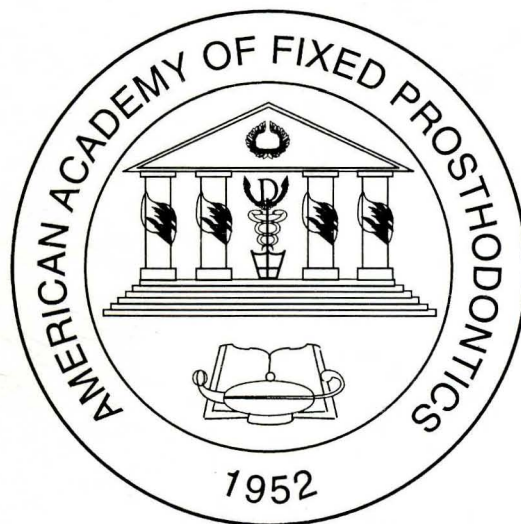


**THE AMERICAN ACADEMY  
OF FIXED  
PROSTHODONTICS**



**FORTY-NINTH ANNUAL  
SCIENTIFIC SESSION**

**FRIDAY, FEBRUARY 25, 2000  
SATURDAY, FEBRUARY 26, 2000**

**CHICAGO MARRIOTT HOTEL  
DOWNTOWN  
CHICAGO, ILLINOIS**

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## PROJECTED TENTATIVE MEETING DATES

2000 = February 25-26  
2001 = February 23-24  
2002 = February 22-23  
2003 = February 28 - March 1  
2004 = February 20-21  
2005 = February 25-26

## **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 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 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 565 active, honorary, and life members in 20 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.

Authored by:  
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 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. Mingleddorff ..... | 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    |

\* Deceased





## PRESIDENT'S MESSAGE

Davis A. Garlapo  
1999-2000

A sincere sense of pride, gratitude, and anticipation allows me to welcome both members and guests to this the Forty-Ninth Annual Meeting of The American Academy of Fixed Prosthodontics. This annual meeting, the first in our Academy history in the new millennium, promises to provide a continuation of excellence in its scientific program where program chair Dr. Charles Goodacre has gathered national and international speaker-clinicians of renown under a program theme: THE FOUNDATION FOR A CENTURY OF PROGRESS. The topical areas of presentations have been chosen to enrich the knowledge and understanding for those of us who have a dedication to the field of fixed prosthodontics integral to patient care.

In the attempt to increase a greater opportunity for active participation at this year's meeting, the table clinic session has been expanded in its number of presentations as well as an extended timeframe. This activity, organized by Dr. David Kaiser, is once again scheduled in conjunction with the cocktail reception and designed to not only be an interactive learning opportunity but also provide ample time for camaraderie and fellowship amongst members and guests.

The Academy Luncheon carries on the tradition of taking pause to honor the sponsored Tylman Research Award winners selected in competitive submissions. As well it provides time for formally receiving those elected to membership at this year's meeting. This year there is also the special opportunity to give honor and recognition to Dr. Lloyd Miller as recipient of the George H. Moulton Award for his significant impact and contribution to the art and science of fixed prosthodontics. Please take pleasure and pride in sharing the accomplishments of our colleagues.

This year serving as your President has been a pinnacle of my professional life. The fellow officers and directors have shown great resolve in preparing for the future of The American Academy of Fixed Prosthodontics. The privilege of being permitted to be a participant in the process is a treasure I sincerely revere. Knowing that the future is entrusted to able and committed leaders brings tremendous optimism for the 21st Century.

Thank you for participating in this, the Forty-Ninth Meeting of the Academy.

## OFFICERS AND DIRECTORS 1999-2000 AMERICAN ACADEMY OF FIXED PROSTHODONTICS

### President:

Davis A. Garlapo  
28 October Lane • Amherst, NY 14228  
Home (716) 691-5437 • Office (716) 829-2862 • Lake (716) 778-9429  
Fax (716) 829-2440

### President-Elect:

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

### Vice-President:

Richard R. Cavanaugh  
800 Airport Blvd. • Doylestown, PA 18901-1000  
Home: (215) 348-8408 • Office: (215) 345-1155 • Fax: (215) 345-9090

### Immediate Past President:

Denny M. Smith  
D227-780 Bannatyne Ave • Winnipeg, MB, Canada R3E 0W2  
Home (204) 269-4984 • Office (204) 789-3594 • Fax (204) 269-8502

### 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

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Don G. Garver  
216 John Pott Drive • Williamsburg, VA 23188-6427  
Home (757) 258-4525 • Office (800) 880-5184 • Fax (757) 258-4526

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2 Downing Lane • Decatur, GA 30033  
Home (404) 633-4641

Gary D. Toogood - 2000  
3773 Baker Lane, Suite 4 • Reno, NV 89509  
Home (702) 857-2036 • Office (702) 825-1060 • Fax (702) 825-1792

Wayne V. Campagni - 2001  
Dept. of Restorative Dent.  
Loma Linda Univ. Schl. of Dent., Loma Linda, CA 92350  
Home (909) 946-8997 • Office (909) 824-4683 • Fax (909) 824-4211

