Selected Tentative Meeting Dates

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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 crown and bridge prosthodontics.

The Academy had its origin in 1950 in Chicago, Illinois. The three men who deserve credit for the concept and preliminary 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 514 active, honorary, and life members in 22 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. Bullard
The President’s Message

Harvey L. Colman, DDS
President, 1995-1996

On behalf of the Board of Directors and Officers of the Academy, it’s my special privilege to welcome you to the forty-fifth annual meeting of the American Academy of Fixed Prosthodontics. As a member or guest, practitioner or graduate student, we hope you will benefit from the experience and knowledge to be gained over the next two days. To each of our essayists, thanks to each of you for enriching our program. We appreciate your willingness to share in the demanding interchange of ideas built into this year’s meeting format.

Any successful leader knows that the power of appointment combined with the willingness of people to work for their organization is the key to a successful term of office. This is especially true when choosing a person to organize and conduct a scientific session such as the one in which you are about to become engaged.

For many years, I have respected Dr. Carl Rieder, not only for his abilities as a master clinician, but also because he epitomizes the student who never stops learning. Those of you who know Carl know also that he is more than talk and his demand for perfection is combined with a willingness to share his knowledge with others. In the truest sense of the work, Carl has “spurred” us to become better dentists. Thanks, Carl, I’m indebted to you one more time!

During the next two days, come early and stay late. The commercial exhibitors are once again and ready, willing, and able to provide you with information about the latest products and procedures of importance in the state-of-the-art fixed prosthodontic treatment. Don’t hesitate to move between the essays and the exhibits when they are available to you. They’re here for your benefit and by choosing your own time to spend in the exhibit area, you will have more “one-on-one” time with the exhibitors of your choice.

If the definition of a successful meeting is one in which there is more going on than you can assimilate, we will have a very successful two days. Thanks for being here.
PAST PRESIDENTS

<table>
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OFFICERS

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<tr>
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<td>Harvey L. Colman</td>
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<tr>
<td>President-Elect</td>
<td>Gerald J. Ziebert</td>
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<tr>
<td>Immediate Past President</td>
<td>Jesse T. Bullard</td>
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<td>Vice-President</td>
<td>Richard D. Wilson</td>
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<tr>
<td>Secretary</td>
<td>Robert S. Staffanou</td>
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<td>Treasurer</td>
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BOARD OF DIRECTORS

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<td>Paul V. Archacki</td>
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<td>David W. Eggleston</td>
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<td>Assad F. Mora</td>
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<td>Gerard D. Schultz</td>
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STANDING COMMITTEE CHAIRMEN

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<tr>
<td>Credentials Committee</td>
<td>Gary Toogood '96</td>
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<td>Program Chairmen</td>
<td>Carl E. Rieder</td>
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<td>Budget and Finance Committee</td>
<td>Davis Garlapo</td>
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<td>Membership Committee</td>
<td>Assad Mora '96</td>
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<td>Tylman Research Grant Program</td>
<td>Peter S. Lund '99</td>
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<tr>
<td>Nominating Committee</td>
<td>Jesse T. Bullard '96</td>
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<td>Local Arrangements Committee</td>
<td>Stephen D. Campbell</td>
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<tr>
<td>Constitution and By-Laws Committee</td>
<td>Richard R. Cavanaugh</td>
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<tr>
<td>Editor</td>
<td>William F. Malone</td>
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<td>Publicity and Communications</td>
<td>Assad F. Mora '95</td>
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<tr>
<td>Historian</td>
<td>George J. Schuetz</td>
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<tr>
<td>Future Planning and Policy Committee</td>
<td>Richard D. Wilson</td>
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<td>Newsletter Editor</td>
<td>F. Michael Gardner</td>
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<td>Photographer</td>
<td>Victor P. Mackoul '95</td>
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<td>George H. Moulton Achievement Award</td>
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</table>
President: Harvey L. Colman
UMSD, 15-224 HS, Unit A
515 SE Delaware
Minneapolis, MN 55455
O:(612)625-0653
H:(612)482-9219
FAX:(612)626-2655

President-Elect: Gerald J. Ziebert
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FAX:(414)288-5752

Vice-President: Richard D. Wilson
3800 Patterson Ave.
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Richmond, VA 23221
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H:(804)355-0442
FAX:(804)355-2021

Immed. Past Pres: Jesse T. Bullard
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H:(214)271-3990
FAX:(214)826-0377

