

Academy News



**Academy of
Osseointegration**

Advancing the Vision of Implant Dentistry

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"Output": The final step in digital diagnosis and treatment

By **Dr. Stephen M. Schmitt**

Advances in digital imaging, solid modeling, and manufacturing are beginning to impact the way we provide implant treatment in our daily practice. We commonly use computed tomography, digital radiographs and photographs for patient evaluation and to communicate with other providers. In the near future, we will be able to integrate this information as three-dimensional data about our patients in a virtual design process that will reduce costs and improve quality. Many of the tools needed for virtual diagnosis and treatment planning have already been created and are used in industry. These same tools and techniques can be easily used in implant dentistry.



Dr. Stephen M. Schmitt

this model, it is a simple process to position virtual implants and teeth in their proper orientation to plan for implant placement and bone grafting. This model can also be used to create a digital "drill guide" to use at the time of surgery (Figure 1).

Image data about a patient can also come from clinically scanning the patient's teeth or by scanning models of the patient. Image data from extracted teeth following placement of immediate dentures can also be used to create three-dimensional files for the design of a final restoration (Figure 2).

Imaging can also simplify implant impression procedures, as images of healing abut-

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Interactive treatment planning featured at AO in San Francisco: see page 5

Academy News

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Computed Tomography & Imaging

Many are familiar with digital imaging using computed tomography. In this process, two-dimensional images (slices) are joined to create a three-dimensional virtual computer model of bone, teeth and soft tissues. With



President's Message

Looking back on a busy, successful year

By Dr. Clarence C. Lindquist

It has been a busy year, and it is hard to believe that it is coming to an end. We started the year on the heels of an extraordinarily successful AO Annual Meeting in Boston. The Program was star-studded and an extraordinary success on its own merits. The meeting was also successful from an economic standpoint. This economic success has given the AO the platform on which to create our strategic plan and build for the future.



Dr. Clarence C. Lindquist

The goal of your Board this year has been to continue to improve the educational product and membership services in every area. A special word of thanks goes to Dr. **David Guichet** for his work with the Newsletter over the last four years. We extend a welcome to Dr. **Michael Norton**, who is assuming David's position at the San Francisco Meeting.

Implement strategic goals

The highlight of the summer was the Strategic Planning Session where the AO Board developed a complete strategic plan with fully developed strategies for implementation. We outlined four strategic planning goals in the last newsletter and have already begun to implement them. The strategic plan drew ideas and received direction from a generous member response to our online member survey.

Another very important event was the planning session for the 2006 consensus Workshop on the State of Science in Implant Dentistry. The program for that meeting, now complete, was described in an earlier edition of *Academy News*.

For the first time in AO history, the Academy's President was invited to address the American Association of the Oral and Maxillofacial Surgeons (AAOMS) at its annual meeting Opening Session. This was a great honor, and it gave me the opportunity to personally deliver an invitation to co-sponsor the AO Joint Annual Meeting in 2008. We have also extended invitations to that meeting to the American Academy of Periodontology (AAP), by President-Elect Dr. **Marjorie Jeffcoat**, and to the American College of Prosthodontists (ACP). We look forward to another successful interdisciplinary Joint Meeting in Boston in 2008.

"As part of the strategic plan, we have updated the Website and given it a totally new look."

As part of the strategic plan, we have updated the Website and given it a totally new look. Many new, exciting enhancements will be available to our members. The Website will be undergoing continuous redevelopment over the next couple of years, and we look forward to ideas from the membership.

The San Francisco site visit this summer, with Annual Meeting Chair Dr. **Richard Rounsavelle**, Program Chair Dr. **Joe Gian-Grasso**, Executive Director **Kevin Smith** and other AO Staff Members, was a great success. We

all look forward to the March Annual Meeting with eager anticipation. The facilities at the new Moscone West Convention Center are second to none.

Membership over 5,000

Other highlights of the year's activities include a San Francisco regional meeting, which will have taken place when you read this, and a schedule of regional meetings for 2004. Most gratifying has been the burst of membership growth, which has pushed our numbers over 5,000.

Lastly, the Academy and the Osseointegration Foundation have entered a new relationship, which promises to be more rewarding than ever. A Joint Committee of the AO and the OF are now working on the details of this new relationship, as detailed in a separate article in this newsletter on Page 3.

