postdoctoral Prosthodontic Training Program. He is an active member in several dental, basic science and specialty organizations and has published extensively. Dr. Campbell devotes 50% of his time to the private practice of Prosthodontics and is an active researcher with broad interests. The primary focus of his research relates to the development of new ceramic materials and processing methodologies. His work is being carried out at Harvard and the Massachusetts Institute of Technology.

9.

February 14, 1992
11:00 A.M. - 12:00 P.M.



**COMBINATION ALGINATE HYDROCOLLOID
IMPRESSIONS: A REMOVABLE DIE MODEL MORE
ACCURATE THAN A SOLID MODEL**

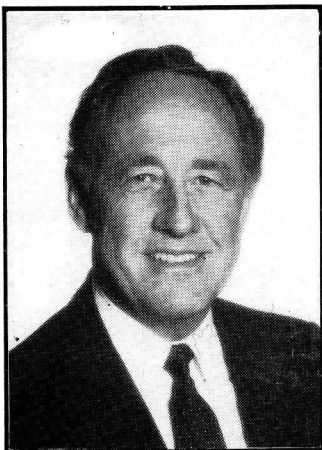
ALVIN J. FILLASTRE, Jr., DDS

SYNOPSIS: Accurate impressions and models, are fundamental to any successful fixed prosthodontic procedure. This two part presentation will show: (1) How extremely accurate impressions can be produced by combining two time proven materials - alginate (irreversible hydrocolloid) and reversible hydrocolloid; (2) A model and die system that not only produces stable removable dies, but totally eliminates the problem of linear expansion associated with all gypsum materials.

CURRICULUM VITAE: Dr. Fillastre graduated from Northwestern University Dental School in 1946. He is well known throughout the United States and in numerous foreign countries. He has presented before the American Academy of Restorative Dentistry, the American Academy of Fixed Prosthodontics, most major dental meetings, numerous dental organizations on the North American continent and in England, Sweden, Japan and other foreign countries. He is a member of OKU, AGD, ADA, American Academy of Dental Practice Administration, American Academy of Fixed Prosthodontics, American Equilibration Society, Southern Academy of Periodontology, the American College of Dentists, and the International College of Dentists.

10.

February 14, 1992
1:30 P.M. - 2:30 P.M.



RESTORATIVE OPTIONS WITH OSSEOINTEGRATED IMPLANTS

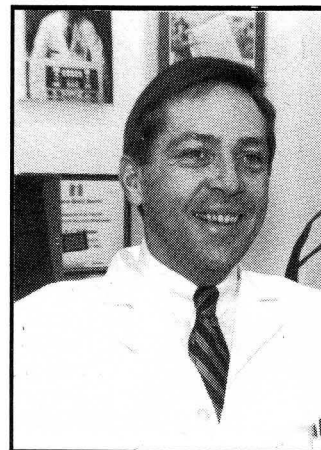
CARL E. RIEDER, DDS

SYNOPSIS: With the variety of dental implant systems currently available, the restorative dentist does not always have the opportunity to use just one type of prosthetic component. In addition, surgical compromises may further complicate the restorative process. Dental implants have become a highly predictable means of supporting or assisting the support of fixed partial denture prostheses. However, fundamental biomechanical principles of fixed prosthodontics need not be compromised. Periodontally compromised dentitions have long been treated by coping and superstructure rehabilitation, and this treatment modality is particularly well-suited for both the simple implant restorative situation and the more complex implant-assisted prostheses. Methods will be described for treating partial edentulism when dealing with a variety of implant fixture abutments and positional compromises, and for the incorporation of implant-supported prostheses with natural tooth abutments. The specific laboratory techniques which support and enhance these restorative procedures will also be shown.

CURRICULUM VITAE: Dr. Rieder received his dental degree from the University of Southern California in 1959 and is Clinical Professor of Advanced Prosthodontic Education at USC. He maintains a private practice in Newport Beach, limited to fixed and removable prosthodontics. He founded the Newport Harbor Academy of Dentistry in 1963 and is its present director. He is a fellow of the American College of Dentists, the International College of Dentists and the Academy of General Dentistry. He is also a member of Omicron Kappa Upsilon. Dr. Rieder served as president of the Pacific Coast Society of Prosthodontists, the American Academy of Esthetic Dentistry, and the American Equilibration Society. He is also a member of The American Academy of Fixed Prosthodontics, the American Academy of Craniomandibular Disorders, the Academy of Osseointegration, and the American Prosthodontic Society. Dr. Rieder has presented over 300 continuing education courses before dental schools and organizations throughout North America, Europe, Australia, Asia, and Africa. He has published numerous articles in the prosthodontic literature, mainly on the subjects of restorative dentistry and temporomandibular dysfunction.