Secretary: Robert S. Staffanou
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Santa Barbara, CA 93105
O:(805)687-4747
H:(805)863-1231
FAX:(805)687-0014

Directors:

STANDING COMMITTEES 1995-96

CREDENTIALS COMMITTEE
Gary Toogood, Chairman '96
Herbert Pfack '96
Tim Avedovech '96
Neal Kopp '97
Jerry Andres '97
Jane Brewer '98
H. Philip Pierpont '98

PROGRAM COMMITTEE
Carl Rieder, Chairman '96
William Nagy '97
E. Pat Allen, Ex Officio
Richard Roblee, Ex Officio

MEMBERSHIP COMMITTEE
Assad Mora, Chairman '96
Tom McGarry '96
John Townsend '96

LOCAL ARRANGEMENTS
Myron Winer '98
Steve Campbell, Chairman '97

CONSTITUTION AND BYLAWS
Anthony Sneazwell '98
Richard Cavanaugh, Chairman '97
Charles Goodacre '96
Albert Kazis '96
David Donatelli '97
Lloyd Miller '97

TYLMAN RESEARCH GRANT PROGRAM
Peter Lund, Chairman '99
Michael Myers '96
Yvonne Balthazar-Hart '96
Jack Edge '97
Richard Jordan '97
J. Robert Kelly '99

NOMINATING COMMITTEE
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Dale Timberlake
Bill Nequette

EDITOR
Bill Malone

SECRETARY FOR GUEST
Don Garver

ANNUAL PROGRAM PLANNING COMMITTEE
Richard Wilson, Chairman
Jesse Bullard
Carl Reider
Pat Allen
Richard Roblee
David Eggleston

FUTURE PLANNING AND POLICY
Richard Wilson, Chairman
Jesse Bullard '97
Donna Dixon '97
James Bell '97
Marilyn Aden '98
Mark Simpson '98
### Officers and Directors 1995-96

**American Academy of Fixed Prosthodontics**

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
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<tbody>
<tr>
<td>Resident</td>
<td>Harvey L. Colman</td>
<td>UMSD, 15-224 HS, Unit A, 515 SE Delaware</td>
<td>(612)625-0653</td>
<td>(612)626-2655</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Richard D. Wilson</td>
<td>3800 Patterson Ave., Box 7379, Richmond, WA</td>
<td>(804)355-0442</td>
<td>(804)355-2021</td>
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<tr>
<td>Secretary</td>
<td>Robert S. Staffanou</td>
<td>1930 Sea Way, PO Box 1409, Bodega Bay, CA</td>
<td>(707)875-2927</td>
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<tr>
<td>Treasurer</td>
<td>Don G. Garver</td>
<td>216 John Pott Dr., Williamsburg, VA</td>
<td>(804)786-0832</td>
<td>(804)258-4526</td>
</tr>
<tr>
<td>President-Elect</td>
<td>Gerald J. Ziebert</td>
<td>Marquette Schl. of Dent., 604 N. 16th St., #218</td>
<td>(414)288-7417</td>
<td>(414)288-5752</td>
</tr>
<tr>
<td>Immediate Past President</td>
<td>Jesse T. Bullard</td>
<td>3600 Gaston Avenue, Suite 902 Barnett, Dallas, TX</td>
<td>(214)826-0377</td>
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### Standing Committees 1995-96

**CREDENTIALS COMMITTEE**
- Gary Toogood, Chairman '96
- Herbert Ptack '96
- Tim Avedovech '96
- Neal Kopp '97
- Jerry Andres '97
- Jane Brewer '98
- H. Philip Pierpont '98

**PROGRAM COMMITTEE**
- Carl Rieder, Chairman '96
- William Nagy '97
- E. Pat Allen, Ex Officio
- Richard Roblee, Ex Officio

**MEMBERSHIP COMMITTEE**
- Assad Mora, Chairman '96
- Tom McGarry '96
- John Townsend '96
- Bob Staffanou '97

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- Myron Winer '98
- Steve Campbell, Chairman '97
- Richard Jones '96
- Richard Wells '96
- Tom Connell '96
- Peter Lund '97

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- Anthony Sneazwell '98
- Richard Cavanaugh, Chairman '97
- Charles Goodacre '96
- Albert Kazis '96
- David Donatelli '97
- Lloyd Miller '97

