

TWENTY SEVENTH ANNUAL MEETING  
OF THE  
AMERICAN ACADEMY  
OF CROWN AND  
BRIDGE PROSTHODONTICS



Hyatt Regency Hotel, Chicago

Saturday and Sunday  
February 4 and 5, 1978

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## SCIENTIFIC PROGRAM

*THEME: Better Crown and Bridge through research and graduate education.*

SATURDAY  
February 4, 1978

## ESSAY PRESENTATIONS

- 8:00 Registration and Continental Breakfast -  
Regency "A"  
8:45 President's Welcome  
Dr. Samuel E. Guyer, St. Louis, MO  
9:00 Arthur T. Storey, D.D.S., M.S., PhD., Professor,  
Head, Department of Preventive Dental Science,  
Winnipeg, Manitoba

## "SENSORY FEEDBACK: IMPLICATIONS FOR CROWN AND BRIDGE PROSTHODONTICS"

Sensory feedback on mandibular position and movement can occur from the dentition, muscles and TMJ's. We now have insight into when it occurs and its significance to the health and stability of the dentition. Is this feedback altered on restoring or crowning a tooth, changing vertical dimension, establishing a new intercuspal relationship or splinting several teeth together? Research has provided answers or rational hypothesis. Some firm and some tentative conclusions can be drawn regarding the rationale for treatment in crown and bridge prosthodontics.

- 10:00 Joel M. Zahler, B.S., D.D.S., M.S., Private Practice, Birmingham, MI  
**"UNUSUAL CASES INVOLVING CROWN AND BRIDGE PROSTHODONTICS"**

Some of the unusual problems encountered in reconstructing badly mutilated dentitions will be discussed. Solutions to these problems will be illustrated and a rationale for the approach taken will be discussed.

- 11:00 Richard O. Sword, D.D.S., M.D., Professor of Psychiatry, School of Dentistry, University of Kansas, Kansas City, MO.

## "STRESS AND DENTISTRY IN THE LATE SEVENTIES"

Man's response to stress is the product of 2-1/2 million years. It worked well for the cave man but is not very useful in modern times. There are many stresses in dentistry that can be better dealt with, when identified, by methods which are better than the classic "fight-flight" response.

- 12:00 LUNCHEON - Regency "B"  
SPEAKER: Bernard J. Conway, Assistant Executive Director, Legislation and Legal Affairs, American Dental Association.

## "ANTITRUST MATTERS AFFECTING DENTISTRY"

2:00 Warden H. Noble, D.D.S., M.S., M.S., Private Practice and Lecturer, Department of Restorative Dentistry, School of Dentistry, University of California, San Francisco, CA

#### "RECENT RESEARCH ON SURFACE MODIFICATIONS OF CERAMO-METAL RESTORATIONS"

In addition to restorations on anterior teeth, the use of porcelain occlusal surfaces is common. Many problems have resulted, including gingival irritation, occlusal instability, and wear of opposing occlusal surfaces. Bringing together recent laboratory and clinical research, the controversial area will be reviewed and possible laboratory and clinical solutions will be proposed. In particular SEM data on porcelain finishing techniques and data on changes in porcelain surfaces during glazing will be presented. Finally, trends in private practice and in dental education will be discussed.

3:00 Martti I. Helkimo, D.D.S., ODONT, DR., Professor and Chairman of Stomatognathic Physiology, Univ. of Umea, Sweden

#### "VARIOUS 'CENTRICS' AND METHODS OF RECORDING 'CENTRICS'"

Numerous gadgets and techniques for recording of centrics have been presented in the past. Not all of these methods have been scientifically tested. This presentation gives a review of some of the factors that might influence a jaw recording and discusses some research results from studies where these factors have been compared.

4:00 George A. Zarb, B.Ch.D., M.S., D.D.S., M.S., F.R.C.S. (C), Professor, Chairman of Department of Prosthodontics, Univ. of Toronto, Toronto, Ontario

#### "THE EFFECTS OF CEMENTED AND UNCEMENTED ENDOSSEOUS IMPLANTS"

The orthopedic success of creating enhanced biomechanical stability for femoral implants, led the author to undertake a research project in which endosseous implants were secured intraosseously, with acrylic cement. The longitudinal results on laboratory animals will be presented.