Peter S. Lund - 2001  
333 S. 7th Street • Minneapolis, MN 55402  
Home (651) 714-1655 • Office (612) 338-8638 • Fax (612) 338-8639

William W. Nagy - 2001  
6375 North Lake Drive • Whitefish Bay, WI  
Home (414) 963-4153 • Office (414) 288-6578 • Fax (414) 288-6516

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

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

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Nancy Chaffee '00, Secretary  
Roger Harper '01  
Stephen Rosenstiel '01  
Marshall Hoffer '02  
Marilyn Aden '02  
Robert Wright '02

### EDITOR

William Malone

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Charles Goodacre, Chairman '00  
Stephen Campbell, Ex Officio  
Ken Malament '01  
Irwin Becker '00  
Amp Miller '00  
Michael Karczewski '00  
Harold Litvak '01

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Kevin Kopp, Chairman '00  
Stephen Campbell '00  
Alexander Chan '00  
Thomas Reddy '00  
Tarek AbdelHalim '02  
Myron Winer '02

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Maurice Martel, Chairman '00  
Frank Panno '01  
Jesse Bullard '02

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Denny Smith '00  
Rush Peace '01  
Mark Mathews '02  
Ned Van Roekel '02  
Richard Wilson '00

### EXHIBITS COMMITTEE

Jack Lipkin, Chairman '03  
Larry Sindledacker '00  
Robert Seckinger '01  
Gary Alexander '03

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David Kaiser '01  
George Kay '01  
Donald Gratton '02  
Jack Lipkin '03  
Duane Douglas '04

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Richard Wilson '01  
Gerald Ziebert '00

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Peter Neff, Chairman '02  
Victor Mackoul '00

### BYLAWS COMMITTEE

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Ronald Woody '01  
Gerald Santulli '02  
Dean Morton '03  
Trudy Burke '04

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Richard Cavanaugh, Ex Officio  
Stephen Campbell, Ex Officio  
Don Garver, Ex Officio  
Daniel Conny '00  
John Harrison '01

### PUBLICITY & COMMUNICATIONS COMMITTEE

Michael Myers,  
Chairman & NL Editor '03  
John Agar '01 - Photographer  
Dennis Weir '01  
Jeffrey Hudgins '01

### ETHICS COMMITTEE

Richard Cavanaugh, Chair '00  
James Harrison '01  
John Goodman '02

## RESEARCH IN FIXED PROSTHODONTICS COMMITTEE

Committee Co-Chairmen:

(A) Steven Morgano '00  
(B) Steven Aquilino '01

### Committee A:

Steven Morgano, Chairman '00  
Susan Brackett '00  
Bill Malone, Ex Officio

### Committee B:

Steven Aquilino '01  
Peter Lund '01  
Nancy Chaffee '01  
Bill Malone, Ex Officio

## AD HOC COMMITTEES 1999-2000

### AD HOC FORUM MONITORING COMMITTEE

Richard Hesby, Chairman '03  
Nancy Chaffee '03  
John Harrison '03

### AD HOC COMMITTEE FOR LABORATORY RELATIONS

Richard Wilson, Chairman  
Richard Hesby  
John VanDercreek

### AD HOC TABLE CLINICS COMMITTEE

Peter Lund, Chairman  
Wayne Campagni  
Gregg Elefterin

### AD HOC COMMITTEE FOR HOME PAGE UPDATE

Martin Land, Chairman  
William Nagy  
Peter Lund



## STANDING PRESIDENTIAL APPOINTMENTS 1999-2000

### PARLIAMENTARIAN

Martin Land, Chairman  
William Finagin

### SECRETARY FOR GUESTS

Don Garver

### AMERICAN COLLEGE OF PROSTHODONTISTS PROSTHODONTIC FORUM REPRESENTATIVES

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Stephen Campbell '00

### MEETING SITE DIRECTOR

Don Garver

### TABLE CLINIC PROGRAM 2000

David Kaiser, Chairman  
Kevin Kopp '00  
Carl Driscoll '00  
Stephen Rosenstiel '00

### CHAPLAINS

Earl Stover  
David Seitlin  
Robert Lorey

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Herbert Shillingburg

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

Jonathan Ferencz '02

### AD INTERIM COMMITTEE

Davis Garlapo, Chairman  
Pat Moulton '00  
Denny Smith '00

### PAST TYLMAN AWARD WINNERS \*

(DATE IS YEAR AWARDED - AWARD WON PREVIOUS YEAR)

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

\* THE ACADEMY WOULD LIKE TO EXTEND ITS SINCEREST  
THANKS TO THE FOLLOWING CORPORATE SPONSORS FOR  
THE TYLMAN RESEARCH GRANT PROGRAM:

Nobel Biocare  
Ultradent Products, Inc.  
Editorial Council of the Journal of Prosthetic Dentistry  
Whip Mix Corporation  
Paragon Implant Co.  
GC America

## OFFICERS

President ..... Davis A. Garlapo  
President-Elect ..... Stephen D. Campbell  
Immediate Past President ..... Denny M. Smith  
Vice-President ..... Richard R. Cavanaugh  
Secretary ..... Robert S. Staffanou  
Treasurer ..... Don G. Garver