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- Peter Lund, Chairman '99
- Michael Myers '96
- Yvonne Balthazar-Hart '96
- Jack Edge '97
- Richard Jordan '97
- J. Robert Kelly '99

**NOMINATING COMMITTEE**
- Jesse Bullard, Chairman
- Dale Timberlake
- Bill Nequette

**EDITOR**
- Bill Malone

**SECRETARY FOR GUESTS**
- Don Garver

**ANNUAL PROGRAM PLANNING COMMITTEE**
- Richard Wilson, Chairman
- Jerry Schultz
- Carl Reider
- Pat Allen
- Richard Roblee
- David Eggleston

**FUTURE PLANNING AND POLICY**
- Richard Wilson, Chairman '96
- Jesse Bullard '96
- Donna Dixon '96
- James Bell '97
- Marilyn Aden '98
- Mark Simpson '98

**STANDING COMMITTEES 1995-96**

- **President-Elect**: Gerald J. Ziebert, Marquette Schl. of Dent.
- **Immediate Past President**: Jesse T. Bullard, 3600 Gaston Avenue, Suite 902 Barnett, Dallas, TX 75246
- **President**: Richard D. Wilson, 3800 Patterson Ave., Box 7379, Richmond, VA 23221
- **Secretary**: Robert S. Staffanou, 1930 Sea Way, PO Box 1409, Bodega Bay, CA 94923-1409
- **Treasurer**: Don G. Garver, 216 John Pott Dr., Williamsburg, VA 23188
- **Directors**: Stephen D. Campbell, Professor and Head, Dept. of Rest. Dent., JIC, College of Dent., 101 S. Paulina St., Chicago, IL 60612-7212; Martin F. Land, 442 E. 12th Street, Alton, IL 62002; Steven A. Aquilino, Dept. of Pros., UI College of Dent., Iowa City, IA 52242

**STANDING COMMITTEES 1995-96**

- **CREDENTIALS COMMITTEE**: Gary Toogood, Chairman '96
- **PROGRAM COMMITTEE**: Carl Rieder, Chairman '96
- **MEMBERSHIP COMMITTEE**: Assad Mora, Chairman '96
- **LOCAL ARRANGEMENTS**: Myron Winer '98
- **CONSTITUTION AND BYLAWS**: Anthony Sneazwell '98
- **TYLMAN RESEARCH GRANT PROGRAM**: Peter Lund, Chairman '99
- **NOMINATING COMMITTEE**: Jesse Bullard, Chairman
- **EDITOR**: Bill Malone
- **SECRETARY FOR GUESTS**: Don Garver
- **ANNUAL PROGRAM PLANNING COMMITTEE**: Richard Wilson, Chairman
- **FUTURE PLANNING AND POLICY**: Richard Wilson, Chairman '96
- **STANDING COMMITTEES 1995-96**: Presidents, Secretaries, Treasurers, Directors, Committees, Officers, Editors.
BUDGET AND FINANCE COMMITTEE
Davis Garlapo, Chairman
Susan Brackett
Jonathan Ferencz
Gerald Ziebert
Don Garver, Ex Officio

GEORGE H. MOULTON ACHIEVEMENT AWARD COMMITTEE
Ron Woody, Chairman
Jarvis Schmitzer
Herb Ptack

EXHIBITS COMMITTEE
Ron Stifter, Chmn.
David Donatelli
Larry Sindledecker

PUBLICITY AND COMMUNICATIONS
Assad Mora, Chairman '96
Victor Mackoul, '96
George Scheutz '96
William Nagy '97

HISTORIAN
George Scheutz, Chairman
Victor Mackoul

ETHICS COMMITTEE
Richard Wilson, Chmn.
Tom Bahr
Don Gratton

EXHIBITS COMMITTEE
Ron Stifter, Chmn.
David Donatelli
Larry Sindledecker

AD HOC COMMITTEES 1995-96

AWARDS COMMITTEE
John Townsend, Chairman
Davis Garlapo
Jack Lipkin

RESEARCH IN FIXED PROSTHODONTICS
Stephen Campbell, Chairman
Stephen Rosenstiel
Ed Riley
Bill Malone
J. Robert Kelly

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

STANDING PRESIDENTIAL APPOINTMENTS 1995-96

NEWSLETTER COMMITTEE
Michael Gardner, Editor
Michael Myers
Denny Smith
Assad Mora