SUNDAY  
February 5, 1978

8:00 Coffee and Rolls - Regency "A"

9:00 Mario B. Santangelo, D.D.S., M.S., Assistant Secretary, Council on Dental Education Commission on Accreditation, American Dental Association

#### "THE SPECIALTIES IN THE DENTAL PROFESSION'S FUTURE"

Much attention has been focused during the past several years on the practitioners and the recognized specialists. Concerns have been expressed in many quarters about problems related to over-

specialization and the fragmentation in delivery of care. It is generally accepted that these directions should be reversed and that the general dentist should be better educated and competent to render the majority of care required by the majority of patients seeking treatment. Since such a philosophy has implications for the recognized specialties within the profession, the current and potential future role of specialties in the profession will be discussed in light of educational requirements.

10:00 FORUM: "GRADUATE EDUCATION, CROWN AND BRIDGE PROSTHODONTICS" Position papers by members of the Academy (20 minutes each).

"PRESENT STATUS OF GRADUATE CROWN AND BRIDGE EDUCATION" - Dr. William D. Culpepper

"FUTURE NEEDS OF GRADUATE EDUCATION" - Dr. George H. Moulton

"RECRUITMENT OF GRADUATE STUDENTS" - Dr. William B. Finagin

"GRADUATE STUDENT'S VIEWS OF GRADUATE EDUCATION" - Dr. Jerry L. Young

"OPEN DISCUSSION" - Moderator: Dr. George E. Myers

#### TABLE CLINIC PRESENTATION

International Suite

SUNDAY

February 5, 1978

1:30-4:30 p.m.

1. Clifford W. Fox, D.D.S., F.A.C.D., F.I.C.D., Asst. Professor, Case Western Reserve, Cleveland, OH  
"CLINICAL DETERMINATION OF ANTERIOR GUIDANCE"
2. Iven Klineberg, M.D.S., B.Sc., Ph.D., F.D.S.R.C.S., F.R.A.C.D.S., D.R., Visiting Assoc. Professor, Dept. of Occlusion, Univ. of Michigan, Ann Arbor, MI  
"TEMPOROMANDIBULAR ARTHROKINETIC REFLEXES IN MAN"
3. Charles N. Fusilier, D.D.S., M.S., Assoc. Professor, Crown and Bridge, Univ. of Michigan, Ann Arbor, MI  
"BRIDGE FAILURES, THE PROBLEMS AND SOLUTIONS"
4. Henry J. Bianco, Jr., D.D.S., M.S., Professor and Chairman, Dept. of Prosthodontics, West Virginia Univ., Morgantown, WV  
"THE 158 -- AN ARCON H-2"
5. Elwood H. Stade, D.D.S., Acting Co-Chairman, Dept. of Prosthodontics, Southern Illinois Univ., Edwardsville, IL  
"PRECERAMIC AND POSTCERAMIC SOLDER JOINTS"