11.

February 14, 1992
2:30 P.M. - 3:30 P.M.



NEW TECHNOLOGY IN THE DIAGNOSIS OF ACTIVE PERIODONTALLY DISEASED TEETH

RAY C. WILLIAMS, DMD

SYNOPSIS: Periodontal disease progresses with periods of activity followed by periods of remission or greatly decreased activity. Further, not all teeth in a person have disease progression at the same time. The ability to determine currently progressing disease, or teeth, or patients at risk for subsequent active disease progression, could greatly enhance prevention and treatment efforts. Several areas of current investigation hold considerable promise for detecting active periodontal disease, as well as identifying teeth and patients at risk for subsequent activity. In addition, the ability to better determine the response to periodontal treatment is emerging. These research areas include new radiographic techniques, refined analysis of crevicular fluid contents, standardized attachment level changes, nuclear medicine techniques, immunological cell marker techniques, and rapid bacteriologic detection tests. Progress in each of these areas will be presented, as well as prospects for the future.

CURRICULUM VITAE: Dr. Williams received his DMD degree from the University of Alabama, School of Dental Medicine, in 1970. He continued postdoctoral training at Harvard School of Dental Medicine in microbiology and periodontology, and in 1973 he was awarded a certificate in periodontics. Dr. Williams is currently Associate Professor and Chairman of the Department of Periodontics at Harvard. In addition, Dr. Williams is Associate Dean for Postdoctoral Studies. Dr. Williams is an internationally known investigator in pharmacologic interception of periodontal disease progression. He is currently working in the field of growth factors and periodontal diagnosis. Dr. Williams also maintains a part-time private practice in periodontics.

12.

February 14, 1992
4:00 P.M. - 5:00 P.M.



**HEALING POTENTIAL OF LESIONS OF
ENDODONTIC ORIGIN AND ITS APPLICATION TO
PROSTHODONTIC DIAGNOSIS**

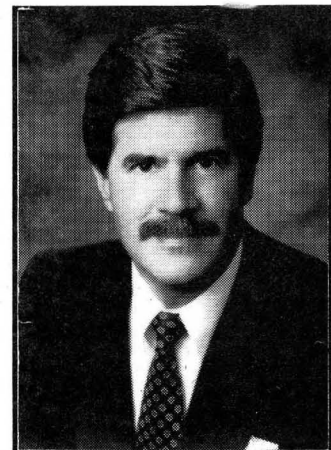
HERBERT SCHILDER, BA, DDS, FICD, FACD

SYNOPSIS: Modern clinical techniques in both nonsurgical and surgical endodontics are so predictable that confident prognoses can be made for almost any tooth about to receive prosthetic service irrespective of the current pulpal or periapical pathosis present. Indeed, any tooth which is periodontally sound, or can be made so, and which is mechanically restorable, can be treated successfully from an endodontic point of view. This presentation explains both the biologic rationale and the clinical techniques which convert roots with seemingly hopeless pathology into useful and healthy abutments.

CURRICULUM VITAE: Dr. Schilder is Professor and Chairman of the Department of Endodontics at Boston University Goldman School of Graduate Dentistry. On October 18, 1990, Dr. Schilder was elected First Vice President of the American Dental Association. He is a Past President of the American Association of Endodontists, former Director of the American Board of Endodontics, and former President of the Massachusetts Dental Society. Dr. Schilder is world famous as a practitioner and educator in Endodontics. He has written scores of articles, lectured in 25 countries and on every continent. Dr. Schilder has trained over 250 endodontists. He also maintains an active private practice of Endodontics in Brookline, Massachusetts.

13.

February 15, 1992
8:00 A.M. - 9:00 A.M.