PARLIAMENTARIANS
Richard Cavanaugh, Chairman
William Finagan

SECRETARY FOR GUESTS
Don Garver

CHAPLINS
Earl Stover
David Seitlin

SMITHSONIAN ADVISORY
Peter Neff
Bill Lefler

TABLE CLINICS CHAIRMAN
David Eggleston

AMERICAN COLLEGE OF PROSTHODONTISTS
PROSTHODONTIC FORUM
Harvey Colman
Gerald Ziebert

EDITORIAL COUNCIL OF THE JOURNAL OF PROSTHETIC DENTISTRY
Herb Shillingburg

COUNCIL FOR THE AFFAIRS OF THE AMERICAN BOARD OF PROSTHODONTICS
Steve Aquilino

ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING
THURSDAY, FEBRUARY 22, 1996

6:00PM
Early Registration
5th Floor Foyer
(MEMBERS ONLY, PLEASE!!!)

7:00PM
Cocktail Reception
5th Floor Foyer
(MEMBERS ONLY PLEASE!!!)

7:45PM
Annual Membership Dinner
5th Floor Foyer, SALONS A,B,C,D
(MEMBERS ONLY PLEASE)

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!!!)
## Exhibit Directory

**Chairman, Exhibits Committee:** Dr. Ronald P. Stifter

<table>
<thead>
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<tbody>
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<td>Condylator Service</td>
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<td>Implant Innovations, Inc.</td>
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**Program Committee**

- **Dr. Carl Rieder**
  - 1996 Program Chairman
- **Dr. William Nagy**
  - 1997 Program Chairman

**Ex officio**

- Dr. E. Pat Allen
- Dr. Richard Roblee
1. "An Aid for Selecting All-Ceramic Crown Materials and Communicating the Dental Laboratory"  
   Dr. Tarek S. Abdel-Halim  
   Chicago, IL

2. "Fabrication of Custom Trays and Baseplates Using a Thermoplastic Material"  
   Dr. Mohammed Al-Rafee  
   Milwaukee, WI

3. "A New Approach in Developing Occlusal Surfaces in Removable Appliances"  
   Dr. Panayiotis Andritsakis  
   Dr. Charalampos Petridis  
   Boston, MA

4. "Temporary & Mock Ups in Porcelain Bonded Restorations"  
   Dr. David L. Baird  
   Bellevue, WA

5. "Posterior Partially Edentulous Implant Options"  
   Dr. George H. Clayton  
   Washington, DC

6. "IPS Empress - Techniques for Success"  
   Dr. Federico Diez  
   Dr. Charles Pechous  
   Milwaukee, WI

7. "Facebow Transfer and Articulator Settings"  
   Dr. Carl G. Wirth  
   Zephyrhills, FL

8. "Start of Dental Technician Student Education on Craniomandibular Biology"  
   Dr. Yasuo Hatano  
   Dr. Yoshitsugu Marumo  
   Chofu, Tokyo, Japan

9. "Ceramic Restorations: A Selection Rationale for Clinical Application"  
   Dr. Manal Ibrahim  
   Chicago, IL

10. "New Clinical Concept and Technique for Evaluating and Establishing Occlusal Plane"  
    Dr. Takeo Iwata  
    Kogeni City, Tokyo, Japan

    Dr. Rafi J. Kohal  
    Freiburg, Germany

12. "Crown, Onlay, Inlay, Veneer - Fitting a Placement"  
    Dr. Thomas Lee  
    Grand Terrace, CA

13. "Restoring Endodontically Treated Teeth - Direct Cast Post and Core Technique"  
    Dr. Joseph A. Lota  
    Ridgewood, NJ

14. "Using a Sustained HA Implant with the Screw Block Attachment to Resolve an Implant Case"  
    Dr. Jorge Ortiz  
    Saltillo, Coah., Mexico

15. "A Study on the Fracture Strength of All-Ceramic Crowns"  
    Dr. Seung-Jin Paek  
    Seoul, Korea

16. "Cast Post and Core - Rationale & Technique"  
    Dr. David J. Seitin  
    Miami, FL

17. "In Vitro Retention Strength of ZrOs-Posts After Insertion With Different Methods"  
    Dr. Marcus Simon  
    Freiburg, Germany

