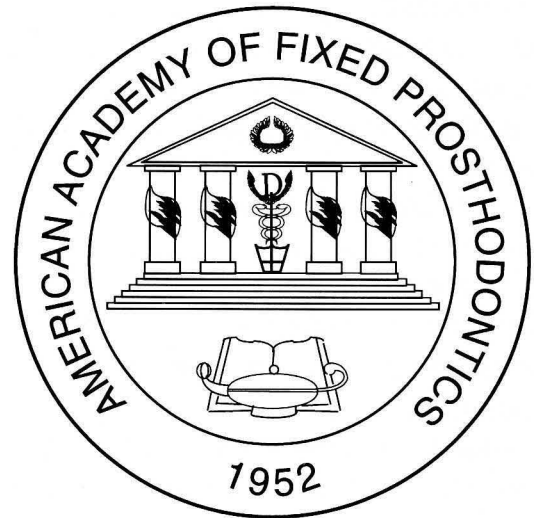


**THE AMERICAN ACADEMY  
OF FIXED  
PROSTHODONTICS**

**FIFTY-ONE YEARS OF  
EXCELLENCE**



**FIFTY-FIRST ANNUAL  
SCIENTIFIC SESSION**

**PROGRAM THEME  
CHOICES, ALTERNATIVES AND  
SOLUTIONS IN THE TREATMENT OF #8  
AND  
A FAILURE FESTIVAL WITH THE OLD  
MASTERS AND THE NEW MILLENNIUM  
STARS PRESENTING PREVENTION OF  
FAILURES**

**FRIDAY, FEBRUARY 22, 2002  
SATURDAY, FEBRUARY 23, 2002**

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## PROJECTED TENTATIVE MEETING DATE

2002 = February 22-23  
 2003 = February 28 - March 1  
 2004 = February 20-21  
 2005 = February 25-26  
 2006 = February 24-25  
 2007 = February 22-23

## THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

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

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

Authored by:  
 Dr. Stephen D. Campbell

## THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Crown and Bridge Prosthodontics 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 aid 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 organized an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were: Dr. 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 as temporary chairman and Dr. Moulton as temporary secretary.

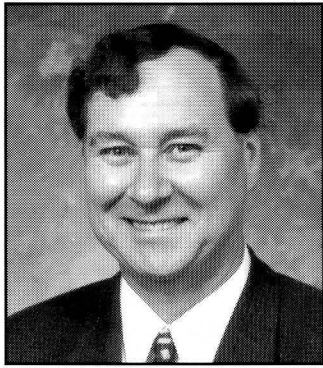
The next meeting was at French Lick, Indiana, on March 19, 1951, where the tentative Constitution and Bylaws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952, in Chicago, making this the first annual meeting of The Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of 1,000 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, skill, and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Authored by:  
Dr. Jesse T. Bullard

## 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 A. 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. Mingledorff ..... | 1985    |
| * Herbert Ptack .....         | 1986    |
| * Ralph A. Yuodelis .....     | 1987    |
| * William D. Culpepper .....  | 1988    |
| * Ronald G. Granger .....     | 1989    |
| * Maurice H. Martel .....     | 1990    |
| * Ronald D. Woody .....       | 1991    |
| * Albert J. Kazis .....       | 1992    |
| * William L. Nequette .....   | 1993    |
| * Dale L. Timberlake .....    | 1994    |
| * Jesse T. Bullard .....      | 1995    |
| * Harvey L. Colman .....      | 1996    |
| * Gerald J. Ziebert .....     | 1997    |
| * Richard D. Wilson .....     | 1998    |
| * Denny M. Smith .....        | 1999    |
| * Davis A. Garlapo .....      | 2000    |
| * Stephen D. Campbell .....   | 2001    |
| * Richard R. Cavanaugh .....  | 2002    |
| * Deceased .....              |         |



**PRESIDENT'S MESSAGE**  
**RICHARD R. CAVANAUGH, DDS**  
 2001-2002

On behalf of our founding fathers, the Officers and Directors, I bid a hearty welcome to all members, guests, students, exhibitors and speakers to the Fifty-First Annual Scientific Session of The American Academy of Fixed Prosthodontics.

As we progress into this New Millennium, each of us will continually be challenged to use our imagination, intellect and experience to diagnose and treat our patient's specific dental needs. Our knowledge and skills need to evolve to meet these ever-growing demands for the discipline of Fixed Prosthodontics.

This year our Program Chairman, David Garber, has brought together 26 international clinicians to expand on all the possible problems and potential solutions for a single tooth - a microcosm of Fixed Prosthodontics. On the second day, our failure festival will allow master clinicians to show us a failure, how they rectified it and how to avoid it in the future. These failures represent the ultimate learning experience. Finally, the New Millennium Stars of dentistry - our hope for the future - will address evolving trends in the genre of Fixed Prosthodontics.

The American Academy of Fixed Prosthodontics was built on the rich tradition of 50 years of learning and sharing. We hope to provide an atmosphere of professional interchange, coupled with fellowship and camaraderie - a total professional experience.

**OFFICERS AND DIRECTORS 2001-2002**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President:** Richard R. Cavanaugh  
 800 Airport Blvd., Doylestown, PA 18901-1000  
 Home: (215) 348-8408 • Office: (215) 345-1155 • Fax: (215) 345-9090  
 E-mail: rcavan@voicenet.com

**President-Elect:**  
 John T. Goodman  
 1022 W. Mitchell, Arlington, TX 76013-2543  
 Home: (817) 265-9109 • Office: (817) 265-1051 • Fax: (817) 274-0202  
 E-mail: jgoodman1022@earthlink.net

**Vice-President:**  
 William W. Nagy  
 6375 North Lake Driver, Whitefish Bay, WI 53217-4343  
 Home: (414) 963-4153 • Office: (414) 288-6578 • Fax: (414) 288-6516  
 E-mail: William.Nagy@marquette.edu

**Immediate Past President:**  
 Stephen D. Campbell, UIC School of Dentistry  
 801 S. Paulina St., Chicago, IL 60612  
 Home: (630) 655-4637 • Office: (312) 996-2669 • Fax: (312) 996-3535  
 E-mail: stephend@uic.edu