It has been an honor and a pleasure to serve this organization during the past year. I thank my fellow Board Members, the membership, Executive Director Kevin Smith and the AO Staff for their support in making this year the success that it became. The organization is going to be in good hands in the future with a talented, dedicated group of officers waiting to move up. I am also pleased to announce we have extended our relationship with our management company, EAI, for another two years, so our support staff will remain intact. They have made a significant contribution to our recent success.

Avoid the Rush! Pick Up Registration Packets Early

In light of what looks to be a meeting packed with educational opportunities (and attendees), AO encourages guests to sign in early and avoid the rush. The Academy will have pre-meeting registration packet pickup available Wednesday, March 17, 3 - 8 p.m. in the Level 1 Foyer of the Moscone West Convention Center.

Foundation, Academy form joint committee To consider future goals and objectives

Directors of the Osseointegration Foundation and the Academy of Osseointegration have agreed to create a joint committee to evaluate and define future interaction for both groups. This committee's goal is to "give members what



Dr. Stephen M. Parel

they want out of their Foundation," in the words of AO President Dr. **Clarence C. Lindquist**, Washington, DC.

The joint committee appointed by Dr. Lindquist

and Dr. **Stephen M. Parel**, Dallas, TX, representing the Foundation, will meet during the AO Annual Meeting in San Francisco to determine how to build a stronger and closer relationship between the two organizations. The committee will also evaluate how other dental and medical organizations have structured successful foundation relationships.

In addition to Drs. Lindquist and Parel, members of the OF/AO Joint Committee are Drs. **Dayn C. Boitet**, Orange Park, FL, **Joseph E. Gian-Grasso**,



Dr. Dayn C. Boitet

Philadelphia, PA, **Vincent J. Prestipino**, Bethesda, MD, and **R. Gilbert Triplett**, Dallas, TX.

This evaluation process was initiated in response to surveys conducted by the Academy and the Foundation where the membership indicated an expansion of the Foundation's mission might be appropriate. In response to these membership suggestions, the joint committee will consider how best to allocate the Foundation's resources to research, education, and charitable grants.

"The joint committee will work together with a common goal: to give the members the Foundation they want."

The Academy's founders incorporated the Foundation in 1991 when, as Dr. Parel, one of its original Board members, remembers, "The AO Board of Directors thought we should have a separate 501 © (3) corporation for tax purposes." Such a corporation can accept tax-deductible charitable contributions.

"The joint committee will work together with a common goal: to give the members the Foundation they want. It is truly an historic agreement, and we look forward to working more closely with the Foundation to 'advance, foster, encourage, promote and improve the

art, science and practice' of implant dentistry, to quote from the Foundation's original statement of purpose," Dr. Lindquist said.

The Foundation started with smaller grants, mostly for indigent care. Over the past 13 years, its principal programs have been these charitable grants and funding the Academy's research competition. The Foundation has built an endowment of more than \$640,000.

"With the money we have, we want to find different ways to act and interact more effectively with the AO," Dr. Parel said.



Dr. Vincent Prestipino

"We look forward to strengthening our relationship for the benefit of the members who support us and the patients we serve," both leaders concluded.



Dr. R. Gilbert Triplett

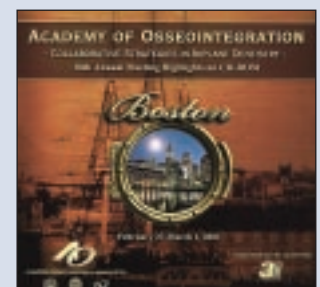
View Annual Meeting Highlights on CD-Rom

Highlights of the scientific program from AO's San Francisco Annual Meeting will be available on CD-Rom, sponsored by a generous grant from 3i, Implant Innovations, Inc. Members who cannot attend all the sessions can consult the final program guide for guidance on which presentations will be included on the CD-Rom. The new Annual Meeting CD-Rom will be available in June.

A CD-Rom capturing highlights from last year's Boston Annual Meeting, "Collaborative Strategies in Implant Dentistry," is still available. The three-disc set gives viewers a unique opportunity to hear 21 state-of-the-art lectures

and view speaker slides from home or office.