## BOARD OF DIRECTORS

Patricia S. Moulton ..... 2000  
Gary D. Toogood ..... 2000  
Wayne V. Campagni ..... 2001  
Peter S. Lund ..... 2001  
William W. Nagy ..... 2001  
David A. Garber ..... 2002  
H. Philip Pierpont ..... 2002

## STANDING COMMITTEE CHAIRMEN

Credentials Committee ..... Carl Andres '00  
Program Committee ..... Charles Goodacre '00  
Kent Knoernschild '00  
Budget & Finance Committee ..... David Donatelli '00  
Tylman Research Committee ..... Kent Knoernschild '04  
Local Arrangements Committee ..... Kevin Kopp '00  
Future Planning & Policy Committee ..... William Nagy '01  
Exhibits Committee ..... Jack Lipkin '03  
Nominating Committee ..... Denny Smith '02  
Editor ..... William Malone  
Bylaws Committee ..... Martin Land '01  
George H. Moulton Award Committee ..... Maurice Martel '00  
Historical Committee ..... Peter Neff '02  
Publicity & Communications Committee .. Michael Myers '03  
Newsletter Editor ..... Michael Myers '03  
Ethics Committee ..... Richard Cavanaugh '00  
Research in Fixed Prosthodontics  
Committee A ..... Steven Morgano '00  
Committee B ..... Steven Aquilino '01

## AD HOC COMMITTEE CHAIRMEN

Ad Hoc Forum Monitoring Committee  
Richard Hesby, Chairman

Ad Hoc Committee for Laboratory Relations  
Richard Wilson, Chairman

Ad Hoc Committee for Speakers Bureau  
Pat Moulton, Chairman

Ad Hoc Committee for Home Page Update  
Martin Land, Chairman

**ANNUAL MEMBERSHIP DINNER AND BUSINESS MEETING  
THURSDAY, FEBRUARY 24, 2000**

5:30PM-7:00PM     *Early Registration for Members Only*  
                             5th Floor Foyer

6:00PM-7:00PM     *Early Registration for Guests*  
                             7th Floor Foyer

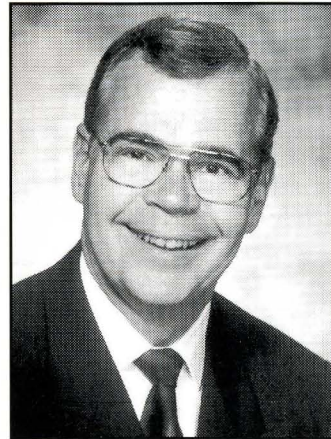
6:00PM-7:00PM     *Cocktail Reception*  
                             5th Floor Foyer  
                             **Members Only Please!**

7:00PM                *Annual Membership Dinner*  
                             5th Floor Foyer, Salons A,B,C,D  
                             **Members Only Please!**

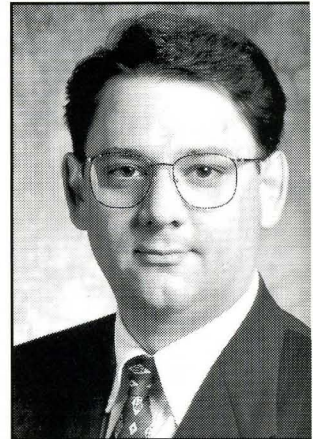
8:00PM                *Annual Business Meeting*  
                             5th Floor Foyer, Salons A,B,C,D  
                             President's Message  
                             Committee Reports  
                             Old Business  
                             New Business  
                             Election of Officers  
                             Town Hall Meeting  
                             **Members Only Please!**

9:00PM                **Adjourn**

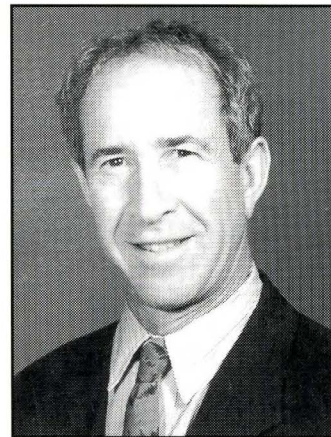
**PROGRAM CHAIRMEN**



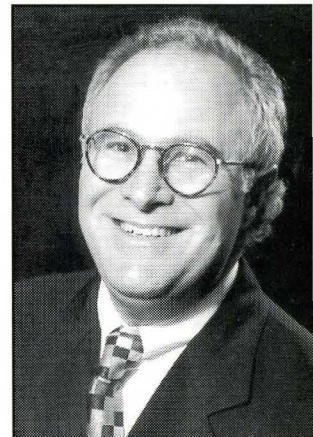
Charles Goodacre  
Co-Program Chairman 2000



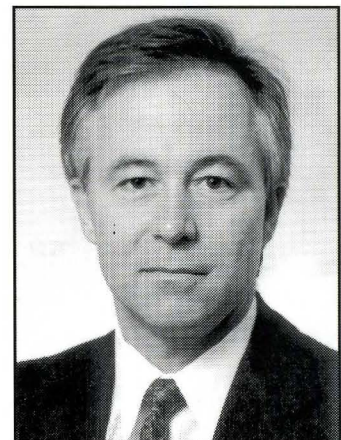
Kent Knoernschild  
Co-Program Chairman 2000