**Secretary:**  
 Robert S. Staffanou  
 1930 Sea Way, PO Box 1409, Bodega Bay, CA 94923-1409  
 Home: (707) 875-3040 • Office: (800) 785-9188 access #99 • Fax: (707) 875-2927  
 E-mail: secaafrp@worldnet.att.net

**Treasurer:**  
 Don G. Garver  
 216 John Pott Drive • Williamsburg, VA 23188-6427  
 Home: (757) 258-4525 • Office: (800) 880-5184 • Fax: (757) 258-4526  
 E-mail: dgg216@aol.com

**Directors:**  
 David A. Garber - 2002  
 1218 W. Paces Ferry Rd. NW • Atlanta, GA 30327-2308  
 Home: (404) 843-8096 • Office: (404) 261-4941 • Fax: (404) 261-4946  
 E-mail: dgarber@goldsteingarber.com

H. Philip Pierpont - 2002  
 5402 April Run Court • Sugar Land, TX 77479-4145  
 Home: (281) 980-5308 • Office: (713) 500-4151 • Fax: (713) 500-4425  
 E-mail: pppierpon@mail.db.uth.tmc.edu

Jane D. Brewer - 2003  
 6435 Webster Road, Ste. G, Orchard Park, NY 14127-9677  
 Home: (716) 652-4138 • Office: (716) 662-7229 • Fax: (716) 662-7263  
 E-mail: jdbrewer@mail.com

Stephen F. Rosenstiel - 2003  
 The Ohio State University, College of Dentistry  
 305 West 12th, Columbus, OH 43210-1267  
 Home: (614) 761-1927 • Office: (614) 292-0941 • Fax: (614) 292-9422  
 E-mail: rosenstiel.1@osu.edu

John R. Agar - 2004  
 4 Penwood Road, Bloomfield, CT 06002-1521  
 Home: (860) 242-5615 • Office: (860) 679-374 • Fax: (860) 579-1370  
 E-mail: jragar@aol.com

Nancy R. Chaffee - 2004  
 1400 Crescent Green, #210, Cary, NC 27511  
 Home: (919) 361-2969 • Office: (919) 858-8193 • Fax: (919) 858-8198  
 E-mail: nchaffee@earthlink.net

David A. Kaiser - 2004  
 2 Knapwood, San Antonio, TX 78248-2406  
 Home: (210) 492-9094 • Office: (210) 567-3700 • Fax: (210) 567-6376  
 E-mail: kaiser@uthscsa.edu



## STANDING COMMITTEES 2001-2002

### CREDENTIALS COMMITTEE

Robert Wright, Chairman '02  
Susan Brackett, Secretary '03  
Marshall Hoffer '02  
Marilyn Aden '02  
Dennis Weir '03  
Gary Alexander '03  
Tom Barco '04

### EDITOR

William Malone

### PROGRAM COMMITTEE

David Garber, Chairman '02  
Ronald Goldstein, '02  
Gerard Chiche, '02  
L. James Bell, '03  
John Agar, '04  
Kenneth Malament, Ex Officio  
Harold Litvak, Ex Officio  
Hiroshi Hirayama, Ex Officio

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Tarek AbdelHalim, Chairman '02  
Myron Winer '02  
Alexander Chan '01  
Kevin Kopp '03  
Manal Ibrahim '03  
Daniel Mackey '03

### GEORGE MOULTON AWARD COMMITTEE

Jesse Bullard, Chairman '02  
Gerald Ziebert '02  
Richard Wilson '03  
Denny Smith '03  
Jack Shirley '04

### FUTURE PLANNING AND POLICY COMMITTEE

John Agar, Chairman '02  
Mark Mathews '02  
Ned Van Roekel '02  
Steve Campbell '02  
Bill Nagy '03  
Carl Andres '04  
Denny Smith '04  
James Marzolf '05

### EXHIBITS COMMITTEE

Jack Lipkin, Chairman '03  
Gary Alexander '03  
Barry McKnight '04

### TYLMAN RESEARCH COMMITTEE

Kent Knoernschild, Chairman '04  
Jack Lipkin '03  
Duane Douglas '04  
Bernard Leggatto '06  
Thomas Rea '06  
Julie Holloway '06

### NOMINATING COMMITTEE

Stephen Campbell, Chairman '03  
Davis Garlapo '03  
Denny Smith '02

### HISTORICAL COMMITTEE

David Seitlin, Chairman '05  
Peter Neff '02

### BYLAWS COMMITTEE

Martin Land, Chairman '06  
Gerald Santulli '02  
Dean Morton '03  
Trudy Burke '04  
Xavier Lepe '05

### BUDGET AND FINANCE COMMITTEE

Philip Pierpont, Chairman '03  
Jonathan Ferencz '03  
David Fox '04  
John Goodman, Ex Officio  
Bill Nagy, Ex Officio  
Don Garver, Ex Officio

### PUBLICITY & COMMUNICATIONS COMMITTEE

Michael Myers, Chairman & NL Editor '03  
Steven Nelson '05-Photographer  
Deron Ohtani '05  
John Harrison '05  
Robert Seckinger '05  
Gregg Elefterin '05

### ETHICS COMMITTEE

Bill Nagy, Chairman '02  
Richard Hesby '03  
Gary DeWood '04

### TABLE CLINICS COMMITTEE

Hiroshi Hirayama, Chairman '02  
Faheem Rasool '02  
Tarek AbdelHalim '02  
William Gioia '06  
Paul Correll '06  
David Garber, Ex Officio

## RESEARCH IN FIXED PROSTHODONTICS COMMITTEE

Committee Co-Chairmen:

(A) David Burns '02

(B) Wayne Campagni '03

### Committee A:

David Burns, Chairman '02  
David Beck '02  
Steven Nelson '02  
Bill Malone, Ex Officio

### Committee B:

Wayne Campagni, Chairman '03  
Julie Holloway '03  
George Carr '03  
Bill Malone, Ex Officio