Thanks to the generous sponsorship of 3i, AO members can purchase this permanent collection of some of the best Boston presentations for only \$175 (non-members, \$200). Add \$15 for shipping outside the U.S. For more information, contact the Academy of Osseointegration at 800/656-7736



Saturday treatment planning session

Final highlight of AO's 2004 Annual Meeting

A "world-class" interactive treatment planning session that concludes AO's 2004 Annual Meeting in San Francisco



Dr. Richard K. Rounsavelle

will be the final highlight of a top notch gathering of science, fellowship and education, according to Program Chair Dr. **Joseph E. Gian-Grasso**, Philadelphia, PA. The meeting

will take place March 18 - 20, at the Moscone West Convention Center.

"Interdisciplinary understanding and cooperation are the hallmarks of outstanding clinical outcomes in implant dentistry," Dr. Gian-Grasso explained.

"Case presentations by three teams of expert practitioners will explore diagnosis, treatment planning, expected and unexpected outcomes. A chance for audience members to interact with the teams will provide a unique educational experience for all," he added.

Topics covered in the treatment planning session include:

- *Perio-Prosthetic Treatment Planning* — Drs. **S. Jean O'Neal** and **Michael S. Reddy**, Birmingham, AL;
- *Prosthetic Guided Bone Augmentation: A Team Approach to Reconstructive Implant Surgery* — Drs. **Howard M. Chasolen** and **Craig Misch**, Sarasota, FL; and
- *Implants – The Truth: The Orofacial Complex 2000 A.D.* — Drs. **Richard**

R. Cavanaugh, Doylestown, PA, and **Edwin S. Rosenberg**, Philadelphia, PA.

"The Audience will have ample opportunity to suggest treatment options after

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New Moscone West Convention Center will use more than a mile of movable walls to configure 200,000square feet of AO function space.

Dr. Joseph Gian-Grasso 'amazed' at osseointegration's impact on periodontal treatment overall, his practice in particular

Thanks to rapid advances in the field of osseointegration, Dr. **Joseph E. Gian-Grasso** is able to incorporate new, more effective treatment methods for his periodontal patients since beginning his career in the mid 1970s.

"I always tell people that if I treated my patients today as I did back in '75, it would constitute malpractice," the Academy's 2004 Annual Meeting Program Chair says with a chuckle.

"That's how far we've come. The science of osseointegration is constantly evolving, allowing us to treat extremely advanced and terminal periodontal disease in ways unimagined 30 years ago. It never ceases to amaze me how we are offering patients better, more predictable treatment and a chance for a better life."

By the early 1980s, as osseointegration was making its debut in North America, Dr. Gian-Grasso had established his periodontal practice. He had graduated from the University of Pennsylvania School of Dental Medicine (1971), earned his graduate certificate in Periodontology from Boston University School of Graduate Dentistry (1973), served two years in the United States Navy (1973-'75), and was on staff at the University of Pennsylvania School of Dental Medicine, the Medical College of Pennsylvania, and Graduate Hospital, all in Philadelphia.

"Word was spreading in 1983 about a meeting taking place in Toronto entitled 'Osseointegration in Clinical Dentistry,' which was designed to help dental professionals further understand the benefits of osseointegrated approaches to patient care," Dr. Gian-Grasso explains. "Although periodontists were not allowed to participate in the Bränemark method

at that time, we were very interested in its application to periodontal practice."

Saw implant dentistry's potential

Like many dental professionals, Dr. Gian-Grasso saw implant dentistry's potential for enhancing patient care. He placed his first implant in 1984 and was able to take Bränemark courses beginning in 1986. The very next year, Dr. Gian-Grasso attended the Academy



Up Close: Joseph E. Gian-Grasso, DMD

- **Education:** D.M.D, University of Pennsylvania School of Dental Medicine (1971); Certificate, Advanced Graduate Studies in Periodontology, Boston University School of Graduate Dentistry (1973);
- **AO Member Since:** 1987
- **Family:** Wife Janice, sons Brennan and Kevin
- **Hobbies:** Golf, skiing, hiking, reading

of Osseointegration's Annual Meeting in Chicago.

"Some colleagues of mine had attended AO's first meeting the year before and raved about the experience," Dr. Gian-Grasso says. "They got me excited about the possibilities for continuing osseointegration education and the opportunity to compare notes with dental profes-

sionals in different disciplines. I joined right away."