**PORCELAIN VENEERS IN RESTORATIVE
DENTISTRY**

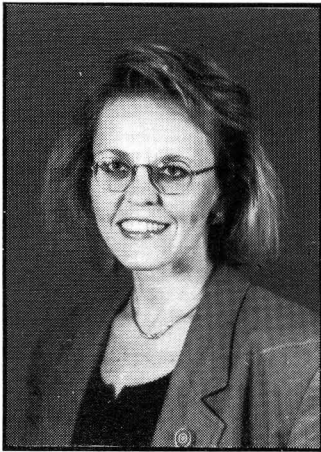
MARK J. FRIEDMAN, DDS

SYNOPSIS: The popularity of porcelain veneers has skyrocketed since the early 1980's, mostly in response to their esthetic potentials. The ability to adhere ultra-thin ceramics to labial enamel is an exciting procedure. However, practitioners are beginning to realize that porcelain veneers provide solutions to many restorative needs. They are less iatrogenic than conventional crowns and often provide superior esthetics. Proper construction can impart an invisible supra-gingival margin and veneers can be combined with crowns for an innovative approach to full mouth rehabilitation. This in-depth presentation will explore the esthetic and restorative applications of veneers in today's dental practice. Topics of discussion will include: patient selection and tooth preparation, the contact lens effect, high viscosity luting, and the clinical performance of these restorations. Through a multi-image slide presentation, participants will gain an unusual perspective and insight into this highly sophisticated yet predictable technique.

CURRICULUM VITAE: Dr. Friedman is a native of Southern California and a 1975 graduate of the University of Southern California School of Dentistry. He is Associate Clinical Professor of Restorative Dentistry at the University of Southern California, Director of the Esthetic Dentistry Study Group at USC, founder of the Association for Resin Dentistry Aesthetics, and a member of the American Academy of Esthetic Dentistry. Dr. Friedman has published articles in the Journal of the American Dental Association and Quintessence International as well as co-authoring a textbook with Dr. Ronald Jordan. Dr. Friedman has lectured at most major US meetings and in Canada, Amsterdam, and Berlin.

14.

February 15, 1992
9:00 A.M. - 10:00 A.M.



**COMPUTER IMAGING AND ITS IMPACT ON THE
FUTURE OF DENTISTRY**

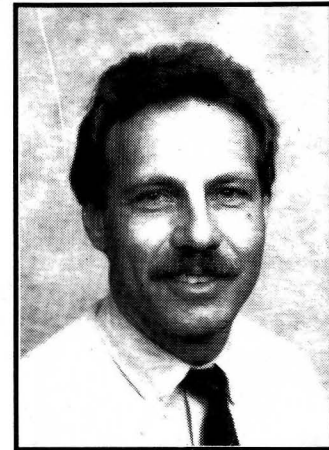
JACQUELINE DZIERZAK, BS, DMD, FACD

SYNOPSIS: This presentation will take a close-up look at the technology blitz which is starting to make its way into the dental profession. Computer imaging - what is it? We will take a look at the design of a system, understand the technology behind it, and learn what it can and cannot do. "How to use it?" and "Should everyone have one?" are two other questions which will be investigated and discussed in this program.

CURRICULUM VITAE: Dr. Dzierzak received her DMD degree from the University of Pennsylvania, School of Dental Medicine, in 1974. She completed her post-graduate training in Fixed Partial Prosthodontics at the University of Illinois in 1978. She is currently an Assistant Clinical Professor at Northwestern University, School of Dentistry, and involved in research in restorative and esthetic dentistry. Dr. Dzierzak has appeared on the **Phil Donahue Show** and been involved in many articles about cosmetic procedures in publications such as *Business Week*, *Longevity*, *Mirabella*, and *Ladies Home Journal*. She is a visible spokesperson for dentistry and looks for every opportunity to educate the lay public about the advances in dentistry. Dr. Dzierzak has lectured extensively throughout the United States and has formed a company, "Subtle Impressions, Inc." which helps the dentist better communicate and market their practice. Dr. Dzierzak maintains a private practice on Chicago's Miracle Mile.

15.

February 15, 1992
10:30 A.M. - 11:30 A.M.



**PROSTHODONTIC RECONSTRUCTIONS WITH
NON-SUBMERGED
(ONE STAGE) ITI IMPLANTS**

DR. HANS PETER WEBER

SYNOPSIS: It has been commonly accepted that dental implants have to be submerged at time of placement to achieve successful tissue integration. After a healing period of 3-6 months under the cover of the mucous membrane, a second surgery is necessary to gain access to the fixtures and to attach the abutments for the future prosthetic reconstructions. There is, however sufficient evidence in the literature, that implants intentionally not submerged under the mucosa at time of insertion achieve, with equal predictability, the same type of osseous and mucosal healing. Consequently, this approach offers several striking clinical and restorative advantages for the patient and dentist. Applications, prosthetic procedures, and possible limitations of this technique will be discussed in the presentation.

