Message from the IADR DMG President

Dear Members of the DMG:

I have really enjoyed my term as elected DMG President following the excellent General Session meeting in San Diego in 2011. I think this is the first time the post has been held by someone from the UK and it illustrates the truly international nature of our Group. I had a steep learning curve working as Group Program Chair for the last IADR meeting, but was able to draw on the very recent Institutional memory of Mark Latta, our President in 2010, and the many past Presidents of DMG. It is excellent that the membership voted to accept the post of Vice President, as this will allow an individual a longer lead-time into the machinations of the DMG, especially with respect to organizing different aspects of our meetings. (For an announcement about this new position see below.)

The Business Meeting in San Diego covered a number of issues but, as outlined by Mark in his notes in the previous newsletter, there were three other issues on which a vote was required. Firstly, the motion to endow in perpetuity the Wilmer Souder award, the premier award of DMG, was passed. Also we agreed to the proposal for electronic voting, but the proposed name change was not carried. Clearly, our membership has a fondness for the acronym DMG and there was some well argued, if not passionate, discussion on the topic. There were a lot of written suggestions on the ballot papers. The most common suggestion was Dental and Biomaterials Group (DBMG). As we now have the ability to address this electronically, we will arrange an electronic ballot (including no change).

Our winner of the Souder award in 2011 was Steve Bayne, the éminence grise of the DMG and a major support to the current officers of the Group. The poor chap was quite overwhelmed when Bill Marshall stood up and gave a soliloquy expressing his many considerable talents during the business meeting: as captured in Larry Gettleman’s picture.

Steve Bayne and Bill Marshall

Gavel Handover (Mark Latta to Tim Watson)

2012 Winner of Souder Award

Congratulations go to Dr. Jack Lemons from the University of Alabama in Birmingham, AL as the 2012 winner of the Souder Award.
The research activities of J. Lemons have focused on the biocompatibility profiles of surgical implant devices with an emphasis on the role(s) of element and/or force transfers along biomaterial-to-tissue interfaces.

I would like to personally thank **Paulo Cesar (President Elect)** for his great help with the San Diego meeting: Skype was a useful adjunct for putting the meeting together! Paulo has already covered the AADR Tampa meeting reviewers (March 2012) and also of course, on his home turf in Brazil, (June 2012).

Finally, we should congratulate (or maybe commiserate with) Immediate Past President, Mark Latta on his recent promotion to Dean of Creighton University School of Dentistry.

**Tampa Meeting (AADR):**


There were 11 lunch & learning programs organized by Paulo Cesar with thanks to Marco Bottino, Carmem Pfeifer, Jack Ferracane, Ken Anusavice, Margherita Fontana, Jack Mecholsky, Nick Silikas, Ulrich Lohbauer, Ana Karina Bedra-Russo, Arzu Terzvergil-Muluay, Allyson Barrett and Tom Hill. In addition 5 keynote addresses were provided by Drs. Thomas Kosmac, Mutlu Ozcan,

**Reviewer Thanks**

**San Diego Meeting (IADR):**

DMG Receptions

The 2011 DMG reception was held on the USS Midway moored in San Diego harbour. The Midway is a heavily rebuilt World War II floating museum in San Diego Harbor. Tour guides gave excellent commentaries for the Group members, the highlight definitely being the extensive dental suite in the centre of the ship. Thanks to our past and current sponsors for the DMG reception events:

- Bisco Inc.
- GC America, Inc.
- Heraeus Kulzer GmbH
- Ivoclar Vivadent
- Kuraray America, Inc.
- Shofu Inc.
- Tokuyama Dental

The Dental Materials Group Reception at the 2012 AADR Tampa meeting was a great success with a complete ticket sell-out and good food, in an interesting venue just a short walk from the convention center. The only problem was that the heavens decided to open just before the party began and many delegates turned up soaked through like drowned rats. After some drying out, a warm meal and plentiful wine the party swung along merrily. We had excellent trade sponsorship for the event from GC America, 3M-ESPE, Ivoclar, Whipmix and Tokuyama Dental.

Voting for DMG President elect and the new position of Vice President

Following the annual business meeting in San Diego, we now have a new DMG officer position of Vice President. This will allow a more gradual transition between officers, so that there is better continuity in DMG planning of our meeting contributions to the AADR & IADR annual meetings. We currently have nominations for these positions and an electronic vote will be taken before the meeting in Igaçu Falls in June.

Nomination for President-elect

Dr. Ana-Bedran-Russo is an Assistant Professor in the Department of Restorative Dentistry at the UIC College of Dentistry. She is the Director of Applied Dental Material and Interface Research Laboratory. She teaches Operative Dentistry and Dental Biomaterials to graduate and post-graduate courses. She obtained her DDS degree in 1997 from Aracatuba Dental School – University of the State of Sao Paulo in Brazil. She earned a MS (2000) and PhD (2003) degrees from Piracicaba School of Dentistry – University of Campinas (Brazil). She was a post-doctoral fellow in the University of North Carolina (2003-2004) and University of Illinois at Chicago (2005). She has published over 50 peer-reviewed research articles and 85 research abstracts. Her research interests are in biomechanical and biochemical properties of dental hard tissue and also biomaterials-tooth interfaces. She is reviewer...
for several peer-reviewed journals, including *Journal of Dental Research*, *Journal of Dentistry* and *Journal of Biomedical Materials Research* and *Journal of Prosthodontics*. Her research projects are funded by federal and institutional grants.