18. "Joint Vibration"  
    Dr. Mark W. Simpson  
    Charleston, WV

19. "Optimizing Esthetics for IPS Empress All Ceramic Crown"  
    Dr. George Tzenakis  
    Milwaukee, WI
IMPLANT SYMPOSIUM
(ALL SPEAKERS WERE ASKED TO ADDRESS THE FOLLOWING QUESTIONS)

1. Should different implant designs and implant surfaces be used for different soft tissue thickness and bone quality? Explain
2. What impression technique (including copings, trays, and materials) do you use? What type of interocclusal records, casts, and articulators do you provide the laboratory?
3. How do you manage a limited implant restoration for a patient whose existing dentition is less than optimum and who also exhibits maxillomandibular relationship discrepancies?
4. What causes retaining screws and attachment screws to loosen? Can they be permanently tightened? Are torque drivers or controllers a necessity? Is there a difference in the effectiveness of the material used to make retaining screws?
5. How do you manage poorly angulated implants that would require off-axis loading by the prosthesis?
6. Mechanically, are segmented abutments indicated over non-segmented abutments? What are the indications for each?
7. Is an implant fail-safe mechanism (e.g., gold attachment screw) or a compliant abutment component(e.g., intramobile element) necessary for an improved prognosis?
8. Are implant-supported provisional restorations needed primarily for patient comfort and esthetic considerations, or do they enhance the prognosis? How do you develop your implant-supported provisional restorations?
9. Can implant and tooth-bone abutments be connected in the same prosthesis? If so, what connecting mechanism do you use?
10. Have you experienced intrusion of natural teeth coupled with an implant-supported restoration? What is your hypothesis for this phenomenon?
11. In the absence of adequate bone, what compensatory procedures do you recommend and what success and/or failures have you experienced?
12. What are the indications of the following retention mechanisms for implant prostheses: screw-retained, definitive cementation, and telescopic design with soft luting material?
13. How do you design and restore a single molar implant?
14. What occlusal design and restorative material is optimum for an implant-supported prosthesis for a partially edentulous patient?
15. What is your experience with wide-diameter implants, flared healing abutments, and wide emergence profile restorations? What are the indications and contraindications for each?
16. What is your experience with implant and component fractures? How can fractures be avoided?
17. What is the single most critical area for advancement in implant dentistry?
CERAMICS SYMPOSIUM
ALL SPEAKERS WERE ASKED TO ADDRESS
THE FOLLOWING QUESTIONS

1. How do you select the type of ceramic restoration for each restorative situation?
2. How does optimum tooth preparation vary with different types of ceramic restorations?
3. What tooth foundation restoration material do you prefer as a substitute for missing dentin?
4. What impression technique (including trays and materials) and what type of interocclusal records do you use? What casts, guides, and articulators do you provide for the laboratory?
5. What methods do you use to fabricate provisional restorations?
6. What procedures do you use to correct occlusal disharmony and maintain occlusal integrity?
7. What technique do you use for shade selection, and how do you communicate this effectively?
8. How do you communicate shape, position, contour, and occlusal and incisal relationships to a remote laboratory?
9. What procedures do you use for internal adjustment of ceramic restorations prior to placement.
10. What luting material and techniques do you use for the definitive placement of ceramic restorations?
11. How do you manage a limited ceramic restoration for a patient whose existing dentition is less than optimum and who also exhibits maxillomandibular relationship discrepancies?
12. In your experience with different types of ceramic restorations, what is the relative marginal integrity of each?
13. Which of the new systems for fabricating ceramic restorations have you used and what advantages and disadvantages have you found with each?
14. In your experience, what systems incur most breakage and to what do you attribute this?
15. In many states, it is illegal to send patients to the laboratory for shade selection. Is this a realistic restriction and why?
16. Do you expect that ceramic materials or new types of resin polymers will eventually replace metal-based restorations?
17. What is the single most critical area for advancement in ceramic restorative dentistry?
Synopsis: A candid discussion of clinical concerns in the practice of implant prosthodontics.

Curriculum Vitae: Dr. English is a Diplomate of the American Board of Prosthodontics. A 1971 graduate of Indiana University, he served with the Veterans Administration and the University of Texas Dental Branch, Houston, TX. He is presently staff prosthodontist (part-time) with the Veterans Administration in Augusta, GA. In addition, he directs a postgraduate program in the prosthodontics with the Medical College of Georgia and maintains a limited private practice in Augusta, GA. He serves on numerous journal boards, is published extensively, and has lectured worldwide. He has clinical experience with over 12 different endosseous implant systems.