## AD HOC COMMITTEES 2001-2002

### AD HOC COMMITTEE FOR MEMBERSHIP

SubCommittee of Credentials Committee  
Bill Nagy, Chairman

### AD HOC COMMITTEE FOR INFORMATION TECHNOLOGY

Peter Lund, Chairman  
Martin Land  
David Beck

### AD HOC COMMITTEE FOR 2002 MEETING LOGISTICS

Don Garver, Chairman  
Steve Campbell

### AD HOC COMMITTEE FOR SECRETARY FOR GUESTS

John Goodman, Chairman  
Bill Nagy  
Jane Brewer  
Don Garver, Ex Officio

### AD HOC COMMITTEE FOR UNDERGRADUATE FACULTY AWARD IN FIXED PROSTHODONTICS

Russell Williamson, Chairman '02  
Jane Brewer '02  
Alexander Chan '02  
Carl Andres '02

## STANDING PRESIDENTIAL APPOINTMENTS 2001-2002

### PARLIAMENTARIANS

Martin Land, Chairman  
William Finagin

### SECRETARY FOR GUESTS

Don Garver

### MEETING SITE DIRECTOR

Don Garver

### CHAPLAINS

Earl Stover  
David Seitlin  
Robert Lorey

### ACP PROSTHODONTIC FORUM REPRESENTATIVES

Richard Hesby, Chairman '02  
Richard Cavanaugh

### AD INTERIM COMMITTEE

Richard Cavanaugh, Chairman '02  
Steve Campbell, '02  
Jane Brewer '02

### COUNCIL FOR THE AFFAIRS OF THE AMERICAN BOARD OF PROSTHODONTICS

Kent Knoernschild

### PAST TYLMAN AWARD WINNERS \*

(\*DATE LISTED IS DATE AWARDED-AWARD ACTUALLY WON YEAR BEFORE)

1979: Dr. James N. Ciesco  
1980: Not awarded  
1981: Dr. Timothy O. Hart  
1982: Not awarded  
1983: Dr. David Alan Chance  
1984: Dr. Jeffrey L. Hudgins  
1985: Dr. George W. Kay  
1986: Dr. Anthony J. G. Dickinson  
1987: Dr. Izchak Bartzilay  
1988: Dr. Susan E. Brackett  
1989: Not awarded  
1990: Dr. Shane N. White  
1991: not awarded  
1992: not awarded  
1993: Dr. Louis Menegotto  
1994: Dr. Syed Faheem Rasool  
1995: Dr. Fonda G. Robinson  
1996: Dr. Paula K. Yliheikkila  
1997: Dr. Kevin H. O'Boyle  
1998: Dr. David G. Gratton  
1999: Dr. Douglas E. Ford  
2000: Dr. Reza Heshmati  
2001: Dr. Salman A. Lakhani  
2002: Dr. Periklis Proussaefs

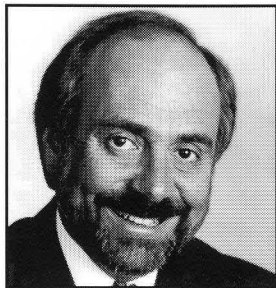
### Past Moulton Award Winners

1992: George H. Moulton  
1993: Ernest B. Nuttall  
Max Kornfeld  
1994: Robert J. Nelson  
1995: Everitt V. Payne  
1996: Samuel E. Guyer  
1997: Roland W. Dykema  
1998: Herbert T. Shillingburg, Jr.  
1999: Not Awarded  
2000: Lloyd L. Miller  
2001: Ralph Yuodelis  
2002: Robert S. Staffanou

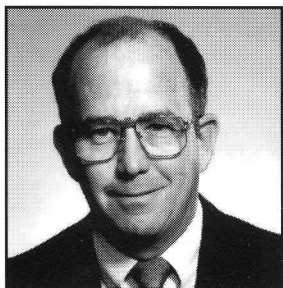
### ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING THURSDAY, FEBRUARY 21, 2002

|               |  |
|---------------|--|
| 5:30PM-7:00PM | <i>Early Registration for Members</i><br>5th Floor Foyer   |
| 5:30PM-7:00PM | <i>Early Registration for Guests</i><br>7th Floor Foyer  |
| 6:00PM        | <i>MembersCocktail Reception</i><br>5th Floor Foyer  |
| 7:00PM        | <i>Members Annual Dinner</i><br>5th Floor Chicago Ballroom   |
| 8:00PM        | <i>Members Annual Business Meeting</i><br>5th Floor Chicago Ballroom<br>President's Message<br>Business Meeting<br>Town Hall Meeting |
| 9:00PM        | <b>Adjourn</b>   |
| To Follow     | Town Hall Meeting  |

## PROGRAM CHAIRMEN



David Garber  
Program Chairman 2002



L. James Bell  
Program Chairman 2003



Harold Litvak  
Ex Officio



Kenneth Malament  
Ex Officio

## EXHIBIT DIRECTORY

### BOOTH NUMBER

### EXHIBITOR NAME

- 1 ..... BISCO
- 2 ..... METALOR TECHNOLOGIES
- 3 ..... ULTRADENT PRODUCTS, INC.
- 4 ..... FRIADENT NORTH AMERICA
- 5 ..... PANADENT CORPORATION
- 6 .....
- 7 .....
- 8 .....
- 9 .....
- 10 ..... WHIPMIX CORPORATION
- 11 ..... THE STRAUMANN COMPANY
- 12 ..... QUINTESSENCE PUBLISHING CO. INC.
- 13 ..... QUINTESSENCE PUBLISHING CO. INC.
- 14 ..... WATER PIK TECHNOLOGIES
- 15 ..... WATER PIK TECHNOLOGIES
- 16 ..... VALLEY DENTAL
- 17 ..... ORASCOPTIC RESEARCH, INC.
- 18 ..... ASTRA TECH
- 19 ..... VIDENT
- 20 ..... STERNGOLD
- 21 ..... NOBEL BIO CARE
- 22 ..... LIFECORE BIOMEDIAL
- 23 ..... PREAT CORPORATION
- 24 ..... DENTATUS USA, LTD.
- 25 ..... BRASSELER USA
- 26 ..... ARGENT PRECIOUS METALS, INC.
- 27 ..... GREAT LAKES ORTHODONTICS
- 28 ..... CUSP DENTAL - NORITAKE
- 29 ..... CONDYLATOR SERVICE
- 30 ..... SUTER DENTAL MFG. CO., INC.
- 31 ..... VAN R/CADCO/CLIVE
- 32 ..... IVOCAR VIVADENT
- 33 .....