**Nomination for Vice President**

Mutlu Özcan (June 17th, 1969) holds a Doctor of Dental Surgery degree from the University of Marmara in Istanbul (1993). She did her elective studies at the Department of Maxillofacial Surgery at Cardiff Dental Hospital in United Kingdom (August 1990 and August 1993). Between 1996-1998, she did her Doctor Medicinae Dentium (Dr.med.dent.) at the Medical and Dental School of Cologne, Department of Prosthodontics in Germany. She worked at the University of Turku, Department of Prosthetic Dentistry and Biomaterials Research in Finland between 2001-2002 and became an adjunct member of the Biomaterials Research Group (2002-2008). In 2000, she was offered a position as an Assistant Professor at the University Medical Center Groningen, The Netherlands where she did her Ph.D in 2003 entitled “Adhesion of Resin Composites to Biomaterials in Dentistry: An Evaluation of Surface Conditioning Methods”. In May 2007, she was appointed as a full-time Professor being the Head of Clinical Dental Biomaterials. In July 2009, she is appointed as the Head of Dental Materials Unit, at the Clinic for Fixed and Removable Prosthodontics and Dental Materials Science, University of Zurich, Center for Dental and Oral Medicine, Switzerland. She has Visiting Professorship positions at São Paolo State University, São Jose dos Campos, Brazil (2006-), Juiz de Fora Federal University, Brazil (2009-), University of Brno Technical University, Czech Republic (2010-) and Izmir Katip Celebi University, Izmir, Turkey (2011-). She has authored more than 150 scientific articles in peer-reviewed journals (Cumulative impact factor: 299, h-index: 21), has given over 300 presentations at international scientific meetings, is a frequent lecturer at scientific meetings and receiver of several international awards. She has also reviewer positions at the editorial boards of several scientific journals. Her main focus of research involves clinically prosthetic applications, minimal invasive adhesive applications, investigating longevity of dental restorations and pre-clinically translational research of dental biomaterials with an emphasis on adhesion, simulation testing methods, aging phenomena of materials and interfaces, surface conditioning and coating methods.

**Symposia ideas and offers for the IADR General session in Seattle 20-23rd March 2013**

It may seem along time off, but we need to have our plans well advanced for symposia, lunch & learning and hands-on sessions immediately after the 2012 General Meeting in Brazil. There will be an option for free text comments with the upcoming electronic ballot and so we would welcome any offers and suggestions. Do not forget to also send suggestions of Keynote Speakers and be sure to give your email address so that we can follow up any ideas with you.

**2012 IADR DMG Reception in Iguacu Falls, Brazil**
The reception will be held at the Bourbon Hotel, Poolside, on Wednesday (June 20th, 2012) 7:00 to 9:00 pm, Casual Dress.

The Bourbon Hotel is located on the border of Brazil, Argentina and Paraguay, with an area of 165.000 m² and is just a few minutes away from the Iguaçu National Park with its amazing waterfalls. With a width of 2,700 meters, the falls fill the eyes of the visitors, with water sprays falling down from a height of 72 meters.

Register online for the reception using the IADR Meeting Registration for the 2012 Annual Meeting. Limited to the first 400 registrations. Tickets may be purchased at the door based on remaining availability for planned size of reception. Heavy hors d'ourves, beer, wine, and soft drinks will be served.

Registration fees:
• $50 per person
• $40 for IADR student registrants.

This event has been substantially underwritten on a continuing year-to-year basis by our loyal corporate sponsors and friends of DMG-IADR.

We are indebted most recently for contributions from IVOCLAR/VIVADENT, GC, 3M-ESPE, and SEPTODONT for support for the reception.

Direct all other questions to
• Paulo Cesar (GPC Chair and Organizer: paulofc@usp.br)
• Tim Watson (President: timothy.f.watson@kcl.ac.uk)

For other details, please visit the DMG website http://www-personal.umich.edu/~sbayne/DMG/000-Index-Files/index-DMG-frames.htm

Recently Deceased DMG Members: John Stanford, Clyde Ingersoll, and Jack Mitchem.

