

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS



**Forty-sixth Annual Meeting
February 21, 22, 1997**

**Chicago Marriott Hotel
Chicago, Illinois**

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Projected Tentative Meeting Dates

1997 - 21-22 February
1998 - 20-21 February
1999 - 19-20 February
2000 - 25-26 February

THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Crown and Bridge has been 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 support 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. 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 the meeting were: Doctors Stanley D. Tylman, Arthur O. Klaffenbush, Robert P. Dressel, Alver Selberg, Charles E. Peterka, Earl A. Nelson, Claude R. Baker, and George H. Moulton. Dr. Baker was chosen as temporary chairman and Dr. Moulton as temporary secretary.

The next meeting was at French Lick, Indiana, on March 1, 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 526 active, honorary, and life members in 15 different countries.

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 T. Bulla

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS*

The mission of The American Academy of Fixed Prosthodontics is to promote excellence in the field of fixed prosthodontics through mutual support, participation, and cooperation. The Academy shall:

- Provide for educational enrichment of those with a recognized commitment and dedication to the field of fixed prosthodontics.
- Represent the discipline of fixed prosthodontics at all levels of the dental profession.
- Promote excellence in patient care.
- Promote excellence in teaching.
- Encourage and support research in fixed prosthodontics.
- Promote camaraderie and fellowship among the members of the Academy.

Dr. Stephen D. Campbell

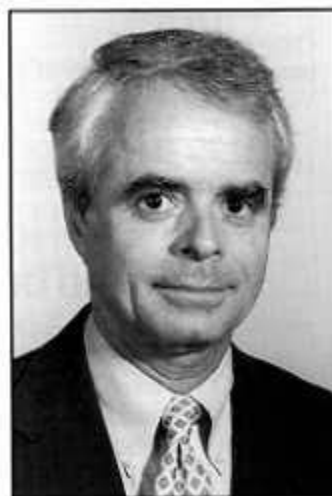
PAST PRESIDENTS

*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. 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. Minglehoff	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
William L. Nequette	1993
Dale L. Timberlake	1994
Jesse T. Bullard	1995
Harvey L. Colman	1996
Gerald J. Ziebert	1997

*deceased

THE PRESIDENT'S MESSAGE

GERALD J. ZIEBERT, DDS
PRESIDENT, 1996-1997



On behalf of the Officers and Directors of the Academy, it is my pleasure to welcome you to the Forty-Sixth Annual Scientific Session of The American Academy of Fixed Prosthodontics. Continuing the rich heritage of outstanding programs over the nearly 50 years of our existence, Dr. Bill Nagy, our program chair, is providing a diverse educational experience entitled "Treatment Planning - New Age Perspectives." Covering the broad landscape of fixed prosthodontics and restorative dentistry, Bill has put a program together that extends from esthetics and implants to periodontics and biocompatibility. The speakers are bringing a wealth of knowledge and information that is on the cutting edge of clinical practice.

Dr. Ron Stifter has invited over 30 commercial exhibitors who offer the latest in products, procedures and laboratory services to complement the educational program. The exhibitors will be open throughout the program and I invite you to visit them.

Once again we will present table clinics in conjunction with the cocktail party reception on Friday at 5 p.m. Dr. Lionel Pelletier has arranged an interesting and stimulating program.

I am honored to have served as your president this past year, and am delighted to have you here in attendance. Here's to a very successful and productive two days.

OFFICERS

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Immediate Past President	Harvey L. Colman
Vice President	Denny M. Smith
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Assad F. Mora	1998
Gerard D. Schultz	1998
John T. Goodman	1999
Richard A. Hesby	1999

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Constitution and Bylaws	Richard Cavanaugh

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Michael Myers '00
John Agar '00
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Larry Sindedecker '99

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Tom Bahr
Don Gratton

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Committee A:

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Martin Land '98
Bruce Crispin '98
Bill Malone, Ex officio

Committee B:

Larry Breeding, Chairman '99
Donna Dixon '99
Michael Myers '99
Bill Malone, Ex officio

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AWARDS COMMITTEE

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Timothy Butson
William Buchanan

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Denny Smith
William Finagin

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Richard Cavanaugh, Chairman
William Finagin