Dr. Gian-Grasso has served on many AO committees since first joining the organization. Currently, he is Program Committee Chair for the 2004 San Francisco Annual Meeting and Vice Chair of AO's Council on Research. He has lectured in Europe, Asia and South America, and is amazed at how osseointegration has become a worldwide phenomenon in such a short time.

High level of professionalism

"No matter what part of the world one visits, there is always someone to meet and compare notes with," Dr. Gian-Grasso says. "It's very rewarding to discuss ideas with colleagues from other continents. I've always been impressed by the high level of professionalism exhibited by the people I meet who have vital interests in osseointegration."

Now an AO Fellow, Dr. Gian-Grasso has watched the Academy grow into a worldwide organization. In the last 10 years alone, AO has grown from 742 members in 17 countries to over 5,000 dental professionals from 66 countries.

"I believe in the quality of AO programs and the importance of the organi-

zation's role in advancing developments in the field of osseointegration," he says. "Academy members are at the forefront of new breakthroughs that are leading to more effective treatments and better patient care," he adds.

According to Dr. Gian-Grasso, the future only looks brighter. He believes that Academy members will make

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A spirit of volunteerism is alive and well in the Academy

By Dr. David L. Guichet,
Newsletter Editor

Have you ever wanted to give back to dentistry? Have you had the opportunity to put your creative abilities to good



Dr. David L. Guichet

use in a group setting? The Academy not only appreciates the efforts of its many volunteer members but also encourages members who have not yet volunteered to participate and

get involved. The experience can be very gratifying and can offer volunteer members a sense of challenge and camaraderie while accomplishing meaningful purposes for the profession.

Participants in the Academy's committees work to accomplish the organization's activities and influence the direction of implant dentistry. With this in mind, the Academy's committee structure was completely redesigned in 2002 during the term of Past President Dr. **Dayn Boitet**.

This year's Annual Meeting also marks an important change for *Academy News*. It is with great pleasure and a bit of nos-

talgia that I am now passing the role of editor to an individual more capable than myself, Dr. **Michael Norton**. During my tenure as volunteer editor of *Academy News*, I have had the opportunity to see how the Academy's volunteer Board of Directors functions. This Board is composed of individuals who have accepted considerable responsibility to lead the Academy and to develop policy for direction in the future. Witnessing these processes over the past four years has been one of the most enjoyable aspects of the job for me. These individuals are very passionate about their roles. I can honestly say that the future of the Academy remains in capable hands, as always.

Following this year's Annual Meeting, President Dr. **Clarence Lindquist** will

pass the baton to President-Elect Dr. **Marjorie Jeffcoat**. During the past year as president, Dr. Lindquist has been instrumental in leading the Academy and refining its strategic plan. An incredible 37% of members responded to a survey designed with an independent consulting group, and their responses have provided valuable

information used to help develop the plan. Future Academy leaders will use the strategic plan to help accomplish their goals.

Next year, Dr. Jeffcoat, who is no stranger to leadership roles, will take the helm of the Academy. Currently, she is the editor in chief of the *Journal of the American Dental Association*, and she is also the Dean of the University of Pennsylvania School of Dental Medicine. Dr. Jeffcoat wrote in a recent editorial column about the need for volunteers in dentistry. She encourages dentists to get involved in organized dentistry and to give back to the profession that has offered so

“...the Academy's committees work to accomplish the organization's activities”

much opportunity.

At this year's Annual

Meeting, why not tap another Academy member on the shoulder and let him or her know that you are willing to get involved. Let Executive Director **Kevin Smith** know your name and ask what is involved in the volunteer process. E-mail Kevin at kevinsmith@osseo.org and join a committee. The Academy and profession will benefit from your efforts, but the biggest winner will be you.

Dr. Joseph Gian-Grasso

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tremendous strides in realizing greater predictability through understanding osseointegration on a genomic and proteomic basis.

“Scientific discovery is giving us a better understanding of sub-cellular activities, while further advances in tissue regeneration, for example, will facilitate implant placement, produce even higher success rates and treat a wider range of problems than we ever could imagine,” Dr. Gian-Grasso explains.

Final highlight of AO's 2004 Annual Meeting

...continued from page 5

panelists present their initial findings and relevant diagnostics. Afterward, the presenting clinician will discuss the actual case treatment and conclusion with attendees,” Dr. Gian-Grasso added.