Harold Litvak  
Program Co-Chair 2001



Kenneth Malament  
Program Co-Chair 2001



Stephen Campbell  
Ex-Officio



## EXHIBIT DIRECTORY

### BOOTH NUMBER EXHIBITOR NAME

- 1 ..... J. F. JELENKO & COMPANY
- 2 ..... 3I-IMPLANT INNOVATIONS INC.
- 3 ..... VIDENT
- 4 ..... METALIFT CLASSIC PRACTICE RESOURCES
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- 27 ..... METALOR DENTAL USA
- 28 ..... CONDYLATOR SERVICE
- 29 ..... VAN R/CADCO/CLIVE CRAIG
- 30 ..... TELEDYNE WATER PIK
- 31 ..... COLUMBIA SCIENTIFIC, INC.
- 32 ..... BRASSELER USA

## TABLE CLINIC PROGRAM FIFTH FLOOR BALLROOM 4:30-6:15PM FEBRUARY 25, 2000

### TABLE CLINIC CHAIRMAN - DR. DAVID A. KAISER

1. "An Evaluation of Implant Abutment Screws"  
Dr. James Lutonsky, San Antonio, TX
2. "Precision Fit of the Procera All Ceram Crown"  
Dr. S. K. El-Ebraski, Ann Arbor, MI
3. "Customized Methods to Achieve Gingival Esthetics in a Single Tooth Restoration"  
Dr. Anthony Lavaca, Bronx, NY
4. "Immediate Loading of Osseointegrated Implants in Partially Edentulous Situations"  
Dr. Hsiu-chin Tsai, Rowland Heights, CA
5. "Management of Unfavorable Implant Position: An Integrated Surgical and Prosthetic Approach"  
Dr. Kitichai Rungcharassaeng, Redlands, CA  
Dr. Joseph Kan, Redlands, CA
6. "A Multifunctional Provisional Fixed Partial Denture for Implant Patients"  
Dr. Francis Tung, New York, NY
7. "Treatment of the Severely Worn Dentition: A Clinical Report"  
Dr. Katherine Lee, San Antonio, TX
8. "Anterior Fixed Restorations Using the Electroforming Technique"  
Dr. Stavros Pelekanos, Athens, Greece
9. "Fabrication of Three Dimensional Templates for Placement of Root Form Dental Implants"  
Dr. Frank Higginbottom, Dallas, TX
10. "Electronic Torque Driver Accuracy After Five Years in Clinical Service"  
Dr. Ricardo Mitrani, Seattle, WA
11. "Planning for Future Wear During Occlusal Reconstruction"  
Dr. Curtis Werking, San Antonio, TX
12. "Marginal Opening and Passivity of Screw and Cement-Retained Implant Fixed Partial Dentures"  
Dr. Diane Yoshinoba, Los Angeles, CA
13. "Fixed Provisional Restorations on Immediately Loaded Implants"  
Dr. Richard Sullivan, Yorba Linda, CA
14. "Implant Loading at Six Weeks"  
Dr. Paul Quinlan, San Antonio, TX
15. "The Use of Custom Acrylic Templates for Mucogingival Surgery Around Dental Implants"  
Dr. Periklis Proussaefs, Loma Linda, CA
16. "The Effect of Surface Treatment on Fatigue Life of Post-Soldered Joints"  
Dr. Randi Press, Seattle, WA
17. "A New Taping Method for Aluminous All Ceramic Core Fabrication"  
Dr. Jung-Suk Han, Seoul, South Korea
18. "Compatibility with the Procera Technology"  
Dr. Debora Armellini, Ann Arbor, MI  
Dr. Sergio Kancyper, Ann Arbor, MI
19. "Rapid Occlusal Analysis Using Mounted Pindex Diagnostic Casts"  
Dr. Thomas Girvan, San Antonio, TX
20. "Comparison of Dental Implant Impression Methods"  
Dr. Wayne Gardner, San Antonio, TX
21. "The Influence of Metal Surface Finishing on Porcelain Porosity at the Metal-Ceramic Interface"  
Dr. Theresa Hofstede, Rochester, NYH  
*Second Place Tylman Award Winner*
22. "The Effect of Dentin Desensitizers on the Retention of Full Gold Crowns Cemented with a Variety of Luting/Bonding Agents"  
Dr. Nanyta Yim, Las Vegas, NV  
*Third Place Tylman Winner*

# THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

## FORTY-NINTH ANNUAL SCIENTIFIC SESSION CHICAGO MARRIOTT HOTEL DOWNTOWN FRIDAY, 25 FEBRUARY 2000

**7:00AM-8:15AM**      **Registration - Members and Guests**  
7th Floor Foyer  
Continental Breakfast in Exhibit Area  
Exhibits Open, 7th Floor Salon III