**2002 TABLE CLINICS PROGRAM**  
**FIFTH FLOOR BALLROOM, 12:00PM-2:00PM**  
**EXHIBITS OPEN, FOOD AVAILABLE**  
**TABLE CLINIC CHAIRMAN - DR. HIROSHI HIRAYAMA**

Non-rigid connectors for fixed prosthodontics.

Dr. Mike Rachich

Stress analysis of fiber reinforced composites for fixed partial dentures.

Dr. Akikazu Shinya & Dr. Tetsuji Matsuda

Tooth preparation: A study on the effect of different variables and a comparison between conventional and channeled diamond burs.

Dr. Daniel Galindo & Dr. Carlo Ercoli

Optical behavior of post and cores used for the anterior esthetic region.

Dr. Konstantinos Michalakis, Dr. Hiroshi Hirayama

Analysis of color for the Vitapan 3D Master Shade Guide.

Dr. Shang-Lun Kuo & Dr. Alvin G. Wee

Predicting the color of opaque feldspathic porcelain mixtures.

Dr. Alvin Wee

Immediate implant-supported fixed cantilever bridge using the CAD/CAM technology.

Dr. Milos Tomic & Dr. George-Rudolf Strub

Diagnostic imaging and use of surgical stents for ideal implant placement.

Dr. Aparna Krishnamurthy

Fixed provisional prosthesis for edentulous patients.

Dr. Ahmed Shamiyah

Assessing diagnostic data in relation of treatment outcome in patient with TMD.

Dr. Yasuo Hatano & Dr. Sachiko Tomita

Immediate provisional implants to stabilize a surgical template in an edentulous patient.

Dr. Alfonso Monares

3D workstation for designing dental restorations.

Dr. Seigbert Witkowski & Dr. Ralf Bannuscher

Sintering Technology and New Ceramometal crowns in the esthetic Dentistry.

Dr. Nitin Khankari

Fracture Strength of Empress 2 ceramic and Targis-Vectris Crown.

Dr. Jae-Ho Yang & Dr. Jung-Suk Han

15. Factors affecting abutment selection with the Astra Tech Dental Implant System.

Dr. Maria Chatzistavrou

16. In vitro investigation of the antibacterial activity of six dental luting cements.

Dr. Ashraf Gonim

17. Diagnostic and surgical templates for dental implant treatment.

Dr. Kwok-hung Chung

18. Length Modification of immediate transitional implants.

Dr. Dr. Hyeong-Il Kim

19. Prosthodontic application of Implant carriers.

Dr. Nestor Schejtman & Dr. Mario Ribas

20. Relationship between marginal adaptation of artificial crowns and periodontal tissue under magnification.

Dr. Satoshi Miyamoto

21. Failure registry for tooth-borne fixed prostheses.

Dr. Kenneth Kurtz

22. Rehabilitation of edentulous mandible with enlarged tori using translational and definitive implants.

Dr. Myra Brennan

23. Soft tissue replication techniques for esthetic implant treatment therapies.

Dr. Konstantinos Pallis

24. The cutting efficiency and resultant surface roughness of various dental burs on prepolished commercially pure and titanium alloy implant abutments.

Dr. Chetan Daulat

25. Investigations of lateral forces as the primary etiology in abfraction lesions.

Dr. Ryan Farnum

### **Reserve Table Clinics**

1. A method to transfer tooth modification from diagnostic cast to patient's mouth for an immediate RPD by using resin jig.

Dr. Arron Sheinfeld & Dr. Robert Pellicchia

2. Effect of angulation of customized abutments related to prosthodontic complications - External Hexed system.

Dr. Fukion Iatridis & Dr. Saknun Laosunthara

3. Detection and correction of defective contacts by using a computerized occlusal device and conventional articulating films.

Dr. Maria Magurno & Dr. Theodore Trakas

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
FIFTY-FIRST ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 22, 2002**

**CHOICES, ALTERNATIVES, SOLUTIONS IN THE  
TREATMENT OF #8**

**(The Right Maxillary Central Incisor)**

7:00AM: **Registration, 7th Floor Foyer, Salon III**  
Continental Breakfast in Exhibit Hall

8:15AM: Introductions and Remarks  
Dr. Richard R. Cavanaugh, President  
Dr. David A. Garber, Program Chair

**PART I - THE RESTORABLE TOOTH**

**A. Supracrestal Uncomplicated Fracture (Bond, Veneer, Crown)**

8:30AM: Dr. Douglas Terry - **Direct Composite Bonding**  
8:50AM: Dr. Jacinthe Paquette - **Indirect Ceramic Veneers**  
9:10AM: Mr. Pinhas Adar - **Crowns**

**B. Supracrestal Complicated Fracture and/or Avulsion  
(Pulp-capping, endodontics, post & core or build-up)**

9:40AM: Dr. Martin Trope - **Pulp-capping/Reimplantation**

10:00AM: Break

10:30AM: Dr. Dan Nathanson - **Post Systems/Cores/Build-ups**

**C. Subcrestal Root Fracture (Surgery vs. Orthodontics)**

10:50AM: Dr. Henry Salama - **Ortho. Extrusion/Crown Lengthening**

**D. Impression Material for Fixed Prosthodontics**

11:15AM: Dr. Alan Boghosian - **Impression Making**

11:40AM: **"Techniques to improve the resistance of crowns  
on tooth preparations lacking resistance form"**  
Dr. Periklis Proussaefs, Tylman Winner

**12:00PM-1:30PM ANNUAL LUNCHEON-Members and Guests  
Fifth Floor Ballroom**

**PART II - REPLACEMENT OF #8**

1:30PM: Dr. Konrad Meyenberg-"Bridges" - **Ceramo-Metal vs All Ceramic**  
2:00PM: Dr. Carlo Marinello-**Resin Bonded Retainer**  
2:20PM: Dr. Baldwin Marchack-**Patient Beyond the Technique**  
2:45PM: Dr. Henry Salama-**The Implant Supported Single Tooth**

3:10PM: Break

3:40PM: Dr. Ole Schwartz-**The Transplanted Tooth**  
4:15PM: Dr. Edward Swift-**Cementing Mediums**  
5:00PM: No Host Cocktail Reception