John C. “Jack” Mitchem (1932-2012)

John Coate (“Jack”) Mitchem passed away on January 8, 2012 after a two year battle with cancer. Jack was born and raised in southern California. He moved to Oregon earned a BS from Oregon State University in Game Management in 1954. He served on active duty in the U.S. Navy from 1954-1956, before returning to Oregon State to pursue an MS in Science Education, which was granted in 1958. He continued to serve in the Naval Reserve from 1957-1988, retiring at the rank of Captain. After teaching high school for one year, he enrolled in dental school at the University of Oregon Dental School in Portland and earned the DMD in 1963. He continued his educational pursuits on a postdoctoral fellowship sponsored by the National Institute of Health under David Mahler, and earned a MS in Dental Materials at the University of Oregon Dental School in 1965. He then became an Assistant Professor at the dental school, being promoted to Associate Professor in 1968 and to full Professor in 1975, a position he held until his retirement in 1993. He continued to serve the Oregon Health & Science University as Professor Emeritus until June 2010.

During his academic career, Jack wore many hats. He was an excellent teacher, guiding dental students through the often
bewildering world of dental materials with nearly unbound enthusiasm, earning the nickname of “Jumpin’ Jack” from the students. He was an excellent instructor to fellow faculty, graduate students, and visiting faculty, taking the time to explain the proper use of dental materials and to demonstrate dental and laboratory techniques whenever asked. He was a key figure in the admissions process for the dental school, serving as the chair of the Admissions Committee for 14 years. He was also one of the key decision makers when it came to choosing the most appropriate materials for use in the dental curriculum.

Jack was continuously involved in research during his career, much of it sponsored by dental manufacturing companies, and always worked on problems of practical significance and relevance to the daily practice of general dentistry. Specifically, he was involved in clinical studies investigating the solubility of dental cements, the validity of laboratory tests for predicting the clinical solubility and clinical performance of dental cements, the influence of dental amalgam alloy type on marginal adaptation, and the wear and marginal fracture of dental composites. Jack pioneered two methods for studying the clinical performance of cements and composites. He developed a holder for placing dental cements into the oral cavity in a controlled manner to assess solubility in vivo and to compare it with the results obtained from in vitro specification tests. He showed that the solubility of cements could be ranked in a different order when tested intraorally vs. in water in the laboratory. He also developed a full denture model for evaluating the clinical wear of dental composites, allowing for the removal and autopsy of these restorations. He showed that the abrasive wear in the denture model produced equivalent wear results as those obtained in dentulous patients for certain composites. In all, Jack co-authored more than fifty research articles and presented his work at IADR/AADR meetings for over 40 years. Jack served as the Secretary and President of the DMG from 1974-1981, and was an officer in many other local and national scholarly groups. In 2008, Jack received the Ryge/Mahler Award for excellence in clinical research from the Dental Materials Group of the IADR.

Despite not practicing dentistry after graduation, Jack always stayed to date and became a sought-after speaker by local and national dental groups for his expertise in dental materials. He delivered hundreds of continuing education or study club presentations in his career. His connection to organized dentistry in Oregon was so strong that he was continuously being called by local and regional practitioners for his expert opinion about the latest most recent material or technique. This was a tremendous service that he provided to the regional dentists, and especially OHSU alumni, who would call him for years after graduating from dental school to be updated about “the latest and greatest” developments in dental materials.

Perhaps the greatest contribution that Jack made to his profession was his tireless dedication to the American Dental Association, both as an expert in dental materials providing guidance for the Council on Dental Materials, Instruments and Equipment for many years, and for his work in the ADA standards and specification program as a member of the American Standards Committee (MD156), where for many years he chaired the Restorative Materials Group. Jack was involved in the development and approval of many of the ADA standards and specifications used by dental manufacturers when developing new products, and routinely utilized by the profession to ensure the safety and efficacy of those products.
Jack’s favorite hobbies were sailing, hiking, skiing and enjoying the wilderness of the northwest. He is survived by his wife Lucy Mitchem, and sons Jeff and John and their families. A memorial scholarship for dental student research support has been set up in Jack’s name through the OHSU Foundation, OHSU School of Dentistry, 611 S.W. Campus Drive, Portland, OR, 97239 (contact Mr. Pat Regan for more information reganp@ohsu.edu).

The dental profession and the dental materials research community are deeply saddened at the loss of a great friend and colleague.

(Obituary from Jack Ferracane)

Current Officers – DMG:

TIM WATSON, President, King’s College London Dental Institute, timothy.f.watson@kcl.ac.uk.

PETRA GUESS, Secretary, University of Freiburg, petra.guess@uniklinik-freiburg.de.

PAULO CESAR, President-elect, University of São Paulo, paulo.fc@usp.br.

MARK LATTA, Immediate Past-President, Creighton University, marklatta@creighton.edu.

JULIANA DA COSTA, Treasurer, OHSU dacostaj@ohsu.edu.

SIBEL ANTONSON, Councilor, University of Buffalo and Ivoclar Vivadent, sibel.antonson@ivoclarvivadent.us.

JEFFREY PLATT, Past-President, Indiana University, jplatt2@iupui.edu.

SATOSHI IMAZATO, Senior Past-President and Chair of Nominating Committee, Osaka University, imazato@dent.osaka-u.ac.jp.