According to Annual Meeting Chair Dr. **Richard K. Rounsavelle**, Torrance, CA, the meeting is drawing interest above and beyond projections.

“Early registration points to record-setting numbers, rivaling last year's joint meeting in Boston,” he said. “Lunch and Learn Sessions are selling out quickly.

Members are taking advantage of online registration, saving them time and providing immediate confirmation.”

The 2004 Annual Meeting features a record number of posters (124), 24 oral abstracts and 17 Corporate Forums, where members will discover the latest in craniofacial implant technology research and development through manufacturer-hosted educational sessions. The meeting also offers 20 Clinical Innovations presentations, showcasing the latest modalities and offering a glimpse of implant dentistry's future.

“Output”: The final step in digital diagnosis



Figure 1: Presurgical cast and virtual model of implant placement.



Figure 2: Extracted teeth and their virtual image.



Figure 3: Healing abutments, computer generated pattern and clinical casting.



Figure 4: Virtual design illustrating tooth position and access to implant.

ments and tissue can be used to design the definitive restoration. We can determine the exact position of each implant since we know the length of the abutments. We can create restorations with-

out removing healing abutments. This saves time and reduces the number of components and instruments needed in the restorative process.

It also expands the number of people who can provide implant treatment, since the design process is accomplished at a service center with specialists who understand the many complex problems associated with implant care. Once the design of the restoration has been determined, we can send

this information back to the clinician via the Internet with a free viewing program that allows evaluation of the design before its manufacture.

Digitally Manufactured Castings

We can make the actual pattern for the casting several ways, but all of the processes create patterns one layer at a time. Some machines use a laser to cure a photoactive polymer or project light onto a chip with thousands of miniature mirrors that reflect light. Some use inkjet technology to “print” wax as shown in Figure

3. Each system cuts the virtual computer model into slices and then creates the actual three-dimensional part by joining these multiple slices or layers together in an automated process. Once we have created the pattern, it can be invested and cast using conventional alloys and casting processes.

Using this type of system can solve many problems. Since the position of the implants, teeth, soft tissues and opposing occlusion can all be easily joined into a virtual model, the design process becomes much more scientific and precise. Problems can be detected early and corrected before any parts are bought or patterns made. Angulation problems (Figure 4) may require more than one pattern. The virtual design will indicate the ideal position for each specific tooth and its relationship to the supporting implants and soft tissue. Many implant restorations are unique and require special design changes. Since the form of each tooth and the supporting castings have already been

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Dr. Stephen M. Schmitt received his DDS degree from the University of Minnesota and his MS degree from the University of Texas. He is the former Chairman of the Department of Prosthodontics and Program Director for the Graduate Prosthodontics Program at Wilford Hall USAF Medical Center. He is a diplomat of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontics and the International College of Prosthodontics. He has a private practice in San Antonio.

References:

- “An Integrated Approach for Utilization of Emerging Technologies in Medicine and Dentistry,” *The Sixth International Conference of Rapid Prototyping*, June 4-7, 1995, Dayton, Ohio.
- “Changing Peoples’ Lives with Rapid Prototyping and Manufacturing,” *The 3rd Annual Eugene C. Gwaltney Manufacturing Symposium* presented and published at the Georgia Institute of Technology, October 1, 1996.
- “Digitally Designed Denture Attachments,” in *Collaborative Techniques*, Volume 3, Number 2, Summer 2003.

and treatment ...continued from page 1



Figure 5. Computer generated pattern and primary gold casting.



Figure 6. Secondary pressed-to-metal casting and primary gold casting.

created, it is possible to generate the primary casting attached to implants or abutments and the secondary casting can be cemented to it (Figure 5).

In addition, we can also create the form of the ceramic from the computer model using pressed to metal technology. This dramatically reduces the amount of time a technician needs to spend on the ceramic build-up, since the form of the pressed ceramic has already been created

as a “library” of virtual parts designed to fit any of the many implants and abutments. If a casting failure occurs, it is a simple process to “print” a new pattern without labor costs. Since the final design of a specific restoration is a three-dimensional computer model, we can easily determine the cross-sectional area, volume, length of cantilevers and use finite element analysis—all before the restoration has been made.

from the computer model. The technician needs only to add the veneering porcelain to characterize the restoration (Figures 6, 7 and 8).