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Earl Stover
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Assad Mora

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David Eggleston

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Don Garver

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Herbert Shillingburg

ACP COMMITTEE ON COMPETENCIES IN PROSTHODONTICS

Steve Aquilino

PROGRAM COMMITTEE

ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING THURSDAY, FEBRUARY 20, 1997

- 5:30 p.m. *Early Registration*
7:00 p.m. 5th Floor Foyer
(MEMBERS ONLY, PLEASE!!!)
- 6:00 p.m. *Cocktail Reception*
7:00 p.m. 5th Floor Foyer
(MEMBERS ONLY PLEASE!!!)
- 7:00 p.m. *Annual Membership Dinner*
5th Floor Foyer, SALONS A,B,C,D
(MEMBERS ONLY PLEASE)
- 7:45 p.m. *Annual Business Meeting*
5th Floor Foyer, SALONS A,B,C,D
President's Message
Committee Reports
Old Business
New Business
Election of Officers
(MEMBERS ONLY PLEASE!!!)



Dr. William W. Nagy
1997 Program Chairman



Dr. Gerard D. Schultz
1998 Program Chairman



Dr. Carl E. Rieder
Ex Officio

EXHIBIT DIRECTORY

DR. RONALD P. STIFTER
CHAIRMAN, EXHIBITS COMMITTEE

Booth Number	Company Name
1.	Vident
2.	Steri-Oss
3.	Mosby/Williams and Wilkins
4.	Implant Innovations, Inc.
5.	Metalift (Classic Practice Resources)
6.	Ultradent Products, Inc.
7.	Panadent Corporation
8.	Columbia Scientific, Inc.
9.	The Straumann Company
10.	Van R/Cadco/Clive Craig
11.	Teledyne Water Pik
12.	Bisco Dental Products
13.	Brasseler USA
14.	Preet Corporation
15.	Hermanson Dental Services, Inc.
16.	Orasoptic Research, Inc.
17.	Whip Mix Corporation
18 - 19.	Quintessence Publishing Co. Inc.
20.	Nobel Biocare USA, Inc.
21.	Kavo America Corporation
22.	Calcitek, Inc.
23.	Popp Dental Laboratory, Inc.
24.	Tekscan, Inc.
25.	Ceramco Division
26.	Ney Dental International
27.	Condylator Service
28.	Dental Arts Laboratories, Inc.
29.	J. F. Jelenko & Co.
30.	Lifecore Biomedical Inc

TABLE CLINIC PROGRAM
FIFTH FLOOR BALLROOM
5 p.m., FEBRUARY 21, 1997

TABLE CLINIC CHAIRMAN:
DR. LIONEL B. PELLETIER

1. **"Contact Angle of Polyvinyl Siloxane"**
 Dr. Denise Estefan, New York, NY
2. **"Vented Metal Ceramic Restorations"**
 Dr. Cynthia Cox, Oakland CA
3. **"Esthetic Plane: Eyes vs. Horizon"**
 Dr. Thomas Lee, Grand Terrace, CA
4. **"Prep Design and Longevity of Porcelain Bonded Restorations"**
 Dr. David Baird, Bellevue, WA
5. **"Maryland Provisional Fixed Partial Denture Prior to Implant Loading"**
 Dr. Judith Gartner, Boston, MA
6. **"Interproximal Splinting"**
 Dr. Craig Sirota, Boston MA
7. **"Ridge Augmentation Prior to Implant Placement"**
 Dr. Joseph Guarino, West Roxbury, MA
8. **"Improving the Attachment of Bone Proteins to Titanium Surfaces"**
 Dr. Jairo Salcedo, Boston, MA

