



# ACADEMY OF DENTAL MATERIALS NEWSLETTER

[www.academydentalmaterials.org](http://www.academydentalmaterials.org)

*Jack Ferracane, Secretary ADM*

**February 2001**

## Message from the President

Greetings on entering the new millennium. I am pleased and honored to be president of the Academy of Dental Materials for the next two years.

I would first like to thank Bob Erickson for his leadership and support. The new officers and board members are listed in another section of this newsletter. The next two annual meetings will be international. This year's meeting will be in Siena, Italy, October 25-27, focusing on Scientific Criteria for Selecting Materials and Techniques in Clinical Dentistry. Marco Ferrari has put together an outstanding group of researchers and clinicians to examine and explore this topic. The format of the meeting will be slightly different from past meetings. The morning session will concentrate on the scientific basis of the subject and the afternoon session will be directed to clinical application of the particular material or procedure. A copy of the preliminary program is available on the Academy's website (<http://www.academydentalmaterials.org/>).

Our fourth joint meeting with the Japanese Dental Materials Society will take place October 29-November 2, 2002 at the Hawaiian Convention Center in Honolulu, Hawaii. The program has not been finalized, so if you have suggestions for topic, send your ideas to Ron Sakaguchi [sakaguch@ohsu.edu](mailto:sakaguch@ohsu.edu) or me [Drummond@uic.edu](mailto:Drummond@uic.edu).

The remainder of this message will focus on a critical issue facing the Academy and dental schools: the need to attract new members into the Academy and young graduates into an academic career. If each member could recruit one new student member and one faculty member into the Academy, this would make a significant impact on this problem. If we are unable to recruit new members into these two organizations, the role of dental materials educators will diminish as will the role of the dental school in the medical teaching environment.

Good health and success in the New Year.

Jim Drummond, President, ADM

## New Officers of the ADM

At the annual meeting of the academy in New Orleans, the following new Board of Directors was approved by the membership.

President – Jim Drummond  
Vice President – Susanne Scherrer  
Immediate past-President – Bob Erickson  
Secretary – Jack Ferracane  
Treasurer – Mike Bagby

### Members at Large :

George Cowperthwaite	Reinhard Hickel
Hiroshi Nakajima	Dorin Ruse
Ron Sakaguchi	David Sarrett

Many thanks to two of our dedicated board members who just completed their terms: **Toru Okabe and Yoshiaki Tani**. Among other things, Drs. Okabe and Tani were instrumental in organizing and conducting the three International Congresses sponsored by ADM and JSDMD held in Hawaii in 1989, 1993 and 1997. We can only hope that our joint meeting with JSDMD in October of 2002 will be as successful.

## New Fellows Join Academy

The ADM was happy to welcome 6 new Fellows this past year:

1. Dr. Richard V Curtis  
King's College London
2. Dr. Gerard Kugel  
Tufts University School of Dental Medicine
3. Dr. Alessandro Vichi  
Siena Dental School
4. Dr. Franklin Garcia-Godoy  
University of Texas – San Antonio
5. Dr. S. K. Sidhu  
University of Newcastle
6. Dr. Hak-Kong Yip  
University of Hong Kong

Special Note: Dr. Garcia-Godoy, FADM, who is also the Editor of the American Journal of Dentistry, will be moving to Tufts University in Boston in March 2001 to become Head of the Division of Biomaterials. Congratulations Franklin, and best wishes!

**ADM annual meeting in Sienna, Italy (Oct. 25-27). Program chair: Marco Ferrari**

The Academy of Dental Materials will host its annual meeting in New Orleans, on October 26-28, on **Scientific Criteria for Selecting Materials and Techniques in Clinical Dentistry**. The program is posted on the website of the ADM [www.academydentalmaterials.org](http://www.academydentalmaterials.org)

The 14 speakers represent 7 different countries (see program below). The meeting will be held at the Dental School in Siena. Reservations can be made at several nearby hotels. More information will follow shortly. Conference registration forms can be obtained from the ADM's website (in pdf format) or from Dr. David Sarrett; Phone: (804) 828-2977; Fax: (804) 828-3159

e-mail: [dsarrett@den1.den.vcu.edu](mailto:dsarrett@den1.den.vcu.edu)

**Program of the ADM 2001 annual meeting:**

Organization: Marco Ferrari

Title: "Scientific criteria for selecting materials and techniques in clinical dentistry"

The program is also posted on the ADM's web.