Cost Saving Process

Digitally designed implant restorations also help reduce the cost of providing implant care. The cost of individual implant components is dramatically reduced or eliminated, because most of the components are saved in the computer

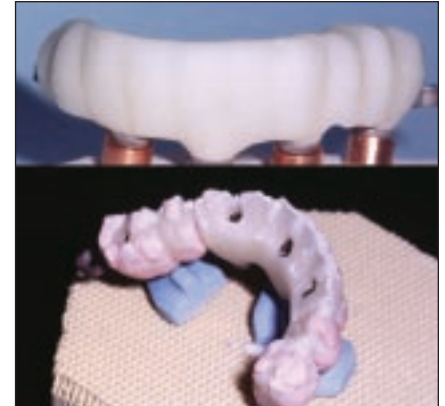


Figure 7. Pressed ceramic and characterization.



Figure 8. Final restoration.

Illustrated Academy history ready for publication; traces growth from 1982 to 2003 Boston Meeting

A history of the Academy, illustrated with photos and other graphics that help to preserve the excitement of the arrival of the technology behind osseointegration, is now ready for publication.

Dr. **Akshay Kumar**, Hackensack, NJ, head of an AO history committee, compiled and wrote the history, drawing on the Academy’s archives, interviews with original members and founders, and information provided by others in response to articles in Academy News.

The history traces the Academy’s growth from 1982, when Dr. **Per Ingvar Brånemark** and his Swedish colleagues described the concept of osseointegration to a North American audience at Toronto, Ontario, Canada, to last year’s Boston Annual Meeting, the first co-sponsored by the American Association

of Oral and Maxillofacial Surgeons (AAOMS), the American Academy of Periodontology (AAP), and the American College of Prosthodontists (ACP).

“The Academy has grown as the field of dental implants has risen to great heights,” said Dr. Kumar. “The efforts and accomplishments of the original members and founders need to be recognized.”

Other members of the history committee are Drs. **Charles L. Berman**, New York, NY, **Jorge E. Barrios**, New York, NY, and **Stephen J. Chermol**, West Chester, PA.

The Academy’s Board will consider publication of the history at its meeting in San Francisco.

Academy prosthodontist becomes only dentist to complete marathons in all 50 states, DC

An Academy member has gained the rare distinction of being the only dentist to run marathons in all 50 states and the District of Columbia.

Dr. **Arthur R. Stanger**, a prosthodontist from Boca Raton, FL, started his quest

by completing the 1988 New York City marathon in 4 hours, 22 minutes, and 44 seconds. "I'm not a speedster by any means," he says. Last fall, 15 years later, he reached his goal by successfully completing back-to-back marathons in Baltimore (3:55) and Wichita, KS (4:40). He ran 14 weekend double-headers, including four marathons in nine days twice over the past two years.

He wears "YELL GO ART" on his racing singlet to encourage crowds to cheer and help him through the 26.2-mile races. Known as Marathon Man, he has run at least one marathon a month since 1997. He has finished



Dr. Arthur R. Stanger returned to Pike's Peak last summer and completed the grueling mountain marathon in 8 hours, 56 minutes, celebrating at the 14,110 summit.

126 marathons over 15 years. His best time is 3:31 in 1996.

The high and low points on Dr. Stanger's journey to distinction came in the same marathon, the grueling Pike's Peak Marathon in Colorado.

He was attempting his 100th marathon when he was stricken with altitude sickness just a mile and a half from the summit and forced to stop.

"It was the first time in 100 marathons I had to quit," Dr. Stanger says. "I was determined not to let that mountain defeat me." He returned the

next year 20 pounds lighter and made it to the top of the summit in five hours, rested for 15 minutes, had a hamburger and lemonade and made it back down well under the 10-hour time limit. Next, Dr. Stanger says he would like to complete a marathon on all seven continents.

At press time, Dr. Stanger had completed 131 marathons in the U.S. and had also run marathons in Paris and Bordeaux, France, Stockholm, Sweden, Helsinki, Finland, and Hat-Yai, Thailand.

Academy member elected President of Association of Prosthodontists of Canada

Dr. **Izchak Barzilay**, Toronto, ON, Canada, a Fellow of the Academy and a member since 1988, was recently elected



Dr. Izchak Barzilay

President of the Association of Prosthodontists of Canada.