Synopsis: This presentation will focus specifically on systematic preoperative diagnosis, including a classification of anterior implant sites and subsequently develop the related therapeutic modalities comprising the use of guided bone regeneration and connective soft tissue grafting, predictability leading to restoration compatible implant positioning and esthetic soft tissue contours. Furthermore, selected restorative aspects such as abutment selection, impression techniques, provisional is for the development of optimal peri-implant soft tissue contours and fabrication guidelines for the definitive superstructure will be discussed.

Curriculum Vitae: Dr. Urs C. Belser is a professor and chairman of the Department of Prosthetic Dentistry at the University of Geneva, Switzerland. He has served as president of the Swiss Association of Prosthetic Dentistry. Belser's research interests concern the fields of: functional behavior of the muscles of mastication, periodontal prosthetics, dental ceramics, adhesive prosthodontics, and dental implants. He has published numerous papers and extensively lectured both nationally and internationally.
Friday, February 23, 1996
1:30AM - 12:00PM
DISCUSSION: DR. URS C. BELSER
PANEL DISCUSSION: ALL SPEAKERS

Synopsis: This presentation will focus primarily on the Branemark implant System.

Curriculum Vitae: Dr. Parel received his dental degree from the Medical College of Virginia in 1969. He spent one year as a general practice resident with the Veterans Administration Hospital in Richmond, VA, followed by a two-year residency in prosthodontics at the Wadsworth Veterans Administration Hospital in Los Angeles. He received his maxillofacial prosthodontics training in Houston, TX, at the M.D. Anderson Hospital and Tumor Institute in 1973. He became a faculty member in the University of Texas System in 1975, rising to the rank of full professor in the San Antonio Medical and Dental Schools in 1978. He most recently served as Head of the Maxillofacial Prosthetics Division in the Department of Prosthodontics. Dr. Parel is a Diplomate of the American Board of Prosthodontics and a member of many professional organizations, including the American Dental Association and American College of Prosthodontists. He has been Course Director for Osseointegration training at the University of Texas Health Science Center School of Dentistry in San Antonio, one of the four original Branemark training centers in the United States. His literature contributions include over 45 scientific articles as principle author, and multiple textbook contributions. He was editor and co-author of Esthetics and Osseointegration, a landmark reference source for implant dentistry and recently authored a second text on the Smileline System. He was co-founder of Osseointegration Seminars Incorporated, is a Past President of the American Academy of Maxillofacial Prosthetics and is immediate Past President of the Academy of Osseointegration. He is a consultant to Nobelpharma.

Friday, February 24, 1996
12:00PM - 1:30PM
ANNUAL ACADEMY LUNCHEON

PRESENTATION OF THE
STANEY D. TYLEMAN RESEARCH AWARDS FOR 1995
Dr. Peter S. Lund
Chairman, Tylman Research Award Committee

FIRST PLACE WINNER
Dr. Paula K. Yliheikkila
University of North Carolina School of Dentistry
"Preliminary Comparison of Mineralizing Multilayer Cultures Formed by Primary Fetal Bovine Mandibular Osteoblasts Grown on Titanium, Hydroxyapatite and Glass"
Research Supervisor: Dr. Lyndon F. Cooper
Program Director: Dr. David A. Felton

SECOND PLACE WINNER
Dr. Tarek S. AbdellHalim
University of Illinois at Chicago
"Internal Dimensional Changes During Setting of Dental Investment"
Research Supervisor: Dr. Stephen D. Campbell
Program Directors: Dr. Peter S. Lund, Dr. Stephen D. Campbell

THIRD PLACE WINNER
Dr. Steven K. Nelson
Medical College of Georgia
"Lipopolysaccharide Affinity for Titanium Implant Biomaterials"
Research Supervisor: Dr. Kent L. Knoernschild
Program Directors: Dr. F. Michael Gardner

PRESENTATION OF THE GEORGE H. MOULTON AWARD FOR
"OUTSTANDING ACHIEVEMENT IN THE ART AND SCIENCE OF FIXED PROSTHODONTICS"
Dr. Ronald D. Woody
Chairman, George H. Moulton Award Committee

1996 Recipient
Dr. Samuel E. Gayer
Chesterfield, MO

PRESENTATION OF NEW MEMBERS FOR 1996
President Harvey L. Colman
**Synopsis:** The fundamental rationale behind the continuous evolution of the IMZ systems hardware and clinical rehabilitation concepts is and always was to optimize biomechanical, periodontal, and mechanical aspects for a user-friendly and predictable clinical application. State-of-the-art implant prosthetics requires, besides precise and intelligent hardware components, a well-understood and clearly structured concept addressing each and every issue during the rehabilitation process for a long-term predictability. Questions, proposed to all speakers, will be discussed in detail.

