

ACADEMY OF DENTAL MATERIALS NEWSLETTER

www.teleport.com/~aofdm

Susanne Scherrer, Secretary ADM

August 1999

1999 ADM Annual meeting in Tempe (AZ) (John Powers & Joel Berg)

"Tissue Engineering and Biological Interactions of
Materials in Dentistry"

Date: October 28-30

Registration after August 1: \$400

Hotel registration group rate deadline: August 15

Please call & confirm your room at the Wyndham
Resort in Tempe (800 843-1986 or 602 225-9000)

The reception will be held on Thursday evening at
6:30 pm and dress will be business casual. Dress
for the seminar will be casual.

Full program accessible on the ADM's web page:

www.teleport.com/~aofdm

For further information contact John Powers at the
University of Texas-Houston Health Science
Center, Dental Branch, by fax: 713-500-4500, by
phone: 713-500-4470 or by e-mail:
jpowers@mail.db.uth.tmc.edu

Transactions Editor's News (David Sarrett)

For those who do not attend the ADM meeting, the
deadline for ordering Transactions of the Tempe
meeting is August 15.

Order forms with check or credit card information
should be mailed to:

Dr. Jim Overberger, Treasurer ADM

West Virginia University, School of Dentistry

1163 Health Sciences Center

P.O. Box 9403

Morgantown, WV 26506-9403, USA

Data base of Potential reviewers for the Journal Dental Materials

David Watts and Ron Sakaguchi are building up a
database of potential reviewers for the journal
Dental Materials. A first distribution of the attached
list was circulated through e-mail mid-July to those
with known addresses. Please have a look at this
list, distribute it to other colleagues that may be
interested. Fill it out and mail, fax or e-mail it to
Ron Sakaguchi as quickly as possible:

Ron Sakaguchi

OHSU School of Dentistry

Biomaterials and Biomechanics

611 SW Campus Dr. SD-503

Portland, OR 97201-3097, USA

phone: (503) 494-8692

fax: (503) 494-8260

e-mail: sakaguch@ohsu.edu.

The respondents should also indicate if they are
Academy members.

Journal Dental Materials

Full details of the new instructions to authors are
available on both the Academy and Elsevier Web
sites (www.elsevier.nl/locate/dental).

The journal is back on track and you should have
received by now **all 6 issues of 1998 (vol.14) as
well as issue 1, 2&3 of 1999 (vol.15)**. If you are
missing any of these issues, please contact
immediately Jason Griggs (Dallas, USA)
indicating clearly which issue is missing.

JGriggs@tamabcd.edu

phone: (214) 828-8307

fax: (214) 828-8458

Call for data for the "Biomaterials Properties online Database" (William . O'Brien)

The Biomaterials Physical Properties Database,
online since 1994

(http://www.lib.umich.edu/libhome/Dentistry.lib/Dental_tables/intro.html),

is requesting your additional published data on
natural and synthetic biomaterials. Many people
like the convenience of this database, but it will
only work if we all participate in contributing data.
Please send a copy of your publications with the
data you wish to contribute highlighted to:

Dr. William J. O'Brien

Professor and Director

Biomaterials Research Center

University of Michigan

1011 N University Ave

Ann Arbor, MI 48109-1078

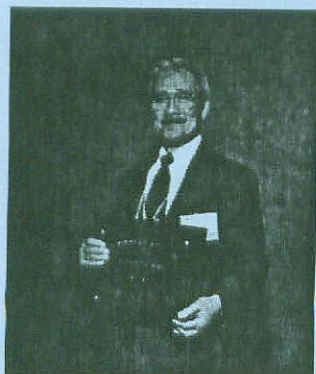
Fax: 734-647-5293

Phone: 734-763-9339

e-mail: wjobrien@umich.edu

Souder Award to Toru Okabe

The Academy of Dental Materials is very proud of



It's member and fellow, Dr. Toru Okabe, Professor and Chairman of the Department of Biomaterials Science, Baylor College of Dentistry, Texas A&M University System Health Science Center, who was the recipient of the 1999 IADR Wilmer Souder Award, presented each year to only one person worldwide in the field of dental materials science.

Dr. Okabe received a cash award and commemorative plaque in recognition of his significant contributions to the field of dental materials research at the 77th IADR General Session held recently in Vancouver, British Columbia:

Dr. Okabe is one of the most highly respected materials scientists in dentistry because of his outstanding research effort for many years in the area of dental metallic materials. He worked in the research laboratory of a leading metal manufacturer in Japan before receiving a Ph.D. in materials science at the University of Florida. He joined Baylor in 1982 to strengthen the research program in dental materials. Prior to working at Baylor, Dr. Okabe worked at Georgia Institute of Technology and Medical College of Georgia. His projects have been funded consistently by the National Institutes of Health for 25 years. He has pioneered basic research on the kinetics of amalgamation reactions and has been one of the recent leaders in research on the properties and microstructure of titanium and titanium alloys for dental applications. Dr. Okabe also has led a research program to analyze gallium alloy alternatives to dental amalgam. Apart from his research activities, he has promoted international cooperation in dental materials research. Because of his international reputation, approximately 30 postdoctoral researchers from foreign countries have visited his laboratory at Baylor to perform research on various dental materials.