6. Donald D. Culp, D.D.S., Private Practice, Charlotte, NC  
**"CONSTRUCTION AND USE OF TANNER NIGHT GUARD"**
7. Jay D. Lagree, B.A., D.D.S., Senior Resident, Prosthodontics, Wilford Hall Med. Center, Lackland A.F.B. TX  
**"GNATHOLOGIC CONSIDERATIONS PERTAINING TO ORTHOGNATHIC SURGERY"**
8. Jerry L. Finelli, B.A., D.D.S., Senior Resident, Prosthodontics, Wilford Hall Med. Center, Lackland A.F.B., TX  
**"LONG TERM TEMPORARY FIXED PARTIAL DENTURE"**
9. Daniel W. Ray, B.S., D.M.D., Senior Resident, Prosthodontics, Wilford Hall Med Center, Lackland A.F.B. TX  
**"A TECHNIQUE FOR RECONSTRUCTING THE OCCLUSAL SURFACE OF A DEFECTIVE CROWN IN A COMPLETE OCCLUSAL RECONSTRUCTED PATIENT"**
10. Robert L. Engelmeier, B.S., D.M.D., Senior Resident, Prosthodontics, Wilford Hall Med. Center, Lackland A.F.B., TX  
**"METAL OCCLUSALS FOR DENTURE TEETH"**
11. Maria T. Barreto, D.D.S., Asst. Professor, Fixed Prosthodontics, Univ. of Conn. Health Center, Farmington, CT  
**"CASTABILITY OF NON-PRECIOUS ALLOYS"**
12. Nils J. Korsnes, D.D.S., Clinical Director, Crown and Bridge, Univ. of Detroit, Detroit, MI  
**"MULTIPLE USES FOR TRANSPARENT FORMS IN RESTORATIVE DENTISTRY"**
13. Junhei Fujimoto, D.D.S., M.S.D., Asst. Professor, Depart. of Occlusion and Fixed Prosthodontics, Univ. of Florida, Gainesville, FL  
Charles H. Gibbs, Ph.D., Asst. Professor, Depart. of Basic Dental Sciences, Univ. of Florida, Gainesville, FL  
**"ELECTRONIC MONITORING OF A TMJ DYSFUNCTION PATIENT BEFORE, DURING AND AFTER FIXED PROSTHODONTIC TREATMENT"**
14. Donald R. Gratton, D.D.S., M.S., Asst. Professor, Co-ordinator of Clinical Restorative Dentistry, Univ. of Western Ontario, London, Ontario  
**"THE CLINICAL APPLICATION OF AN ACID ETCH RESIN TEMPORARY FIXED PARTIAL DENTURE TECHNIQUE"**
15. Shawky E. Mohamed, D.D.S., M.S., Assoc. Professor, Head, Section of Fixed Prosthodontics, Southern Illinoiis Univ., Edwardsville, IL  
**"SURFACE HARDNESS OF DIES"**
16. Sami I. A. Samani, B.D.S., D.D.S., M.S., Assoc. Professor, Fixed Prosthodontics, New Jersey Dental School, Newark, NJ  
**"MANAGEMENT OF TEETH WITH BROKEN POST - REVERSE POST"**
17. Satish C. Mullick, B.D.S., M.S.D., D.M.D., Asst. Professor, Depart. of Fixed Prosthodontics, New Jersey Dental School, Newark, NJ  
**"FABRICATING A CAST POST AND CORE FOR AN EXISTING CROWN"**
18. Newell D. Miller, B.A., D.D.S., M.S., Private Practice, Ann Arbor, MI  
**"ESTHETIC TEMPORIZING AND TISSUE MANAGEMENT"**
19. J. Milton Small, B.S., D.D.S., Private Practice, Great Falls, MT  
**"SIMPLIFIED TISSUE RETRACTION"**
20. Arun Nayyar, D.M.D., M.S., Asst. Professor, Course Director, Undergraduate Fixed Prosthodontics, Medical College of Georgia, Augusta, GA  
**"RESTORATIVE MANAGEMENT OF ENDODONTICALLY TREATED POSTERIOR TEETH"**
21. David L. Koth, D.D.S., M.S., Assoc. Professor, Director, Fixed Prosthetics, Depart. of Restorative Dentistry, Medical College of Georgia, Augusta, GA  
**"THE RELATIONSHIP BETWEEN CORONAL RESTORATIONS AND GINGIVAL HEALTH: PERIODONTALLY TREATED PATIENTS"**
22. Gene A. Holland, D.D.S., M.S., Assoc. Professor, Fixed Prosthodontics, Univ. of North Carolina, Chapel Hill, NC  
**"A SIMPLIFIED TECHNIQUE FOR THE DEVELOPMENT OF REMOVABLE SILVER-PLATED DIES"**
23. Mervyn Yankelson, B.D.S., M.Sc., Visiting Assoc. Professor, Dept of Crown and Bridge, Univ. of Michigan, Ann Arbor, MI  
**"CORRECTION OF ALVEOLAR DEFECTS USING A POROUS IMPLANT MATERIAL"**
24. Kim L. Kuhlike, D.D.S., M.S., Asst. Professor, Depart. of Fixed Restorative Dentistry, Baltimore College of Dental Surgery, Baltimore, MD  
**"AN ULTRA-CONSERVATIVE PORCELAIN-FUSED-TO-METAL BRIDGE"**

4:30-6:30 - RECEPTION - International Suite

**AMERICAN ACADEMY OF CROWN AND BRIDGE**

**PROSTHODONTICS**

**ROSTER - 1977-1978**

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