9. **"Polyvinylsiloxane Dies in Prosthodontics"**
Dr. Mohammed Al-Rafee, Milwaukee, WI
10. **"A Jig for Accurately Placing Implant Abutments and Castings"**
Dr. Carlos J. Parajon, Milwaukee, WI
11. **"Pressure Pot and Stone Condensation"**
Dr. Reza Heshmati, Shorewood, WI
12. **"Simplified Procedure for Making Artificial Crowns and Fixed Partial Dentures with a Functionally Generated Path"**
Dr. Igor Lozada, Brookline, MA
13. **"Restoration of Pulpless Teeth with a Carbon-Fiber Reinforced Epoxy Resin Post"**
Dr. Nadim Baba, Brookline, MA
14. **"A Device for Removal of Fixed Partial Dentures"**
Dr. Gianni Efisio, Boston, MA
15. **"Adhesive Technique for Esthetic Dentistry"**
Dr. Kenji Kojo, Tokyo, Japan
16. **"Pantographic Changes After Splint Therapy"**
Dr. Yasuo Hatano, Tokyo, Japan
17. **"Esthetic Restoration with Hybrid Ceramics"**
Dr. Akiyoshi Shinya, Tokyo, Japan
18. **"A Prerestorative TMJ Screening"**
Dr. Gregg Elefterin, Canton, OH
19. **"The Effect of Thermocycling on Fracture Toughness and Hardness of Core Build-up Material"**
Dr. Juan I. Medina Tirado, Guaynabo, Puerto Rico

THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

TREATMENT PLANNING: NEW AGE PERSPECTIVES

FRIDAY, FEBRUARY 21, 1997

7-8:15 a.m.	Registration 7th Floor Foyer CONTINENTAL BREAKFAST EXHIBITS OPEN 7TH FLOOR, SALON III
8:15-8:30 a.m.	Welcome: Dr. Gerald J. Ziebert, President AAFP
	Introduction: Dr. William W. Nagy, Program Chairman
8:30-9:30 a.m.	"Practical Solutions to Common Esthetic Problems" Dr. James C. Kessler
9:30-10:30 a.m.	"Tooth Flexural Effects on Restorations and Teeth" Dr. Harald O. Heymann
10:30-11:00 a.m.	BREAK
11 a.m.-Noon.	"The Ceramic Implant Abutment: Achieving Optimum Esthetics and Health in Implant Restorations" Dr. Vincent Prestipino
Noon-1:30 p.m.	Academy Luncheon All Members and Guests Fifth Floor Ballroom
1:30-2:30 p.m.	"Keeping T.I.M.E. in a New Age" Mr. F. Dan Hull
2:30-3:30 p.m.	"Mounted Cast Paradigm" Dr. Carl G. Wirth
3:30-4 p.m.	BREAK - EXHIBITS OPEN
4-5 p.m.	"Dental Implant Restorative Controversies" Dr. Robert J. Cronin, Jr.
5-7 p.m.	Annual Cocktail Party for All Members and Guests Table Clinic Program - Dr. Lionel B. Pelletier, Chmn. Fifth Floor Ballroom - No Host Bar

**TREATMENT PLANNING:
NEW AGE PERSPECTIVES**

SATURDAY, FEBRUARY 22 1997

- 7-8:15 a.m. Registration - 7th Floor Foyer
CONTINENTAL BREAKFAST
EXHIBITS OPEN, 7TH FLOOR SALON III
- 8:15-9:15 a.m. "The Aesthetic Anterior Composite Crown"
Dr. Newton Fahl, Jr.
- 9:15-9:30 a.m. "An Investigation Into A New Metal Frame-
work Design for Metal Ceramic Restorations"
Dr. Kevin H. O'Boyle
UTHSC-SA, Dept. of Prosthodontics
First Place Tylman Award Winner
- 9:30-10:30 a.m. "Restoration of the Endodontically Treated Tooth"
Dr. Steven M. Morgano
- 10:30-11 a.m. BREAK - EXHIBITS OPEN
- 11 a.m.-Noon "Endotoxin Affinity as a Determinant of
Prosthodontic Material Compatibility"
Dr. Kent L. Kneonschild
- Noon-1:30 p.m. Lunch - On Your Own -
No Host Luncheon Buffet in Exhibit Hall
All Exhibits Open until 2 p.m.
Past Presidents Luncheon - Hospitality Suite #4618
(Past Presidents, Officers, Directors)
- 1:30-2:30 p.m. "Optimizing the Implant Site for Restorative
Dentistry"
Dr. Maurice A. Salama
- 2:30-3:30 p.m. "New Age Periodontics and Fixed Prosthodontics"
Dr. Robert B. O'Neal
- 3:30-4:30 p.m. "The Operating Microscope in Clinical
Fixed Prosthodontics"
Dr. Assad F. Mora
- 4:30 p.m. Closing Remarks
Dr. Gerald J. Ziebert
President, AAFP

Friday, February 21, 1997
8:30 - 9:30 a.m.