**Curriculum Vitae:** Dr. Axel Kirsch was born in Bietigheim, Germany, and received his Doctor of Medical Dentistry degree from the University of Freiburg, Freiburg, Germany, in 1969. In 1970 he began experimental and clinical implantology and he is the founder of the IMZ Implant System. He maintains a private practice in Filderstadt, Stuttgart, Germany and is an Associate Professor in the Department of Oral and Maxillofacial Surgery at Loma Linda University, Loma Linda, CA. He is also an Associate Professor in the Department of Oral and Maxillofacial Surgery at Tufts University, Boston, MA. Dr. Kirsch specialized in oral rehabilitation, periodontology, oral surgery, an clinical and experimental implantology. Since 1974, Dr. Kirsch has given training courses and lectured throughout the world on the IMZ Implant System and on preprosthetic surgery and peri-implant prosthetics.
February 23, 1996
8:15AM - 9:00AM
DISCUSSION: DR. GORDON J. CHRISTENSEN
PANEL DISCUSSION: ALL SPEAKERS

Saturday, February 24, 1996
9:00AM - 9:30AM

PANEL DISCUSSION - AUDIENCE QUESTIONS
PANEL MODERATOR: DR. CARL E. RIEDER

DR. CHARLES E. ENGLISH
DR. URS C. BELSER
DR. STEPHEN M. PAREL
DR. AXEL KIRCH
DR. DANIEL Y. SULLIVAN

DR. PETER SCHARER
"All-Ceramic Crowns"

Synopsis: The following issues will be discussed in detail: evaluation of new porcelain systems for full crowns, laminate veneers, and inlays. Discussion will center around Material Aspects: How good are these new systems; Technical Aspects: Marginal fit and laboratory problems; Clinical Aspects: Preparation design, Impression procedures, and Temporization. Cementation will also be discussed regarding the advantages of composite resin cements over conventional cements. Case presentation and discussion of long-term results of full porcelain systems will also be presented. In addition, esthetically modified removable and implant-supported restorations will be shown.

Curriculum Vitae: Dr. Peter Scharer obtained his DMD degree from Zurich University in 1959. He attended graduate school in prosthodontics at Zurich University, completing his course of study in 1962. From 1963 to 1965 he was a graduate student in Periodontics at Eastman Dental Center in Rochester, NY. In 1966 he obtained his MS degree in Dental Research from the University of Rochester in New York. In 1966 he was Visiting Research Associate at Osaka University in Japan. From 1967 to 1972 he was Senior Lecturer in Prosthodontics at the Dental School in Berne, Switzerland. In 1972 he became Head of the Department of Crown and Bridge at Zurich University, Zurich, Switzerland. From 1982 to 1984 he was Dean of the Medical School at Zurich University and since 1994 he has been Dean of the Dental School, Zurich University, Zurich, Switzerland.
Synopsis: Many non-traditional forming techniques have been developed for fabricating dental restorations. Among the most intriguing is the application of CAD/CAM technology in dentistry. This presentation will overview the current status of CAD/CAM and related techniques and offer some perspective of future development.

Curriculum Vitae: Dr. Preston is Chairman of the Department of Oral and Maxillofacial Imaging and The Don and Sybil Harrington Foundation Professor of Esthetic Dentistry at the University of Southern California, Los Angeles, CA. He is Editor in Chief of the International Journal of Prosthodontics. Dr. Preston is a Diplomate and Past President of the American Board of Prosthodontics, Past President of the American College of Prosthodontists, Past President of the International College of Prosthodontics, and Past President of the American Academy of Esthetic Dentistry.

Synopsis: The traditional gold partial coverage restoration has an excellent reputation. Today, however, most patients will object to the visible display of gold. The all-ceramic partial coverage restoration can be an alternative, meeting even the most exacting esthetic demands. Step by step procedures for the fabrication of porcelain only will be presented and the pros and cons will be discussed.