### PROGRAM MODERATOR - FRIDAY AM DR. CHARLES J. GOODACRE

**8:15AM**      **Welcome-Introductions**  
President Davis A. Garlapo  
Program Chairman Charles J. Goodacre

**8:30AM-10:00AM**      **"The Symbiosis of Esthetics and Occlusion"**  
- Dr. Lloyd L. Miller

**10:00AM-10:30AM**      **Break \*REFRESHMENTS IN EXHIBIT HALL\***

**10:30AM-11:45AM**      **"Clinical Applications of Mineral Trioxide Aggregate for Practicing Prosthodontists"**  
- Dr. Mahmoud Torabinejad

**11:45AM-12:00PM**      **"Delayed Linear Expansion of Improved Dental Stone"**  
- Dr. Reza Heshmati  
Tylman 1st Place Winner

**12:00PM-1:30PM**      **Annual Academy Luncheon**  
All Members and Guests Invited  
5th Floor Ballroom

### PROGRAM MODERATOR - FRIDAY PM KENT L. KNOERNSCHILD

**1:30PM-2:45PM**      **"A Direct Approach to Resin Esthetics"**  
- Dr. Gerald E. Denehy

**2:45PM-3:15PM**      **Break \*REFRESHMENTS IN EXHIBIT HALL\***

**3:15PM-4:30PM**      **"An Esthetic and Scientific Comparison of the Methods Commonly Used to Replace Missing Anterior Teeth"**  
- Dr. Joseph Kan

**4:45PM-6:15PM**      **Table Clinic Program**  
5th Floor Ballroom  
- Dr. David A. Kaiser, Chairman

**5:45PM-7:00PM**      **Annual Cocktail Party**  
**All Members and Guests Invited**  
5th Floor Ballroom - No Host Bar

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

# THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

## FORTY-NINTH ANNUAL SCIENTIFIC SESSION CHICAGO MARRIOTT HOTEL DOWNTOWN SATURDAY, 26 FEBRUARY 2000

**7:00AM-8:15AM**      **Registration - Members and Guests**  
7th Floor Foyer  
Continental Breakfast in Exhibit Area  
Exhibits Open, 7th Floor Salon III

### PROGRAM MODERATOR - SATURDAY AM DR. JONATHAN L. FERENCZ

**8:30AM-10:00AM**      **"Occlusion and Dental Implants - Primarily for the Partially Edentulous Patient"**  
- Dr. Michael D. Wise

**10:00AM-10:30AM**      **Break \*REFRESHMENTS IN EXHIBIT HALL\***

**10:30AM-11:45AM**      **"Occlusion: What It Is and What It Isn't"**  
- Dr. Charles McNeill, III

**12:00PM-1:30PM**      **Lunch on your own**  
No Host Luncheon Buffet in Exhibit Hall  
Exhibits Open until 1:30PM  
Past Presidents/New Member Luncheon (Officers, Directors, Past Presidents, New Members)  
Lincolnshire Room I & II, 6th Floor

### PROGRAM MODERATOR - SATURDAY PM DR. KENNETH A. MALAMENT

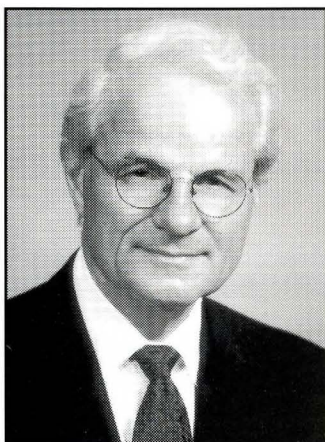
**1:30PM-2:30PM**      **"Bone Regeneration: Where We've Been and Where We're Going"**  
- Dr. Robert Genco

**2:30PM-3:30PM**      **"Creating A Harmonious Gingival Appearance: The Restorative Connection"**  
- Dr. Robert Winter

**3:30PM**      **Closing Remarks**  
- Dr. Davis A. Garlapo, President, AAFP  
- Dr. Charles Goodacre, Program Chairman

\*Note: Exhibits will be open continuously from 7:00AM to 1:30PM for your convenience.



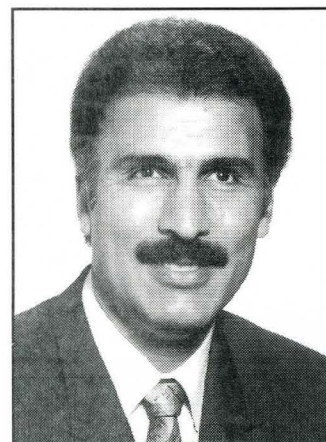


Lloyd L. Miller, DMD

### **"SYMBIOSIS OF OCCLUSION AND ESTHETICS"**

**Synopsis:** There is an obvious role of anterior teeth in projecting age, vitality, sexual attractiveness, and self esteem. Patients are less aware that anterior teeth function to protect posterior teeth and enhance their longevity for a lifetime of use. A prudent dentist requires occlusal screening of patients planning esthetic changes to anterior teeth. The unique contribution of anterior guidance in force management, posterior disclusion, muscle balance and stability of teeth and jaw joints is described in the symbiosis of occlusion and esthetics.