JAMES C. KESSLER, BS, DDS

"Practical Solutions to Common Esthetic Problems"

Synopsis: The various components of an anterior restoration that act together to produce an esthetically pleasing result will be evaluated including the soft tissue interface, color production in ceramo-metal restorations, the creation of lifelike incisal translucency, surface texture-luster, and simple chairside procedures for ceramo-metal restorations. The common problems encountered with each of these will be identified and practical solutions will be presented.

Curriculum Vitae: Dr. Kessler is a 1977 graduate of the University of Oklahoma College of Dentistry, and spent ten years in dental education during which he taught at both the University of Oklahoma and the Medical University of South Carolina. He is currently an Adjunct Professor in the Crown and Bridge Department at the Medical University of South Carolina and maintains a general practice in Tulsa, Oklahoma. His primary areas of interest are in the clinical and laboratory fabrication of esthetic ceramic restorations. Dr. Kessler is an active lecturer for both dentists and dental laboratory technician groups and has lectured throughout the United States as well as Canada and Europe.



HARALD O. HEYMANN, DDS, M.Ed.

"Tooth Flexural Effects on Restorations and Teeth"

Synopsis: Studies have shown that teeth experience flexural deformation during occlusal loading. This presentation will examine the effects of tooth flexure on the clinical performance of various restorative systems and will address how best to deal with these tooth dynamics. Additionally, a provocative and controversial look at the role of tooth flexure in the etiology of cervical lesions (abfractions) will be included. Relevant results from recent clinical studies will be chronicled.

Curriculum Vitae: Dr. Heymann is Professor and Chairman of the Department of Operative Dentistry at the University of North Carolina. He is active in the clinical research of tooth-colored restoratives and maintains a dental practice devoted largely to esthetic dentistry. Dr. Heymann is a Fellow in the International College of Dentists, the American College of Dentists, and the Academy of Dental Materials. He is the author of numerous scientific articles and textbook chapters and has given over 400 lectures on various aspects of esthetic dentistry across the country and in Europe, Asia, South America, and Australia.



VINCENT PRESTIPINO, DDS

"The Ceramic Implant Abutment: Achieving Optimum Esthetics and Health in Implant Restorations"

Synopsis: One of the most challenging goals for restorative dentists is achieving esthetic implant restorations. This presentation will review recent restorative trends in osseointegration, including a new emerging ceramic abutment technology. Characteristics, designs, and techniques will be discussed to show why high strength alumina oxide has been determined to be an excellent material for implant abutments and transepithelial components.

Curriculum Vitae: Dr. Prestipino received his D.D.S. degree from the University of Maryland Dental College and Prosthodontic training from New York University. He is a member of the Greater New York Academy of Prosthodontics, the Academy of Osseointegration, the American College of Prosthodontists, and the American Prosthodontic Society. Dr. Prestipino has a full-time practice limited to prosthodontics in Bethesda, Maryland, and actively contributes to the scientific literature and to graduate education.

Friday, February 21, 1997

Noon - 1:30 p.m.

ANNUAL ACADEMY LUNCHEON

PRESENTATION OF THE STANLEY D. TYLMAN RESEARCH AWARDS FOR 1996

Dr. Peter S. Lund
Chairman, Tylman Research Award Committee

FIRST PLACE WINNER

Dr. Kevin H. O'Boyle
University of Texas Health Science Center, San Antonio
"An Investigation into a New Metal Framework Design
for Metal-Ceramic Restorations"
Program Director: Dr. Robert J. Cronin, Jr.
Research Mentor: Dr. Barry K. Norling

SECOND PLACE WINNER

Dr. Juan I. Medina Tirado
Marquette University School of Dentistry
"The Effect of Thermocycling on Fracture Toughness
and Hardness of Core Build-Up Materials"
Program Director: Dr. William W. Nagy
Research Mentor: Dr. William W. Nagy