Curriculum Vitae: Dr. Jan H. N. Pameijer graduated from Utrecht University in Holland and received his DMD from Tufts University, Boston, MA, in 1962. He is currently engaged in private practice and Director of the Dental Center for Postgraduate Courses in Hoofddorp, Holland.
"Preliminary Comparison of Mineralizing Multilayer Cultures Formed by Primary Fetal Bovine Mandibular Osteoblasts Grown on Titanium, Hydroxyapatite and Glass"

**Curriculum Vitae:** Dr. Paula Yliheikkila received her DDS degree in 1990 from the University of Helsinki Institute of Dentistry, Finland and practiced for two years in Finland. She obtained her MS Degree and Certificate in Prosthodontics in 1995 from the University of North Carolina School of Dentistry. Currently, Dr. Yliheikkila is an Adjunct Instructor in the Department of Prosthodontics at UNC and teaches in the undergraduate fixed and removable prosthodontic courses. She continues her research interests in the field of bone cell physiology.

**Synopsis:** Bone formation at implant surfaces may be directly influenced by effects of the implant material on osteoblast behavior. Cell culture models of osteoblast physiology may be used to investigate the interaction of osteoblastic cells with various surfaces. In the present study, primary cultured fetal bovine mandibular osteoblastic cells were cultured on titanium, ceramic hydroxyapatite and glass cover slips surfaces to allow for the comparison of the mineralizing matrix elaborated by osteoblasts grown on different implant material surfaces. Morphological and immunohistochemical analysis revealed the similar formation of multilayered, mineralizing cultures on these three surfaces. The qualitative similarity of the matrix formed on these culture surfaces may reflect similar qualitative "in vivo" responses of bone to titanium and hydroxyapatite implants.

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"Analysis of Current Ceramo-Metal Techniques"

**Synopsis:** This presentation will evaluate current ceramo-metal techniques from an aesthetic and functional standpoint. Emphasis will be placed on preparations, marginal integrity, impressioning, shade matching, and cementation. Comparison with all-ceramic crowns and porcelain veneers will be discussed in terms of their respective indications, aesthetic results, and expected durability.

**Curriculum Vitae:** Dr. Gerard J. Chiche is a Full Professor in Fixed Prosthodontics at Louisiana State University. He has been actively involved in Esthetic Dentistry for the last 10 years under the guidance of his chairman, Dr. James D. Harrison, at Louisiana State University School of Dentistry. He has given over 400 programs nationally and internationally. He is a member of the American Academy of Fixed Prosthodontics and also, with Mr. Alain Pinault, the author of the textbook Esthetics of Anterior Fixed Prosthodontics, published by Quintessence Publishing Company.
Dr. Gordon J. Christensen

"Tooth Colored Crowns - 1996"

Synopsis: Non-metallic tooth colored crowns are becoming more popular because of superior esthetics, metal allergies, and the desire to eliminate metal from the mouth. Porcelain fused-to-metal crowns are still used in the majority of patients. Currently, InCeram (Vident) and Empress (Ivoclar) crowns are the most popular. These crowns will be compared with other ceramic brands and with filled resin crowns and partial crowns. All aspects of the crown procedure will be summarized briefly including: diagnostic procedures; tooth preparations; tissue management; impressions; provisional restorations; laboratory procedures; cementation, and post operative preventive procedures.

Curriculum Vitae: Dr. Gordon Christensen is co-founder and Senior Consultant of Clinical Research Associates, which conducts research in all areas of dentistry and relates it to clinical practice. The CRA Newsletter has published research findings to the profession monthly since 1976. Dr. Christensen is Director of Practical Clinical Courses, a continuing education career development program for the dental profession initiated in 1981. Early in his career, Dr. Christensen taught full time at three Universities: Washington, Kentucky, and Colorado. He helped initiate both the University of Kentucky and the University of Colorado dental schools. During this period he served as a Department Chairman, Associate Dean, and Full Professor. He currently participates on the post-graduate faculties of many dental schools and is an Adjunct Professor at Brigham Young University and a Clinical Professor at the University of Utah. He has lectured throughout the world and has published widely. He holds a DDS from the University of Southern California, MSD from the University of Washington and a PhD from the University of Denver. Dr. Christensen is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Dentists, the International College of Dentists, American College of Prosthodontists, the American Academy of Fixed Prosthodontics, the Academy of General Dentistry (Hon), and the Royal College of Surgeons of England.