CURRICULUM VITAE: Dr. Weber received his Dental Degree in 1976 from the University of Berne, Switzerland. After postgraduate training, both in removable prosthodontics and periodontics combined with fixed prosthodontics, he received the Swiss Board Certification as a Periodontist. Until 1986, he worked as an Assistant Professor in Fixed Prosthodontics and Comprehensive Dentistry at the University of Berne. During this time he became very involved in the field of Implant Dentistry. In 1987, he transferred to the United States and spent one year as a Visiting Assistant Professor in the Department of Periodontics at the University of Texas Health Science Center in San Antonio. In 1990 he received his DMD degree from the Harvard School of Dental Medicine. He currently holds a position as an Instructor in Periodontology and Acting Director of Implant Dentistry Service at Harvard. He has published numerous articles in the areas of Periodontics and Implant Dentistry and has lectured nationally and internationally.

16.

February 15, 1992
11:30 A.M. - 12:00 P.M. -- 12:00 P.M. - 1:30 P.M.

**EXHIBITS, 7th FLOOR BALLROOM
11:30 P.M. - 12:00 P.M.**

**LUNCHEON FOR MEMBERS AND GUESTS
5th FLOOR BALLROOM
12:00 P.M. - 1:30 P.M.**

**PRESENTATION
THE GEORGE H. MOULTON AWARD
"FOR OUTSTANDING ACHIEVEMENT IN THE ART
AND SCIENCE OF FIXED PROSTHODONTICS"**

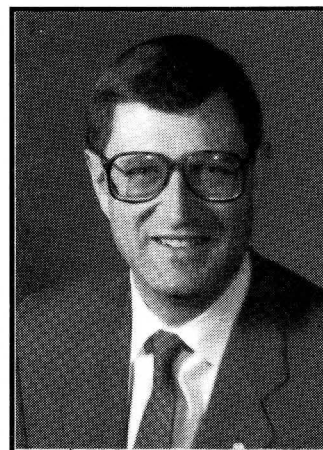


**FEATURED LUNCHEON SPEAKER
LORAN F. PILLING, BS, MD, MS
"STRESS AND THE DENTAL PROFESSION"**

Dr. Pilling is Medical Director of the Pilling Pain Clinic in St. Paul, Minnesota. He was formerly at the Mayo Clinic for 11 years, first as a resident in Internal Medicine and Psychiatry and, later, as a staff psychiatrist. It was with the Mayo Clinic that he developed a treatment program for patients with chronic pain. Dr. Pilling has a BS degree, MS degree in Psychiatry, and the degree Doctor of Medicine. He is an Associate Professor at the University of Minnesota and a Honorary Fellow of the American Psychiatric Association for work in the field of chronic pain. Dr. Pilling has lectured extensively in the United States, Canada, and Europe and has published numerous articles in medical journals and textbooks on the subject of pain and stress.

17.

February 15, 1992
1:30 P.M. - 2:30 P.M.



**COMPUTER GENERATED CERAMIC
RESTORATIONS**

HARALD O. HEYMANN, DDS, MEd

SYNOPSIS: Computer technology in revolutionizing dentistry. Already, CAD/CAM systems are available for the fabrication of dental restorations. This presentation will detail chairside computer-generated ceramic restorations. The **CEREC System**, a CAD/CAM system for ceramic inlays and onlays, will be presented in the context of its clinical application. Included will be information on preparation design, optical impressions, on-screen restoration design, restoration milling, bonding, finishing, and polishing. The developing clinical research being conducted at the University of North Carolina will also be discussed.