THIRD PLACE WINNER

Dr. Joe J. Villalobos
WHMC/UTHSCASA
Lackland Air Force Base, San Antonio, TX
"Potassium and Rubidium Ion Exchange of a
Leucite-Reinforced Porcelain"
Program Director: Dr. Stephen M. Schmit
Research Mentor: Dr. Rodney D. Phoenix

PRESENTATION OF THE GEORGE H. MOULTON AWARD FOR "OUTSTANDING ACHIEVEMENT IN THE ART AND SCI- ENCE OF FIXED PROSTHODONTICS"

Dr. Herbert Ptack
Chairman, George H. Moulton Award Committee

1997 Recipient
Dr. Roland W. Dykema
Monrovia, Indiana

PRESENTATION OF NEW MEMBERS FOR 1997

President Gerald J. Ziebert

Friday, February 21, 1997

1:30 - 2:30 p.m.



F. DAN HULL, BS, M.Ed.

"Keeping T.I.M.E. In A New Age"

Synopsis: Dan Hull brings a tapestry of experience woven from his background as a college instructor, high school principal, aviator/flight instructor, motivational speaker and independent marketing analyst.

Curriculum Vitae: Mr. Hull particularly enjoys traveling throughout the country challenging audiences from various social and vocational backgrounds to learn to redeem the T.I.M.E. by turning Tragedy into triumph - Isolation into involvement - Millstones into milestones - and Extinguishment into encouragement.



CARL G. WIRTH, DDS

"Mounted Cast Paradigm"

Synopsis: Traditionally, most restorations made on articulator mounted casts rarely fit the mouth without adjustment. This presentation will identify the reasons and provide a solution. The end result is a new paradigm for articulator mounted casts. One that can be used in diagnosis, treatment planning, or any type of treatment from the simple casting to the most complex type of reconstructive dentistry.

Curriculum Vitae: Dr. Carl G. Wirth obtained his D.D.S. degree from McGill University in 1962. He taught at the University of Kentucky, Medical College of Virginia, University of Florida and left full-time teaching as Professor and Chairman of Reconstructive Dentistry at Oral Roberts University. He has conducted research in mandibular movement recording devices and hinge axis with Harry Lundeen, Robert Lee, et al, and has lectured worldwide on occlusion and associated subjects. Dr. Wirth is currently an Adjunct Clinical Faculty Member, Department of Restorative Sciences at Marquette University.



ROBERT J. CRONIN, JR., DDS, MS

"Dental Implant Restorative Controversies"

Synopsis: Following 15 years of rapid expansion in the use of endosseous root form implants in the United States, we are becoming frustrated with the lack of evidence based on in vivo research directing the prosthodontic aspects of implant therapy. Anecdotal experience is utilized to justify restorative treatment modalities. Dr. Cronin will review the major prosthodontic implant technique controversies currently being debated and examine the evidenced based rationale for their utilization. Implants in growing patients, the timing of implant loading, occlusal biomechanical factors and fixation methodology will be addressed.

Curriculum Vitae: Dr. Cronin, a graduate of Georgetown University, is presently the Director of Postdoctoral Prosthodontics and Associate Professor at the University of Texas Health Science Center, Dental School in San Antonio, Texas. He is a Diplomate and Director of the American Board of Prosthodontics and has written and lectured extensively on prosthodontic and dental implant topics. He is a member of the Editorial Review Board of the Journal of Prosthetic Dentistry and serves and the Editor of the Clinical Research Section of the Journal of Prosthodontics. Dr. Cronin also served as the Department Chairman and Director of the Graduate Prosthodontics Program at Wilford Hall USAF Medical Center and as Special Consultant in Prosthodontics to the Surgeon General.



NEWTON FAHL, JR., DDS, MS

"The Aesthetic Anterior Composite Crown"

Synopsis: This presentation will focus on the predictable utilization of composite resins in restoring the severely fractured anterior dentition. Histologic considerations of natural teeth and the correlation with optical and physical properties of composites will be discussed. The learning objective of this lecture is to demonstrate how advanced formulations of composite resins, presenting improved physical properties, high sculptability, and an expanded range of shade selection, will aid the clinician to achieve predictable restorations of the anterior dentition and replication of the polychromatic characteristics of natural teeth.