Note: Exhibits will be open continuously from 7:00AM to 5:00PM for your convenience

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
FIFTY-FIRST ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 23, 2002**

7:00AM **Registration, 7th Floor Foyer, Salon III**  
Continental Breakfast in Exhibit Hall

**The Old Masters Present a Failure Festival  
While**

**The New Millennium Stars Address  
Preventing Failures In Fixed Prosthodontics**

8:00AM: **Introduction: Dr. David Garber**  
8:15AM: Dr. Nitzan Bichacho  
8:35AM: Dr. Lloyd Miller  
8:55AM: Dr. Bernard Touati  
9:15AM: Dr. Daniel Sullivan  
9:35AM: Dr. Vincent Celenza

9:55AM: Break

10:30AM: **Announcements: Dr. David Garber**  
10:35AM: Dr. Ronald Goldstein  
10:55AM: Dr. Stuart Isler  
11:15AM: Dr. Jaime Gil  
11:35AM: Dr. Nasser Barghi  
11:55AM: **Announcements: Dr. David Garber**

12:00PM: **Table Clinics 5th Floor Chicago Ballroom**  
**Light Food and Beverage Available**  
**Exhibits close at 2:00PM**

2:00PM: **Afternoon Introductions: Dr. David Garber**

2:10PM: Dr. Frank Celenza  
2:30PM: Dr. William Becker  
2:50PM: Dr. Lambert Fick  
3:10PM: Dr. Gerard Chiche  
3:30PM: Dr. Kenneth Malament  
3:50PM: **Closing Remarks:**

**President Richard Cavanaugh**

Note: Exhibits will be open continuously from 7:00AM to 2:00PM for your convenience

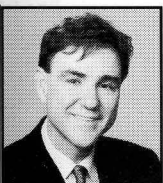


### PROGRAM DESCRIPTION

Friday's program will address **THE CHOICES, OPTIONS, and ALTERNATIVES - IN THE TREATMENT OF #8**. This is a proposed treatment planning model based on the classification of dental traumatic injuries by Jens Andreason whereby we categorize all prosthodontic techniques into two segments, addressing either:

1. The **Salvageable** Tooth - involving *reparative* therapy to #8 (maxillary right central incisor).
2. The **Hopeless** Tooth - showcasing *replacement* alternatives for a lost #8 (maxillary right central incisor).

#### **Morning Session - The Salvagable Tooth**



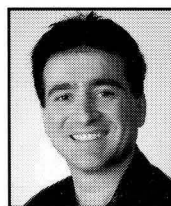
**Dr. Douglas Terry:** National and International Lecturer in esthetic dentistry. Assistant Professor at the University of Texas Houston, and a faculty member at the USC Center for Esthetic Dentistry. He practices in Houston, TX.

In the salvagable tooth, the most innocuous injury is that of a coronal fracture of the enamel alone or enamel and dentin. A supracrestal coronal enamel fracture is usually readily handled with **direct composite bonding** and **Dr. Douglas Terry** will address the pros and cons of bonding today, due to the dramatic evolution of not only new composite materials and bonding procedures but similarly new innovative techniques where "form defines color". He will explain to us just what we can expect to do with composite and then how long we can expect it to last.



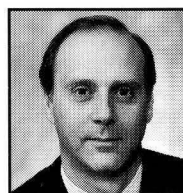
**Dr. Jacinthe Paquette** is an Associate Clinical Professor at USC and a researcher in dental materials. She is a national and international lecturer in esthetics and her other areas of expertise. She maintains a private practice in Newport Beach, CA.

The somewhat more significant intracoronal fracture may require a **ceramic veneer** and **Dr. Jacinthe Paquette** will address the use of these slivers of porcelain to redevelop form and function of a more compromised tooth. Dr. Paquette will address just how one goes about veneering a tooth, the advantages and disadvantages in its use, as well as the materials and methods to be used. She will finish up with relevant data on long-term success rates in the various clinical scenarios.



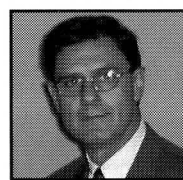
**Mr. Pinhas Adar** is a Master Ceramist who trained with Willi Geller in Zurich, Switzerland. He conducts research and teaches from his Oral Design Center Atlanta, Inc. and state-of-the-art laboratory in Atlanta, GA. He has worked with many of the world's leading clinicians and is an acclaimed lecturer.

In the severely compromised coronal fracture, a **full coverage restoration** (crown) is often indicated. When crowning a tooth, the first decision to be made is whether to use porcelain fused-to-metal or the newer all-ceramic systems. **Mr. Pinhas Adar** has years of experience utilizing all systems (often on the same case) to effectively evaluate the pros and cons of each. He will compare the new vertically reduced metal ceramic techniques versus each of the different all-ceramic systems, Empress, Procera, Authentic, Captik, etc.. He will show you which system to use and when to use it.



**Dr. Martin Trope** is Professor and Chair of the Department of Endodontics at the University of North Carolina. He is a nationally and internationally recognized authority in his field. He is Director of the American Board of Endodontics.

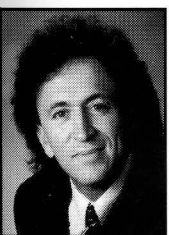
As the severity of the injury increases, it may be a complicated crown fracture such that the pulp is exposed or a tooth is actually avulsed and we call upon **Dr. Martin Trope** to show us the incredible potential to **revascularize a pulp and/or reimplant an avulsed tooth** with long-term predictability. He will establish the latest guidelines for both salvaging the pulp and reimplanting the entire luxated tooth.



**Dr. Dan Nathanson** is Professor and Chairman of the Department of Restorative Sciences and Biomaterials at Boston University. He is a member of many professional organizations and a national and international lecturer and author.

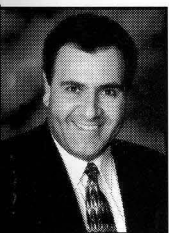
If a coronal fracture involves the pulp, endodontic therapy is then required. Subsequent restoration requires the use of either **a post, buildup or a cast post and core**. Today the market leaves the clinician with a vast array of metal, graphite and zirconium posts, and it will be **Dr. Dan Nathanson's** task to educate us as to the relative benefits of one versus the other.