CURRICULUM VITAE: Dr. Heymann is a native of North Carolina and graduated from the University of North Carolina School of Dentistry. He also received a Masters degree in Education from UNC. He is currently Associate Professor and Chairman of Operative Dentistry at the UNC School of Dentistry. Dr. Heymann is particularly active in the clinical research of tooth-colored restorative materials and maintains a private practice largely devoted to esthetic dentistry. He is a member of numerous professional organizations which include: the Academy of Operative Dentistry, the International Association of Dental Research, and the American Academy of Esthetic Dentistry. He is also a fellow in the International College of Dentists, the American College of Dentists, and Council on Dental Materials, Instruments, and Equipment. Dr. Heymann has authored numerous scientific articles and several textbooks on conservative esthetic techniques. He is Section Editor of Operative Dentistry for **Quintessence International**. Dr. Heymann has presented at national and international meetings on various aspects of esthetic restorative materials.

18.

February 15, 1992
2:30 P.M. - 3:30 P.M.



UPDATE ON BONDING AND CEMENTS

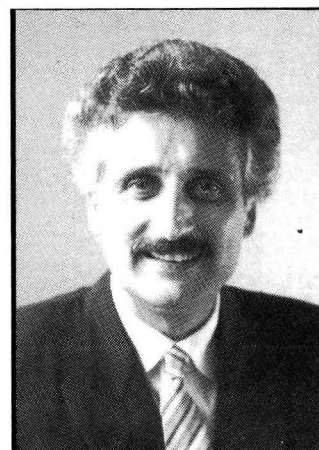
DENNIS C. SMITH, M.Sc, Ph.D., F.R.S.C.

SYNOPSIS: Acid etch bonding to enamel is effective but can be variable under clinical conditions dependent on the etchant and the conditions. It may be adversely affected by pretreatments such as bleaching. Chemical bonding to dentin, in principle, involves reaction with the mineral and/or protein components. This had been proven to occur only with the polyacrylic acid systems. Bonding with resin systems is very dependent on technique. It is important that successful bonding involves both adequate retention and minimal microleakage. The current systems will be critically examined for their practical performance. A wide variety of dental cements continue to be used in clinical dentistry. No new system has been developed in the last few years, but the continued development of the glass ionomer and adhesive resin cements has extended clinical techniques and led to a decline in the use of the traditional phosphate and ZOE materials. The more critical manipulation of the newer materials has led to problems related to marginal leakage and to pulpal sensitivity.

CURRICULUM VITAE: Dr. Smith was born England and educated at the University of London, where he graduated with a BSc Special Degree in Chemistry in 1950. Following research in organic chemistry, he was awarded the degree of MSc in 1953. In 1957, he received the PhD degree for research in the properties of acrylic dental materials. From 1952-1969 he was Head of Dental Materials Science at the University of Manchester in England. In 1969 he emigrated to Canada to become Professor and Head of Biomaterials in the Faculty of Dentistry, University of Toronto. Dr. Smith has lectured throughout the world and has been a visiting professor at schools on every continent. Dr. Smith invented polycarboxylate cements and holds several patents on these materials. Dr. Smith is presently Director of the Centre for Biomaterials at the University of Toronto and Program Leader for Biomaterials in the Ontario Centre for Materials Research. He has been the recipient of many awards and recognitions for his outstanding working dental materials.

19.

February 15, 1992
3:30 P.M. - 4:30 P.M.



THE SINGLE CENTRAL INCISOR FULL CROWN RESTORATION-PITFALLS AND SUCCESSES

S. GEORGE COLT, DMD, FACP

SYNOPSIS: After more than 25 years of clinical practice, certain experiences can be communicated that will be helpful in restoring the single central incisor with a full crown restoration adjoining natural teeth. Today, with increased knowledge and more effective handling of improved materials, we are faced with a dilemma as to what type of ceramic full crown restorations and combinations to choose from. They all seem to work well. Has this made it easier to successfully treat the single central incisor, or is the problem still so complex that achieving more acceptable color matching is just as unobtainable? New developments with opalescent porcelains have opened up more possibilities for usage of the metal ceramic crown. Is this the wave of the future?

CURRICULUM VITAE: Dr. Colt received his DMD degree from Tufts University, School of Medicine, in 1961 and his certificate in Prosthodontics from the same institution in 1970. He is a member of OKU and a Diplomate of the American Board of Prosthodontics. He has taught in the graduate prosthodontic programs at Tufts, Harvard, Boston University and at the University of Pavia, in Italy. He is a member of the American Dental Association, Massachusetts Dental Society, the American College of Prosthodontists. Dr. Colt has lectured throughout the United States and in 8 foreign countries. He has published in Quintessence International, the International Journal of Periodontics and is working on a textbook on Dental Esthetics and Color.

20.