Curriculum Vitae: Dr. Fahl received his D.D.S. degree from Londrina State University, Brazil, in 1987 and his M.S. degree and Certificate in Operative Dentistry from the University of Iowa College of Dentistry in 1989. Dr. Fahl has lectured internationally and gives continuing education programs on esthetic dentistry in Brazil and other South American Countries. He is a member of the American Academy of Cosmetic Dentistry. Dr. Fahl maintains a private practice in Curitiba, Brazil.



KEVIN H. O'BOYLE, B.DENT.SC.

Tylman Award Winner

"An Investigation Into a New Metal Framework Design for Metal Ceramic Restorations"

Synopsis: Leading ceramists have proposed shortening the facial axial wall of the metal framework of a metal ceramic crown to allow more light transmission into the adjacent root tissue. If more light reaches the root, darkening of the gingiva in the region of the cemented crown may be avoided. In this study a series of 20 crowns were fabricated with four types of metal design ranging from a standard collarless design to a design with the metal ending two millimeters short of the facial axio-gingival line angle. The change in light transmission for each crown type was recorded with and without a cement substitute. The crowns were then subjected to fracture strength tests to investigate whether the new design results in a loss of fracture strength. The results indicated that a 1mm shortening of the metal framework provides the optimal combination of maximal light transmission and minimal loss of fracture strength.

Curriculum Vitae: Dr. Kevin O'Boyle received his BDentSc in 1991 from Trinity College, Dublin, Ireland, and was awarded the Gold medal for Academic Excellence by the Board of the College. He served as Junior House Officer in the Dublin Dental Hospital for one year before entering private practice in 1993. In 1994 he won the American Dental Society of Europe's Education Scholarship and commenced his postdoctoral program in prosthodontics at the University of Texas Health Science Center at San Antonio. Currently Dr. O'Boyle is in the final year of his residency and hopes to graduate in June 1997 with an MS degree and a Certificate in Prosthodontics.

Saturday, February 22, 1997
9:30 - 10:30 a.m.



STEVEN M. MORGANO, DMD

"Restoration of the Endodontically Treated Tooth"

Synopsis: Posts were recommended more than 100 years ago for pulpless teeth to retain artificial crowns. Recent research on restored endodontically treated teeth has challenged some beliefs of the past while confirming others, and our understanding of the causes of failures has improved. Clinical success for the future requires a flexible treatment approach that includes state-of-the-art materials and methods, combined with sound biomechanics. This presentation will review selected, clinically relevant research on the restoration of pulpless teeth along with traditional principles as they apply to the present and the future.

Curriculum Vitae: Dr. Morgano is currently Associate Professor of Prosthodontics at Boston University, School of Dental Medicine and part-time staff prosthodontist at the VA Medical Center, Bedford, Massachusetts. He received his D.M.D. from Tufts University in 1976. In 1977 he completed a general practice residency at Philadelphia General Hospital, and in 1979 was awarded a Certificate in Prosthodontics from the VA Medical Center, Hines, Illinois. Dr. Morgano is contributing author to Tylman's Theory and Practice of Fixed Prosthodontics, 8th edition, and a member of the Editorial Review Board in Fixed Prosthodontics for the Journal of Prosthetic Dentistry. Dr. Morgano has published over 25 articles in refereed scientific literature and is a member of numerous prosthodontic organizations, including the American Academy of Fixed Prosthodontics, the American College of Prosthodontists, and the Academy of Prosthodontics. Dr. Morgano is a Diplomate of the American Board of Prosthodontics and has lectured nationally and internationally.

Saturday, February 22, 1997
11 a.m. - Noon



KENT L. KNOERNSCHILD, DMD, MS

"Endotoxin Affinity as a Determinant of Prosthodontic Material Biocompatibility"

Synopsis: Gram-negative bacterial endotoxin can augment periodontal inflammation through a variety of pathways. Endotoxin affinity varies among prosthodontic materials, and subgingival placement of a material with high toxin affinity could contribute to inflammation in adjacent periodontal tissues. This presentation highlights several factors that may influence the endotoxin interaction with restorative materials in the crevicular environment. In addition, the potential effects of this interaction on cellular metabolism will be discussed.