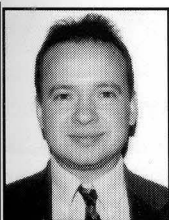
**Dr. Henry Salama** is a Clinical Assistant Professor and former director of the Implant Research Center at the University of Pennsylvania. He maintains a private practice in Atlanta limited to advanced restorative and implant therapy. His research is on immediate and early loading of root form implants.

Should the tooth fracture actually extend down to the root there are now two options -- remove the tooth and replace, or expose more of the tooth and with **orthodontic eruption and/or crown lengthening** followed by a crown. **Dr. Henry Salama** will address this time tested technique so key to salvaging individual fractured teeth and show the relative benefits of orthodontic extrusion and/or surgery as opposed to extraction and replacement.



**Dr. Alan Boghosian** is an Assistant Professor of Clinical Surgery at Northwestern University Medical School. He has authored numerous publications and has lectured nationally and internationally on dental materials and restorative procedures. He belongs to numerous professional organizations and has received many awards.

This morning continues with a lecture by **Dr. Alan Boghosian** on why we need to use different **impression materials** for different clinical situations such as single or multiple crowns, partial coverage, post and cores and/or implants. Today impression materials have become technique specific and key to the success of indirect restorations.



**Dr. Periklis Proussaefs** graduated from the University of Athens, Greece. He complete a 4 year program in Prosthodontics and Implant Dentistry at Loma Linda Dental School. He is an Assistant Professor in the Graduate Implant Program and he is the winner of the 2001 Tylman Award.

This original study evaluated the effects of different auxiliary preparation designs on the resistance form on crowns with reduced axial wall and total occlusal convergence. The modification that can significantly enhance the resistance form of a crown is the reduction of the total occlusal convergence at the cervical half of the axial wall.

**ANNUAL ACADEMY LUNCHEON  
PRESENTATION OF THE STANLEY D. TYLMAN  
RESEARCH AWARDS FOR 2001\***

DR. KENT L. KNOERNSCHILD  
CHAIRMAN, TYLMAN RESEARCH COMMITTEE

**FIRST PLACE WINNER**

Dr. Periklis Proussaefs  
Loma Linda University School of Dentistry  
"Techniques to improve the resistance of crowns on tooth preparations lacking resistance form"  
Program Director: Dr. Wayne V. Campagni  
Research Mentor: Dr. Wayne V. Campagni

**SECOND PLACE WINNER**

Dr. Chetan Daulat  
University of Maryland School of Dentistry  
"The cutting efficiency and resultant surface roughness of various dental burs on preable commercially pure and titanium alloy implant abutments"  
Program Director: Dr. Carl F. Driscoll  
Research Director: Dr. Carl F. Driscoll

**THIRD PLACE WINNER**

Dr. Ryan Farnum  
University of Texas Health Science Center San Antonio  
"Investigations of lateral forces as the primary etiology in abfraction lesions"  
Program Director: Dr. Robert Cronin  
Research Director: Dr. Daehwan Shin

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

Dr. Jesse T. Bullard  
Chairman, George H. Moulton Award Committee

2002 Awardee: Dr. Robert S. Staffanou

**PRESENTATION OF NEW AAFP MEMBERS**

Dr. Richard R. Cavanaugh  
President, AAFP

\*We wish to acknowledge the generous support of the following corporate sponsors: Nobelpharma, Bisco, Vident, Editorial Council of the Journal of Prosthetic Dentistry.

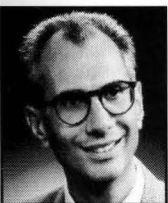
## Afternoon Session - The Hopeless Tooth, Replacement Alternatives

In this afternoon session, we accept that the tooth has to be removed or is lost and replacement becomes essential. Here our options include:



**Dr. Konrad H. Meyenberg** is a senior lecturer at the Universities of Zurich and Basel Dental Schools. He is an internationally recognized speaker in the fields of esthetic dentistry, perio-prosthodontics and implants. He maintains a private practice in Zurich.

Replacement with a full coverage bridge and pontic. This could be porcelain fused to metal, all-ceramic or even composite. In the last decade, new techniques have been introduced to optimize the technical, biologic and esthetic outcomes of conventional bridgework by altering preparation form, metal design and using optically esthetic ceramics. **Dr. Konrad Meyenberg** will combine these with esthetic ovate pontics that create the "illusion of reality" by emerging out of the tissue to show that a bridge can be indistinguishable from the adjacent natural teeth.



**Dr. Carlo P. Marinello** has been Head of the Department of Fixed and Removable Prosthodontics at the University of Basel since 1995. He has also been a visiting research professor at Gothenburg and earned his MS degree at the University of Gothenburg in 1995.

If, however, #8 is lost without any compromise to the adjacent teeth, then a resin bonded retainer (Maryland Bridge) often becomes the treatment of choice. **Dr. Carlo Marinello** will demonstrate the techniques substantiated by long-term data. He will describe a rationale for when to use the resin bonded retainer as opposed to bridgework or implants.

Friday, February 22, 2002  
Afternoon Session



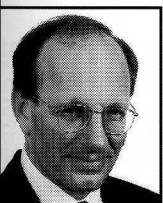
**Dr. Baldwin W. Marchack** is an Associate Clinical Professor at USC Dental School and is Vice-Chairman of the Editorial Council for the JPD. He lectures nationally and internationally and has authored numerous articles. He maintains a private practice in Pasadena, CA.

Knowing the esthetic technique may be the key to clinical success, but a successful practice remains patient dependant. **Dr. Baldwin Marchack** will explain the reason why some of us are so much more effective than others in patient management and selection - the patient beyond the technique.



**Dr. Henry Salama** is currently in private practice in Atlanta limited to advanced restorative and implant therapy. He is the former Director of the Implant Research Center at the University of Pennsylvania.

When the compromised tooth is destined to be lost, it can be preemptively taken out and immediately replaced with an implant and a temporary simultaneously - Immediate Total Tooth Replacement. **Dr. Henry Salama** will address this evolving technique and the simplified armamentarium required. At times the supporting structures have been lost and these need to be reconstructed prior to implant replacement so that they may mimic the esthetics of the adjacent teeth. Therefore, when contemplating an implant, the question becomes - "is it simply an implant, an implant with a soft tissue graft, or an implant with a soft tissue graft and bone regeneration?" Dr. Salama will show the use of orthodontics to expedite this process.