**Curriculum Vitae:** Dr. Lloyd Miller is in private practice in Weston, MA, and teaches in the postgraduate program at Tufts University School of Dental Medicine where the postgraduate clinic was recently named in his honor. He belongs to many professional organizations and is a Past President of the American Academy of Fixed Prosthodontics. He is the recipient of many honors and awards, including the George H. Moulton Award presented by the American Academy of Fixed Prosthodontics for outstanding achievement in the art and science of fixed prosthodontics. He is the owner of Gnathos Dental Laboratory, Inc., which is a private in-house dental laboratory.



Mahmoud Torabinejad, DMD, MSD, PhD

### **"CLINICAL APPLICATIONS OF MINERAL TRIOXIDE AGGREGATE FOR PRACTICING PROSTHODONTISTS"**

**Synopsis:** Because of inadequacies in the sealing ability and biocompatibility of currently used materials to repair pulp exposure or root perforation, a new material called Mineral Trioxide Aggregate (MTA) has been recently developed. Initially intended for use as the "ideal" root end filling material, its clinical use has expanded exponentially. MTA is now used routinely for pulp capping, an apical plug in teeth with open apices, as well as for repair of iatrogenic and resorption perforations when they are encountered. The clinician can now, with confidence, rely on a biologically compatible repair material when called upon to treat these situations. This presentation will describe how MTA was developed, why MTA works, when to use MTA, and how to use MTA.

**Curriculum Vitae:** Dr. Torabinejad graduated from dental school in 1971, studied oral pathology from 1972 to 1974 and received his certificate at the University of Illinois in Chicago. He earned a certificate in Endodontics and a Master of Science degree in Dentistry in 1976 at the University of Washington in Seattle and completed his PhD in 1995 at the University of London. Dr. Torabinejad is a Professor of Endodontics and Director of Graduate Endodontics at Loma Linda University School of Dentistry in Loma Linda, California and practices in Upland, California.



Reza Heshmati, DDS, MPH, MS  
1st Place Winner, Stanley D. Tylman Research Award

**"DELAYED LINEAR EXPANSION OF  
IMPROVED DENTAL STONE"**

**Synopsis:** Improved dental stones are recommended when accuracy and strength are required in the fabrication of a master cast. The unique requirements of implant prosthodontics have also placed a greater requirement on master cast accuracy and stability as well as the clinical outcome. Linear setting expansion of dental stone is affected by many variables, and greatly affects the accuracy of the casts or die. This study measured and compared the setting expansion of five commonly used ADA type IV and V stones (Die-Keen, Jade Stone, Vel-Mix, Resin Rock, Fuji Rock, and Silky Rock) at eight time intervals. The results indicate that all stones showed a higher mean linear expansion value at 120 hours than at 2 hours. Die-Keen exhibited the highest total mean setting expansion (0.35%) and Silky Rock exhibited the lowest mean linear expansion value (0.14%). Expansion was essentially complete at 96 hours for all stones with the exception of Silky Rock and Die-Keen which achieved stability at 72 hours. Mean expansion values at two hours were comparable to the manufacturer's stated values. However, continued linear expansion after 2 hours may compound the error inherent in the multi-step fabrication procedure of cast restorations.

**Curriculum Vitae:** Dr. Reza Heshmati graduated in 1992 from Karolinska Institute, School of Dentistry, Stockholm, Sweden. He formerly worked at the Swedish Dental Health Institute as a general practitioner. Dr. Heshmati received a Master of Public Health from the University of Southern Mississippi in 1995 and completed a three year Advanced Prosthodontic Training Program at Marquette University School of Dentistry in 1999 with a Master of Science degree. Dr. Heshmati is currently a Maxillofacial Prosthetic Fellow at the University of Chicago Medical Center.

**ANNUAL ACADEMY LUNCHEON  
PRESENTATION OF THE STANLEY D. TYLMAN  
RESEARCH AWARDS FOR 1999**

DR. KENT L. KNOERNSCHILD  
CHAIRMAN, TYLMAN RESEARCH AWARD COMMITTEE

**FIRST PLACE WINNER**

Dr. Reza Heshmati  
Marquette University School of Dentistry, Milwaukee, WI  
"Delayed Linear Expansion of Improved Dental Stone"  
Program Director: Dr. William W. Nagy  
Research Mentor: Dr. William W. Nagy

**SECOND PLACE WINNER**

Dr. Theresa M. Hofstede  
University of Rochester, Eastman Dental Center, Rochester, NY  
"The Influence of Metal Surface Finishing on  
Porcelain Porosity at the Metal-Ceramic Interface"  
Program Director: Dr. Carlo Ercoli  
Research Mentor: Dr. Gerald N. Graser

**THIRD PLACE WINNER**

Dr. Nantiya Yim  
Medical College of Georgia School of Dentistry, Augusta, GA  
"The Effect of Dentin Desensitizers on the Retention of Full  
Gold Crowns Cemented with a Variety of Luting/Bonding Agents"  
Program Director: Dr. Fred Rueggeberg  
Research Mentor: Dr. F. Michael Gardner