**1<sup>st</sup> morning**

**Materials for indirect adhesive tooth colored restorations: Porcelain vs. resin-based composite**

Chairman: Scotti (Bologna)

Krejci (Geneva): resin-based composite

Roulet (Berlin): Porcelain

**1<sup>st</sup> afternoon, Round Table**

**Can reinforced resin-based and/or new ceramic materials replace metals?**

Chairman: Drummond (Chicago)

Kunzelmann (Munich): Inlays and onlays

Fuzzi (Bologna): Clinical experiences with bonded indirect restorations

Goldberg (Connecticut): Crown and Bridge restorations

**2<sup>nd</sup> morning**

**New build-up materials and techniques**

Chairman: Ferrari (Siena)

Apicella/Rengo (Naples): Post or non-post restoration in an FEA view

Sorensen (Portland): Measuring the quality of build-up

Mason (Padua): Metal or non metal posts

**2<sup>nd</sup> afternoon, Round Table**

**Light devices and properties of resin composite materials**

Chairman: Davidson (Amsterdam/Siena)

De Gee (ACTA): Light curing and depth of cure

Braem (Brussels): The relevance of fatigue resistance measurements

Watts (Manchester): The relevance of visco-elasticity and elastic module

Ferracane (Portland): Overview on resin materials for posterior teeth.

**3<sup>rd</sup> morning**

**Bonding to dental substrates: lab and clinical investigations**

Chairman: Goracci (Rome)

Van Meerbeek (Leuven): lab relevant data for clinical dentistry

Dondi (Bologna): Clinical investigations: how can be performed?

**Transactions from the 1999 and 2000 meetings are available for sale.**

1999 Tissue Engineering and Biological Interactions of Materials in Dentistry.

2000 Dental Implant Treatments: Issues Beyond Ten Years In Vivo

To order, send a check for US \$25 per book to:

Dr. David C. Sarrett, Transaction Editor

Academy of Dental Materials

520 North 12th Street

PO Box 980566

Richmond, VA 23298-0566

**2000 Paffenbarger Award**

Congratulations to Dr. Alvaro DellaBona, winner of the 2000 Paffenbarger Award at the annual meeting. Al won for his excellent presentation entitled Failure Analysis of Resin Composite Bonded to Ceramic. The poster was co-authored by Dr. DellaBona's mentors at the U. of Florida, Dr. Ken Anusavice and Dr. Jack Mecholsky.

**ADM Annual Student Awards**

In 2000, 47 ADM Annual Student Awards were presented at dental schools around the world. The ADM invites applications for the Annual Student Award for 2001 (see form at the end of the newsletter). All requests should be directed to:

Dr. M.S. Bapna

Department of Restorative Dentistry

College of Dentistry, Room 339A

University of Illinois-Chicago

801 S. Paulina St.

Chicago, IL 60612-7210

ph.# 312-996-5697; fax# 312-996-3535;

email- [bapnam@uic.edu](mailto:bapnam@uic.edu)

**Membership Dues payments:**

Note that dues for 2001 are due March 1. As of November, 1999, strict deadlines exist for the payment of dues. Please respond to avoid interruptions in your journal subscription.