**Dr. Ole Schwartz** is Chairman of the Department of Oral and Maxillofacial Surgery at the University of Copenhagen. Dr. Schwartz has over 46 publications and book chapters on numerous surgical and related topics. He is an internationally recognized speaker.

Finally, we get to the rather exotic alternative of **the autotransplanted tooth**. **Dr. Ole Schwartz** will show how the use of a second premolar taken from the palate to replace a missing anterior tooth can provide all the benefits of a natural tooth, including the reformation of the periodontal ligaments, etc. . Thereafter, with a little help from a veneer or a crown, it can be made to look like the adjacent central incisor. A viable alternative to implants and Maryland Bridges.



**Dr. Edward Swift** is Professor and Chairman of the Department of Operative Dentistry at the University of North Carolina School of Dentistry. Dr. Swift is actively involved in dental materials research, particularly in the area of dentin bonding and other aspects of adhesive dentistry.

Lastly, any one of these restorations has no longevity without the correct decision on which **cement or luting agent** to utilize. The conflicting needs of the all-ceramic crown, different metal substructures and the underlying tooth elements make this decision inordinately complex. **Dr. Edward Swift** will give us the necessary information on which cement to use, when to use it and why to use it in order to increase long-term predictability of any procedure.

**Day one addresses the complete gamut of fixed prosthodontics techniques focusing on a single tooth in the anterior of the mouth for your learning of new and interesting techniques.**

## **The Old Masters Present a Failure Festival While the New Millennium Stars Address Preventing Failures in Fixed Prosthodontics**

***This will be a day filled with "pearls" pertinent to your next day in clinical practice.***

***It is obvious that we potentially learn best from our mistakes.*** With this in mind, Saturday's program will be directed towards a **Failure Festival**. Using a new format, with two separate podiums and no introductions, "The Old Masters and The New Millennium Stars" will demonstrate their prowess in handling the clinical misadventures we all encounter in day-to-day practice. The Old Masters have been asked to show **a clinical failure, explain why it occurred, what they did to rectify it and how to eliminate the problem in the future.** The New Millennium Stars will address similar topics and how to preemptively prevent these types of failures. This is undoubtedly a clinically based program with a wealth of information pertinent to our everyday practices.

**(Photos and C.V. on pages 28-31)**

Starting with **Dr. Nitzan Bichacho** who will follow up on yesterday's topic of #8 and present a problem that occurred while replacing a central incisor, before moving on to innovative solutions to avoid this type of predicament.

Master Clinician, **Dr. Lloyd Miller**, will address a particularly timely topic - esthetic failures with functional distress - how misjudging the envelope of the mandibular function is often a frequent precursor to both esthetic and functional distress.

**Dr. Bernard Touati** will again address replacement of the single tooth with implant supported restorations and the esthetic functional and biologic hurdles that need to be overcome, as an esthetic failure is invariably determined by inadequate site development.

Master of implants, **Dr. Daniel Sullivan**, will look back on his long history with implants categorizing implant prosthetic failures. The question "would I do it this way again" may well be the most important question the restorative dentist can ask himself following any implant case completion. Dr. Sullivan will evaluate failures, how to intercede to prevent failure and the biomechanical issues involved.

Saturday, February 23, 2002  
Morning Session

For many years the only fixed alternative to implant support was often the use of cantilevers. **Dr. Vincent Celenza** will help us decide whether cantilevers are a clever solution or in fact a problem waiting in the wings. "Cantilevers friend or foe" will answer many of the questions we have all encountered.

**Dr. Ronald Goldstein** will show us the obstacles encountered in matching one central incisor restoration to an adjacent natural tooth. As one of the early masters of direct bonded composite resin, he will show you the multitude of pitfalls encountered in his own personal history.

Following on this **Dr. Stuart Isler** will focus on the role of the maxilla in making cosmetic changes to the teeth, soft tissue and overall smile. Failure to understand this important structure can result in a total lack of facial harmony and beauty. Due to the maxilla's foundation "beauty is about bone". He will deal with tooth color triangulation in the subsequent restorative phase.

Following on in this interdisciplinary mode, **Dr. Jaime Gil** will show how the lack of a multidisciplinary approach can result in various forms of esthetic prosthodontic failure.

Moving from the bone to the teeth, **Dr. Nasser Barghi** will show how to prevent failures of anterior etched porcelain bonded restorations. He classifies these failures as adhesive and cohesive, fractures, tooth or porcelain interface debonding, marginal leakage and sensitivity. He will show why these occur, as well as how to prevent them in your future restorative endeavors.

12:00PM      **Lunch Break and Annual Table Clinic**  
**Session 5th Floor Chicago Ballroom**

Saturday, February 23, 2002  
Afternoon Session

## 2:00PM: AFTERNOON SESSION

Master of Occlusion, **Dr. Frank Celenza** will address an old prosthetic dilemma "centric position", explaining how an inadequate understanding of this relationship will result in concomitant functional failure.

"A tail of two patients" with implant failures showcased by Master Periodontist, **Dr. William Becker**, will demonstrate an anterior implant failure and how to recover from this type of failure while avoiding it in the future. Prognostic diagnosis in the second case could similarly have prevented the failure.

"Failsafe direct posterior restorations, fact or fiction." We have all experienced problems with direct composite restorations with resultant pain, marginal breakdown, and where patient awareness of white restorations demands the use of these in certain specific situations. **Dr. Lambert Fick** will show a failsafe documented approach to avoiding problems in those situations that demand this type of restoration.

**Dr. Gerard Chiche** will return to the porcelain laminate veneer, as it has become one of the staples of the prosthodontists' armamentarium. He will address the problems he has encountered with these ubiquitous restorations, how these failures occur, why they occur, and how to correct them in the future.

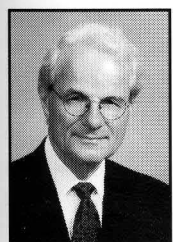
The all-ceramic restoration plays an ever increasing role in the prosthodontist's armamentarium and **Dr. Kenneth Malament** will present his vast amount of clinical data on complete and partial restorations and the precursors that lead to failure. These might include tooth position, actual core material, ceramic etching, bonding, luting agent, and perhaps most important of all, preparation form.



