THE AMERICAN ACADEMY
OF FIXED PROSTHODONTICS

Forty-sixth Annual Meeting
February 21, 22, 1997

Chicago Marriott Hotel
Chicago, Illinois
**Project Tentative Meeting Dates**

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

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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, when three men who deserve credit for the concept and preliminary planning for the Academy were: Dr. Stanley D. Tylman, Dr. Claude Baker, and Dr. George H. Moulton. These men of vision rallied 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. Klaflennb, 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 1951, where the tentative Constitution and By-Laws were presented for 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 members to our present total of 526 active, honorary, and life members in different countries.

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

Jesse T. Bulla
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. Yack ......................................... 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 Pick ............................................. 1986
Ralph A. Yudofsky ....................................... 1987
William D. Culpepper ................................... 1988
Ronald G. Granger ....................................... 1989
Maurice H. Martel ....................................... 1990
Ronald D. Woody ........................................ 1991
Albert J. Kazis .......................................... 1992
William L. Nequett ...................................... 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 together a program 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
President ........................................... Gerald J. Ziebert
President-Elect ..................................... Richard D. Wilson
Immediate Past President ..................... Harvey L. Colman
Vice President ...................................... Denny M. Smith
Secretary ........................................... Robert S. Staffanou
Treasurer ........................................... Don G. Garver

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Steven A. Aquilino .......................... 1997
Paul V. Archacki .............................. 1997
David W. Eggleston ......................... 1998
Assad F. Mora .................................. 1998
Gerard D. Schulz ............................... 1998
John T. Goodman .............................. 1999
Richard A. Hesby .............................. 1999

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Program Committee ......................... William W. Nagy ’97
Budget and Finance Committee ......... Davis Gariapo ’99
Tylman Research Grant Program ......... Peter S. Lund ’99
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Ethics Committee .............................. Denny M. Smith ’97
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(Committee A) .................................. Steve Rosensteil ’98
(Committee B) .................................. Larry Breeding ’99

AD HOC COMMITTEE CHAIRMAN
Awards Committee ......................... John D. Townsend
Committee for Revision of the
Constitution and Bylaws .................. Richard Cavanaugh

OFFICERS AND DIRECTORS 1996-97

AMERICAN ACADEMY OF FIXED PROSTHODONTICS

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FAX: (908)982-6011

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H: (206)365-1250

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H: (804)550-0765
FAX: (804)358-7586

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Minneapolis, MN 55455
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H: (612)482-9219
FAX (Home): (612)787-0043
FAX (Office): (612)626-2655

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216 John Pott Dr.
Williamsburg, VA 23188
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H: (757)258-4525
FAX: (757)258-4526

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3800 Patterson Ave.
PO Box 7379
Richmond, VA 23221
O: (804)358-7582
H: (804)355-0765
FAX: (804)358-7586
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Jane Brewer '98
H. Philip Pierpoint '98
Edmund Cavazos '99
Martin Land '99
Wayne Campagni '99

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Carl Rieder, Ex Officio
Gerard Schultz '98
Jan Paniener
Gerard Chiche
John Sorenson
Sumiya Hobo

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Peter Lund
Myron Winer
Alexander Chan
Kevin Kopp
Tom Connell

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Harvey Colman '97
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Donna Dixon '97
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Mark Simpson '98

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Betsy Brackett '98
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Bernard Legatto '00

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Peter Lund, Chairman '99
Jack Edge '97
Richard Jordan '97
J. Robert Kelly '99
David Kaiser '01
George Kay '01

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Harvey L. Colman, Chairman
Jesse Bullard
Dale Timberlake

EDITOR
Bill Malone

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Lloyd Miller '97
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Ronald Woody '01
Martin Land '01

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Wayne Harris '99
Mark Simpson '99

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Victor Mackoul '00

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William Nagy '97
Michael Myers '00
John Agar '00
Jerry Young '00

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Ron Stifter, Chmn. '99
David Donatelli '00
Larry Sindledecker '99

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Denny Smith, Chmn.
Tom Bahr
Don Gratton

RESEARCH IN FIXED PROSTHODONTICS COMMITTEE
Committee Co-Chairmen: Steve Rosensteil '98, Larry Breeding '99

Committee A:
Steve Rosensteil, Chairman '98
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

AD HOC COMMITTEES 1996-97

AWARDS COMMITTEE
John Townsend, Chairman
Timothy Busson
William Buchanan

AD HOC COMMITTEE FOR REVISION OF THE CONSTITUTION AND BYLAWS
Richard Cavanaugh, Chmn.
Denny Smith
William Finagin

STANDING PRESIDENTIAL APPOINTMENTS

PARLIAMENTARIANS
Richard Cavanaugh, Chairman
William Finagin

ACP PROSTHODONTIC FORUM
Gerald Ziebert

COUNCIL FOR THE AFFAIRS OF THE AMERICAN BOARD OF PROSTHODONTICS
Richard Wilson
Assad Mora

TABLE CLINICS CHAIRMAN
David Eggleston

SECRETARY FOR GUESTS
Don Garver

EDITORIAL COUNCIL OF THE JOURNAL OF PROSTHETIC DENTISTRY
Herbert Shillingburg

ACP COMMITTEE ON COMPETENCIES IN PROSTHODONTICS
Steve Aquilino
ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING
THURSDAY, FEBRUARY 20, 1997

5:30 p.m.  
7:00 p.m.  

*Early Registration*
5th Floor Foyer  
(MEMBERS ONLY, PLEASE!!!)

6:00 p.m.  
7:00 p.m.  

*Cocktail Reception*
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!!!)

PROGRAM COMMITTEE

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

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<td>Ney Dental International</td>
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<td>Dental Arts Laboratories, Inc.</td>
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<td>Lifecore Biomedical Inc</td>
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### 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

    Dr. Gianni Efiisio, 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 L. 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. Harold 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
THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

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

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. Morigo

10:30-11 a.m. BREAK - EXHIBITS OPEN

11 a.m.-Noon “Endotoxin Affinity as a Determinant of
Prosthodontic Material Compatibility”
Dr. Kent L. Kacornschild

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 a esthetically pleasing result will be evaluated
including the soft tissue interface, color production in ceramo-metal
restorations, the creation of lifelike incisal translucency, surface tex-
ture-luster, and simple chairside procedures for ceramo-metal resto-
ration. 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 edu-
cation 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 Uni-
versity of South Carolina and maintains a general practice in Tulsa,
Oklahoma. His primary areas of interest are in the clinical and labora-
atory fabrication of esthetic ceramic restorations. Dr. Kessler is an ac-
tive 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 SCIENCE OF FIXED PROSTHODONTICS”

Dr. Herbert Plack
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 challenges 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.
Friday, February 21, 1997

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 evidence 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 as 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.

Friday, February 23, 1996
2:30 - 3:30 p.m.

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 restorative 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 Restorative 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.
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.

"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 transmision 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 1 mm 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 1993 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.
STEWEN 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 as 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, Illinois, Illinois. Dr. Morgano is contributing author to Tyman'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.

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.
“Optimizing the Implant Site for Restorative Dentistry: The Orthodontic Peri-odontal 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 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.

“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.