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

Dr. Maurice H. Martel  
Chairman, George H. Moulton Award Committee

**2000 Awardee: Dr. Lloyd L. Miller**

**Past Moulton Award Winners**

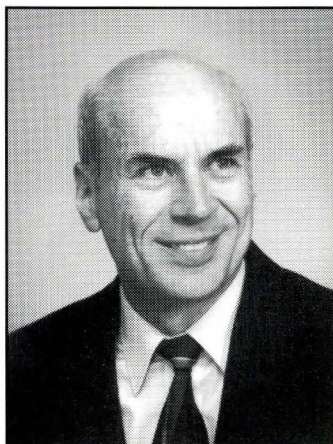
- 1992: George H. Moulton
- 1993: Ernest B. Nuttall  
Max Kornfeld
- 1994: Robert J. Nelson
- 1995: Everitt V. Payne (posthumously)
- 1996: Samuel E. Guyer
- 1997: Roland W. Dykema
- 1998: Herbert T. Shillingburg, Jr.
- 1999: Not Awarded

**PRESENTATION OF NEW AAFP MEMBERS**

President Davis A. Garlapo



Friday, February 25, 2000  
1:30PM - 2:45PM



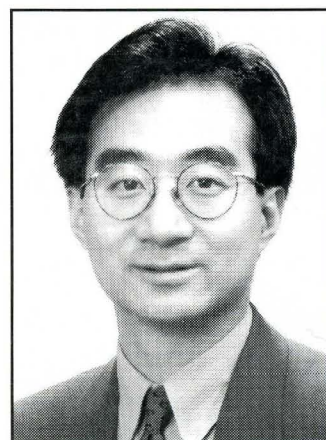
Gerald E. Denehy, DDS, MS

**"A DIRECT APPROACH TO RESIN ESTHETICS"**

**Synopsis:** Direct resin placement is the foundation upon which a dentist's esthetic skills are built. This lecture will discuss principles of material selection, techniques of shade matching and blending, simplified procedures of material placement, and elements of esthetics that will aid in building this foundation.

**Curriculum Vitae:** Dr. Denehy is Professor and Graduate Program Director in the Department of Operative Dentistry at the University of Iowa College of Dentistry. He has authored many articles on resins and bonding, serves as a consultant to dental manufacturers and has lectured widely both nationally and internationally. He conducts a part-time practice devoted primarily to esthetic dentistry.

Friday, February 25, 2000  
3:15PM - 4:30PM



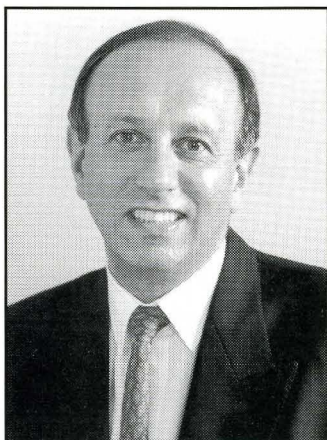
Joseph Kan, DDS

**"AN ESTHETIC AND SCIENTIFIC COMPARISON  
OF THE METHODS COMMONLY USED TO  
REPLACE MISSING ANTERIOR TEETH"**

**Synopsis:** Creating natural looking anterior restorations with harmonious gingival contour is a fusion of science and art. Understanding the biologic and physiologic limitations of the soft and hard tissues enhances the predictability by which treatment plans are developed for challenging esthetic situations. This presentation will identify the hard and soft tissue limitations associated with the methods commonly used to replace missing anterior teeth (implants, resin-bonded, prostheses, conventional fixed prostheses and cantilevered prostheses).

**Curriculum Vitae:** Dr. Joseph Kan received certificates from both the Advanced Education Programs in Prosthodontics and Implant Dentistry from Loma Linda University School of Dentistry, Loma Linda, California. He is currently an Assistant Professor in the Department of Restorative Dentistry at Loma Linda University School of Dentistry. He also maintains a private practice in Loma Linda limited to Prosthodontics and Implant Dentistry. Dr. Kan is a member of the Academy of Osseointegration and the American College of Prosthodontics.

Saturday, February 26, 2000  
8:30AM - 10:00AM



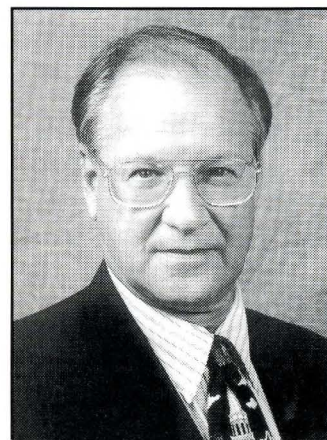
Michael D. Wise, BDS, MSD

**“OCCLUSION AND DENTAL IMPLANTS - PRIMARILY  
FOR THE PARTIALLY EDENTULOUS PATIENT”**

**Synopsis:** This presentation will be divided into two parts. The first part will review the literature pertaining to occlusion and implants and in particular the difference between the response of teeth and implants. The second part of the presentation will demonstrate the speakers approach to the clinical management of the occlusion, primarily for the partially edentulous patient based upon the foregoing. Some complications encountered when treating patients with problems of psychogenic etiology will be presented.