Initiated in 1955, the Wilmer Souder Award is the oldest of the IADR's 15 Distinguished Scientist Awards. The award honors Dr. Wilmer Souder, the motivating force in establishing the dental section at the National Bureau of Standards (now the National Institute of Standards and Technology), and is designed to perpetuate the scientific ideals that he exemplified and to encourage interest in dental materials science. It is the highest honor in the field of dental materials research awarded to those scientists who bring about outstanding advances in dental health. Established by the IADR's Dental Materials Group, the award is supported by the group as well as the William T. Sweeney Memorial Fund.

Web site & membership directory

Jason Griggs has done a tremendous job in automating the membership directory, which is on the web, but has not yet been approved by the board for publication because of security concerns.

Ron Sakaguchi is constantly updating the web site with recent information on the ADM meetings. Please check this site on a regular basis.

www.teleport.com/~aofdm

Greener Award (Vickie Marker)

The initiation of an annual Greener Award Grant has been postponed one year to allow the ADM to establish an electronic mechanism to receive and review the grants. These grants will be evaluated on the basis of novelty and innovation of the research or teaching idea. All ADM members are eligible to apply. Further information about the submission process and the date for applying will be included in the next newsletter.

The formal announcement about the grant program to honor Dr. Evan Greener for his contributions to the Academy will be made during the evening reception of the Academy's annual meeting in Tempe Arizona. Dr. Greener is expected to attend the reception. The recognition will include short stories and recollections of the early days from a few of the Academy Past Presidents and founding members. Anyone who has a memory or a photograph of the ADM's early days should send them to Dr. Vickie Marker.

YOUR E-MAIL PLEASE !!!

We are still struggling to collect the member's e-mail addresses. If you have not received any e-mail message in 1999 from Susanne Scherrer that means that we don't have your e-mail address or the one you gave to the Academy is not accurate. Please send your e-mail address to:

susanne.scherrer@medecine.unige.ch

Any comments (positive or negative) about the Academy's doings are welcome and should be e-mailed or faxed to:

Susanne Scherrer

Univ. of Geneva, School of Dentistry, Switzerland

Fax: +41 22 781 1297

e-mail: susanne.scherrer@medecine.unige.ch

Survey of Potential Reviewers for *Dental Materials*

As a potential reviewer for Dental Materials, we invite you to list your areas of research expertise. Please reply to this email by entering codes from the following categories, separated by commas, into the body of your email response. Thank you. (Ron Sakaguchi at Sakaguch@ohsu.edu)

Materials

1001	Adhesives	3003	Differential scanning calorimetry (DSC)
1002	Acrylics	3004	Dynamic mechanical analysis (DMA)
1003	Amalgam	3005	Elemental micro-analysis of solutions (ICPE, AA & Ion Chromatography)
1004	Ceramics bonded to metal	3006	Force and stress measurements
1005	Cements	3007	FTIR
1006	Compomers	3008	Imaging
1007	Denture-base materials	3009	Laser
1008	Endodontic materials	3010	Microscopy
1009	Etchants	3011	Nondestructive evaluation
1010	Fluoride	3012	Numerical methods including FEA, CFD
1011	Glass ionomers	3013	Profilometry
1012	Gypsum	3014	SEM
1013	Implants, extraoral	3015	Spectroscopy
1014	Implants, intraoral	3016	Strain gage methods
1015	Impression materials	3017	Surface analysis
1016	Investment materials	3018	TEM
1017	Metal matrix composites	3019	Thermal mechanical analysis (TMA)
1018	Metals and alloys	3020	Thermocycling
1019	Orthodontic materials		
1020	Polymers		
1021	Polymer matrix composites		
1022	Porcelain and ceramics		
1023	Maxillofacial prosthetic materials		
1024	Resin-modified glass ionomers		
1025	Sealants		
1026	Soft-lining denture materials		
1027	Tooth structure		
1028	Varnish		

Physical and Mechanical Properties

4001	Adhesion
4002	Biocompatibility
4003	Bond strength to dentin
4004	Color
4005	Cohesion
4006	Compliance, displacement, and strain
4007	Conductivity
4008	Corrosion
4009	Dynamic mechanical behavior
4010	Elasticity
4011	Electrochemistry
4012	Fracture
4013	Impedance spectroscopy
4014	Interface mechanics
4015	Microleakage
4016	Optical properties
4017	Polymerization
4018	Polymerization shrinkage
4019	Rheology
4020	Solubility
4021	Stress
4022	Surface roughness
4023	Thermal expansion
4024	Tribology
4025	Viscoelasticity

Disciplines

2001	Biochemistry
2002	Biomechanics
2003	Biomedical optics
2004	Cariology
2005	Dental hygiene
2006	Endodontics
2007	Implantology
2008	Maxillofacial prosthodontics
2009	Microbiology
2010	Molecular biology
2011	Oral and maxillofacial surgery
2012	Organic chemistry
2013	Orthodontics
2014	Pedodontics
2015	Periodontology
2016	Prosthodontics
2017	Statistics
2018	Tissue engineering

Test Systems and Methods

3001	Atomic Force and Scanning Probe Microscopy
3002	ASTM tests