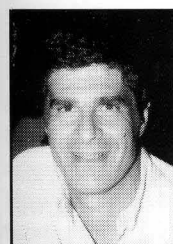
**SATURDAY'S SPEAKERS IN ORDER OF  
APPEARANCE**



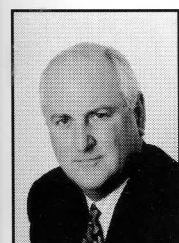
**Nitzan Bichacho, DMD:** Dr. Bichacho maintains a private practice limited to prosthodontics in Tel Aviv, Israel. He is currently President of the European Academy of Esthetic Dentistry and serves as a senior company management consultant at: Heraeus Kulzer (Germany), Nobel Biocare (Sweden & U.S.) and Dentatus (Sweden & U.S.).



**Lloyd L. Miller, BS, DMD:** Dr. Miller is a Clinical Professor at Tufts University School of Dental Medicine, Graduate and Postgraduate Prosthodontics. He is President and Owner of Gnathos Dental Laboratory (private laboratory and research facility). He serves on the Editorial Board of the Journal of Esthetic Dentistry and maintains a private practice in Weston, MA.

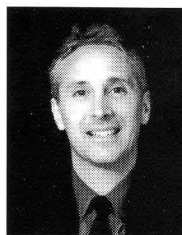


**Bernard Touati, DDS, DSO:** Dr. Touati is an Assistant Professor in Prosthodontics at Paris 5 University and a Visiting Professor at the University of Rio de Janeiro. He is Past-President of the European Academy of Esthetic Dentistry and founder and Past-President of the French Society of Esthetic Dentistry. He is an international lecturer and the author of numerous publications.



**Daniel Y. Sullivan, DDS:** Dr. Sullivan is a Diplomate of the American Board of Prosthodontics and restored the first osseointegrated implants placed in the U. S. by Dr. P.I. Branemark in 1982. He is in full time private practice in Washington, DC, and lectures extensively in North America and abroad. He is the author of numerous publications.

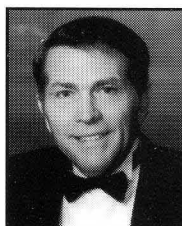
Saturday, February 23, 2002



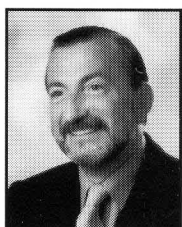
**Vincent Celenza, DMD:** Dr. Celenza is a Diplomate of the American Board of Prosthodontics and on the Board of Directors of the American Academy of Esthetic Dentistry. He earned his DMD at Farleigh Dickinson University and did his graduate training at Boston University School of Graduate Dentistry. He maintains a private practice in New York City.



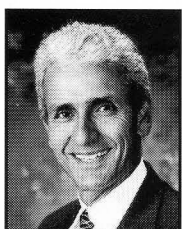
**Ronald Goldstein, DDS:** Dr. Goldstein is a Clinical Professor at the Medical College of Georgia, Boston University, University of Southern California and at the University of Texas San Antonio. He has presented a multitude of continuing education courses around the world. He maintains a private practice in Atlanta, GA.



**Stuart Isler, DMD:** Dr. Isler is a restorative dentist with offices in New York and Denville, NJ. He is a member of the Board of Directors of the American Academy of Esthetic Dentistry. He created the extramural department of continuing education at the University of Pennsylvania and administers a 400 member study club.



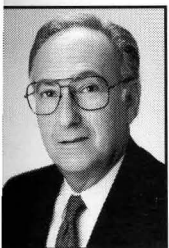
**Jaime Gil, DDS, PhD:** Dr. Gil is Professor and Chairman of Prosthodontics at the University in Bilbao, Spain. He is Past-President of the European Academy of Esthetic Dentistry, The Spanish Society of Prosthodontists, the International College of Dentists, and the European Dental Society.



**Nasser Barghi, DDS:** Dr. Barghi is Professor and Head of the Division of Esthetic Dentistry at the University of Texas San Antonio. He is Past-President of the American Equilibration Society and holds membership in many professional organizations. He has completed a great deal of research on bonding and etched porcelain bonded restorations. He lectures extensively throughout the world.



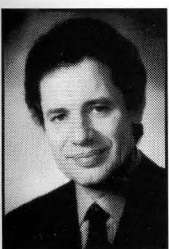
**Frank V. Celenza, AD, DDS, MS:** Dr. Celenza is a Diplomate of the American Board of Prosthodontics and Founder of the Northeastern Gnathological Society. He is author of "Occlusion, State of the Art" published by Quintessence. He is a member of many professional organizations and was awarded the Distinguished Lecturer Award by the Greater NY Academy of Prosthodontics.



**William Becker, DDS, MDS, Odont.Dr.:** Dr. Becker is a Diplomate of the American Board of Periodontology and served as a Board Director. He is affiliated with numerous universities and has authored over 60 publications. He lectures throughout the world. He is Co-Editor of a new journal "Clinical Implant Dentistry and Related Research" and is in full time private practice in Tucson, AZ.



**Lambert Martin Fick, BDS:** Dr. Fick is a dental surgeon practicing at Harley Street, London, England. He is a member of the European Academy of Esthetic Dentistry and Founding President of the British Academy of Aesthetic Dentistry. He is an Executive Council Member of the International Federation of Esthetic Dentistry. He is a registered Prosthodontist in Great Britain.



**Gerard Chiche, DDS:** Dr. Chiche is the Helmer Professor and Chairman of the Prosthodontics Department at Louisiana State University where he also maintains an intramural private practice devoted to Esthetics and Implants. He has lectured extensively around the world and is a member of many professional organizations. He is a director of the American Academy of Esthetic Dentistry.



**Kenneth A. Malament, DDS, MScD:** Dr. Malament is a Diplomate of the American Board of Prosthodontics and in full time private practice in Boston. He is Secretary of the American College of Prosthodontists and Secretary-Treasurer of the International College of Prosthodontists. He was on the research and development team for two different well-known ceramic products and has developed instrumentation used in clinical practice.