**Curriculum Vitae:** Dr. Michael Wise qualified from the London Hospital Dental School (University of London) in 1968 - BDS (Hons), LDS, RCS (Eng). He was awarded a Harkness Fellowship for two years study in the USA at Indiana University between 1970 and 1972 where he obtained his MScD in Fixed and Removable Prosthodontics. He obtained his Fellowship in Dental Surgery from the Royal College of Surgeons of England in 1972. He maintains a private restorative practice in London mainly treating patients who have had failures in extensively restored dentitions. He taught part-time at the Post Graduate Institute in London until 1984 and is now an Honorary Research Fellow. He has conducted courses in his practice since 1979. He has lectured widely, both nationally and internationally, and is the author of many publications including a 10 part series on Occlusion and Restorative Dentistry published in the British Dental Journal in 1982 and subsequently produced as a BJD handbook. He has written a text “Failure in the Restored Dentition: Management and Treatment”, published in English, Italian, and German versions by Quintessence Publishing Company in February 1995. He is recognized as a specialist in restorative dentistry by the General Dental Council.

Saturday, February 26, 2000  
10:30AM - 11:45AM



Charles McNeill, DDS

**“OCCLUSION: WHAT IT IS AND WHAT IT ISN'T”**

**Synopsis:** There have been numerous studies attempting to establish a link or lack thereof between occlusion and various forms of orofacial pain. This presentation will identify the appropriate role for occlusion and functional considerations in the contemporary practice of fixed prosthodontics.

**Curriculum Vitae:** Dr. Charles McNeill is a Professor of Clinical Dentistry and the Director of the Center for Orofacial Pain at the University of California at San Francisco. He is a Diplomate of the American Board of Orofacial Pain, Fellow of the American College of Dentists, and a Fellow of the International College of Dentists. He is a member and former President of both the American Academy of Restorative Dentistry and American Academy of Orofacial Pain and is a past-editor of the Journal of Orofacial Pain. He has authored many articles, abstracts and book chapters, edited four books and lectured extensively on the subjects of TMD, orofacial pain and occlusion. Dr. McNeill formerly maintained a private practice in Walnut Creek, CA, for 27 years and presently maintains a private orofacial pain practice at UCSF.



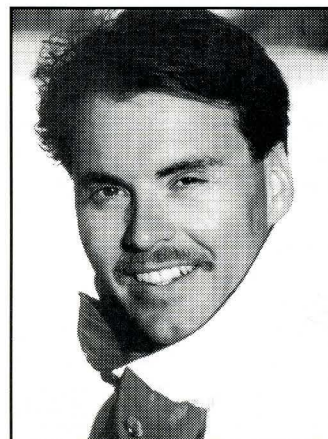


Robert Genco, DDS, PhD

**"BONE REGENERATION:  
WHERE WE'VE BEEN AND WHERE WE'RE GOING"**

**Synopsis:** For some time, adjunctive periodontal therapy has involved physically grafting hard and soft tissues. Recently, the focus has shifted to enhancing the host's ability to regenerate tissue. This presentation will discuss available scientific data and clinical applications related to bone regeneration as currently understood and applied.

**Curriculum Vitae:** Dr. Genco received his Dental Degree in 1963 and trained as a periodontist and immunologist receiving his Certification in Periodontics and PhD in 1967 from the University of Pennsylvania. He and his coworkers have worked with platelet-derived growth factor and bone morphogenetic proteins to regenerate alveolar bone around implants and to restore periodontal tissues. Dr. Genco is currently a Distinguished University Professor and Chair of the Department of Oral Biology. He has been awarded the American Dental Association's Gold Medal for Excellence in Research and is member of the Institute of Medicine of the National Academy of Sciences. He is currently the Editor-in-Chief of the *Journal of Periodontology* and the *Annals of Periodontology*. He also edited several textbooks including textbooks on *Tissue Engineering*, *Applications in Maxillofacial Surgery and Periodontics*, *Contemporary Periodontics*, and most recently a textbook in *Periodontal Medicine*.



Robert R. Winter, DDS

**"CREATING A HARMONIOUS GINGIVAL APPEARANCE:  
THE RESTORATIVE CONNECTION"**

**Synopsis:** The physiological contour and arrangement of the natural teeth will be analyzed as it relates to the gingival architecture. The intimate relationship between the appearance of the gingival tissue and crown form will be discussed. Frequently, restorations are created that do not adequately support the gingival tissue resulting in dark spaces in the gingival embrasure. Guidelines will be given to predictably assure that the optimal gingival esthetics will be achieved. After completion of this lecture you will know:

- \*How to diagnose and develop treatment plans for a variety of clinical scenarios.
- \*When to use each treatment option to achieve the most predictable and stable outcome.
- \*How the bony architecture influences the gingival form
- \*How the physiological contour of a natural tooth supports the gingival tissue.
- \*How to develop the appropriate restorative form for the particular clinical scenario.
- \*The guidelines for the dental technician to follow during the fabrication of the restoration.

**Curriculum Vitae:** Dr. Winter graduated from Marquette University School of Dentistry, and in 1983 completed his Prosthodontic Specialty Residency in Milwaukee, Wisconsin. He maintains a private practice limited to Prosthodontics, and is a member of the graduate prosthodontics faculty at the University of Washington. Dr. Winter is co-founder of the Newport Beach Dental Forum, an educational facility in Newport Beach, California.