Curriculum Vitae: Dr. Knoernschild, an Associate Professor in the Department of Oral Rehabilitation and Oral Biology at the Medical College of Georgia School of Dentistry, is a Diplomate of the American Board of Prosthodontics and is active in national and international organizations. He has lectured and published numerous papers concerning the effects of endotoxin affinity for prosthodontic materials on restoration biocompatibility.

Saturday, February 22, 19978
1:30 - 2:30 p.m.



MAURICE SALAMA, DMD

**"Optimizing the Implant Site for Restorative Dentistry:
The Orthodontic Peridontal Connection"**

Synopsis: Deficiencies in the restorative space often requires that orthodontic therapy be included as an integral component in a multidisciplinary treatment protocol which aims at the three dimensional reconstruction of an implant site prior to implant placement. Orthodontic tooth movement can be synergistically combined with periodontal plastic surgical techniques and guided bone regeneration to effectively establish the optimal foundation for functional and esthetic implant restorations. This presentation will highlight the benefits of such an interdisciplinary approach with an emphasis on the role of implant site development, and team planning and sequencing of therapy.

Curriculum Vitae: Dr. Salama received his DMD, and dual specialty certification in Orthodontics and Periodontics, from the University of Pennsylvania School of Dental Medicine. He also completed a General Practice Residency at Maimonides Medical Center in New York City and implant training at the Brancmark Center at the University of Pennsylvania. He is currently Clinical Assistant Professor of Periodontics at the University of Pennsylvania and the Medical College of Georgia. He maintains a private practice in Atlanta, GA. Dr. Salama is an active member of the American Academy of Orthodontics, the American Academy of Periodontics, the Academy of Osseointegration, and the Thomas P. Hinman Dental Society. he also serves as the Dental Expert for Channel 5, FOX TV, in Atlanta on a weekly basis. The dual nature of his specialty training makes him a frequent contributor to the dental literature and sought after lecturer nationally and internationally.

Saturday, February 22, 19978
2:30 - 3:30 p.m.



ROBERT B. O'NEAL, DMD, MS, M.Ed.

"New Age Periodontics and Fixed Prosthodontics"

Synopsis: New designer resorbable membranes and new surgical advances have enhanced our ability to deal more predictably with many of the soft tissue esthetic demands of fixed prosthodontics. Designer membranes provide a means of correcting gingival recession and ridge deformities without using donor tissue from the palate, thus avoiding a second surgical site. Since all these new membranes are resorbable, a second surgical procedure is not required thereby reducing the healing time prior to restorative procedures.

Curriculum Vitae: Dr. O'Neal is the Director of Graduate Periodontic at the University of Washington and is a Diplomate of the American Board of Periodontology. A respected author, lecturer, and practitioner in the field of Periodontics, his research focus is in the use of absorbable membranes in periodontal regeneration of both hard and soft tissues.



ASSAD F. MORA, DMD, MS

**"The Operating Microscope in
Clinical Fixed Prosthodontics"**

Synopsis: Until 1992, the use of higher magnification in restorative dentistry has been limited to the laboratory. Today, the availability of up to 25x magnification combined with coaxial lighting, maneuverable suspension, and 35mm/video outputs make the operating microscope ideal for use in the practice and teaching of restorative dentistry. In contrast, with intraoral video cameras, the operating microscope allows the dentist to see and operate under highly improved visual conditions with uninterrupted imaging capability. This presentation will be an introduction to clinical restorative microdentistry.

Curriculum Vitae: Dr. Mora is a Diplomate of the American Board of Prosthodontics with D.D.S and M.S. degrees from Indiana University. He also served on the faculty at the University of California at San Francisco from 1980-1988, University of the Pacific from 1987-1988, and Indiana University School of Dentistry from 1988-1991. He is currently in private practice in Santa Barbara, CA, where he has been using and experimenting with operating microscope since 1992. Dr. Mora has published and lectured on microdentistry locally and to the JF Johnson Society, the American Academy of Restorative Dentistry, and the American Dental Society of Europe.