### **Treasurer's Reminder**

The financial and membership activities of the treasurer's office have moved from the WVU School of Dentistry to the accounting firm of Simpson & Osborne. The new mailing address for dues, registrations and address changes is:

Academy of Dental Materials  
PO Box 432  
Morgantown, WV 26507-0432

Our contact person is Ms. Kimberly Phillips.  
[kaphillips@sandocpas.com](mailto:kaphillips@sandocpas.com)  
Toll free number: 1-877-826-6372  
Telephone Number: (304) 292-7343  
Fax Number: (304) 292-7099

### **Journal News from the Editor**

The journal continues to be published on time and is attracting a high manuscript submission-rate. Consequently, we have to remember the special focus of the journal - so sometimes, otherwise sound manuscripts that do not have a strong focus of advancing the clinical/materials science of dental biomaterials have to be re-directed elsewhere. Editorial Board members should note that there will be an Editorial Board meeting in Chicago at the AADR.

### **NIH Has New Institute - National Institute of Biomedical Imaging and Engineering**

On Dec. 29, 2000, President Clinton signed HR 1795 establishing the National Institute of Bioimaging and Bioengineering at the NIH. Information can be found at this website: <http://olpa.od.nih.gov/Legislation/24national.htm>. The purpose of the new institute is to accelerate the development of new technologies with clinical research applications, improve the coordination and efficiency at NIH and throughout the Federal Government, reduce duplication and waste, promote economic development, and provide a structure to train young investigators.

It is not entirely clear at this time how the institute will be funded. The two options are to redistribute monies from existing institutes or to fund from new monies. One of the institutes would be NIDCR, and therefore the first option is the least desirable for dental researchers. In addition, the Director of NIH would be authorized to transfer personnel and obtain administrative support from other agencies of NIH, such as NIDCR. At this time, it is premature to predict the impact, if any, that the new institute might have on the NIDCR, as plans for the structure and funding of the NIBIE have not been announced. However, as one mandate for the new

institute is in biomaterials, the ADM, AADR and DMG will closely monitor the development of the NIBIE. We will continue to send messages via email and newsletters as we learn more about the new institute. Please contact me at [sakaguch@ohsu.edu](mailto:sakaguch@ohsu.edu) if you have any news, comments, or concerns about the NIBIE.

### **Web site : [www.academydentalmaterials.org](http://www.academydentalmaterials.org)**

Please check this site on a regular basis and send any new items to Ron Sakaguchi: ([sakaguch@ohsu.edu](mailto:sakaguch@ohsu.edu)).

A direct link from the ADM site exists to the DMG-IADR, where you can find information on meetings related to dental materials. The DMG site can be accessed from the IADR site.

### **Position Descriptions**

Baylor - The Department of Biomaterials Science, Baylor College of Dentistry, Texas A&M University System Health Science Center, invites applications for a full-time, tenure-track faculty position at either the Assistant or Associate Professor level. Responsibilities include 1) teaching in our dental materials courses for dental and dental hygiene students and in our graduate materials science program; and 2) performing extramurally funded research in materials science (specialty in polymers is preferred). Applicants should hold a DDS/PhD degree; a DDS with strong background and interest in performing research; or a PhD with experience teaching at a dental school. Please send a letter of interest, curriculum vitae, and contact information for three references to: Dr. Toru Okabe, Professor and Chairman, Dept. of Biomaterials Science, Baylor College of Dentistry, 3302 Gaston Ave., Dallas, TX 75246. AA/EOE.

Oregon - The Department of Biomaterials and Biomechanics, Oregon Health Sciences University, has an opening for a full-time, tenure-track, faculty member at the Assistant, Associate or Full Professor level. Applicants must have a DDS/DMD and PhD, or PhD in biomaterials, biomedical engineering or the materials sciences. Evidence of funded research preferred. Opportunities for participation in clinical research are available. Teaching experience at the pre-doctoral and graduate levels is required. Academic rank and salary commensurate with experience. Equal opportunity/affirmative action employer. Send curriculum vitae to Dr. Jack L. Ferracane, Department of Biomaterials and Biomechanics, Oregon Health Sciences University, 611 S.W. Campus Drive, Portland, OR, 97201; e-mail: [ferracan@ohsu.edu](mailto:ferracan@ohsu.edu).