Dr. Barzilay received his DDS degree from the University of Toronto in 1983, a Certificate in Prosthodontics

from Eastman Dental Center in Rochester, NY, in 1986, and an MS from the University of Rochester in 1991. He is currently Head of the Division of Prosthodontics and Restorative Dentistry, Mt. Sinai Hospital, Toronto, Assistant Professor at the University of Toronto, and maintains a private practice limited to prosthodontics and implant dentistry.

His honors include the Essay Award from the American College of Prosthodontics, a Best Paper citation from the *International Journal of Oral and Maxillofacial Implants (IJOMI)*, and the A.B. Hord Master Teacher Award 2001 from the University of Toronto.

AO offers patient information brochures

The Academy of Osseointegration offers members an assortment of patient education publications at discount prices. They include:

- *Dental Implants: The Modern Solution to an Old Problem* – a non-system-specific, pre-treatment brochure designed to provide patients with an overview of implants, placement and benefits.
- *In-Treatment Patient Education Handbooks/Informed Consent Augmentation* – designed to answer the most frequently asked questions and augment the informed consent process. Important points are emphasized in summaries at the end of each chapter.

- *Home Care for Dental Implants: Protecting Your Investment* – the only comprehensive post-treatment implant hygiene handbook designed for patients.

To place an order, call the Academy of Osseointegration at 630/627-4475 or log onto the Academy's Website, www.osseo.org.



Details final on definitive symposium; Techniques in Modern Implant Dentistry

Completion of final details of the two-day Dental Implant Laboratory Technician Program—held March 19-20 during the AO Annual Meeting—assures the most definitive symposium for learning state-of-the-art techniques in modern implant dentistry.

Co-chairs **Morty Ingber**, CDT, Bethesda, MD, and **David Prestipino**, CDT, Alexandria, VA, broke down “implant prosthetics” into modules and arranged them in sequential order from the most basic to the most advanced, then found the experts who can best teach each technique.

The program gained the sponsorship of **3i, Implant Innovations, Inc.**

Speakers and topics (in order of presentation) include:

- **George F. Priest, Jr.**, DMD, Atlanta, GA, *Diagnostic Collaboration Between*

the Dentist and Technologist for Optimal Implant Outcomes.



Dr. Vincent Devaud



Dr. Robert Faulkner

- **Vincent Devaud**, CFC, MDC, Pasadena, CA, *Get in Control of Your Cases.*
- **Naoki Aiba**, CDT, Bellwood, IL, *Achieving Natural Esthetics in Implant Supported Ceramic Restorations.*
- **Ernst A. Hegenbarth**, MDT, Bruchnoble, Germany, *Ceramic*

Abutments and All Ceramic Restorations: How, Why, When and the Discussion of Various Systems and Materials.

- **Luc Rutten and Patrick Rutten**, Tessenderlo, Belgium, *The Inspiration of Implant Esthetics.*
- **Robert F. Faulkner**, DDS, Cincinnati, OH, *Removable Implant Prosthetics: Diagnosis, Treatment Planning and Prosthesis Fabrication.*
- **R. Max Schulze**, MDT, CDT, West Orange, NJ, *The Business of Implants: Marketing, Pricing and Outsourcing for the Dental Laboratory.*

“The Laboratory Technician Program Committee designed the program to teach technicians and clinicians how to achieve beautiful results in implant dentistry,” say Co-Chairs Ingber and Prestipino.

A Welcome Message from the new Editor of *Academy News*

By Dr. Michael R. Norton

Welcome to Volume 15 and the first issue of *Academy News* for 2004. It is with a considerable sense of honour and delight that I have been asked to accept the baton from Dr. **David Guichet** to become the first English editor of *Academy News*.

I don't mind admitting that I was surprised by the Board's decision to select a Non-American from the ranks of the newsletter's Editorial Consultants to become the next editor. I believe it shows that while the AO remains at heart an American institution, it certainly recognizes and values its overseas membership, from which there is growing and loyal support.

First and foremost, I would like to take this opportunity to thank David for his unstinting effort while editor of *Academy News*. David brought a renewed structure and a determination to make *Academy News* a timely, readable publication with clear aims and objectives that would provide features and articles of

interest and value to the membership. We wish him well in his future projects, acknowledge his important contribution to this edition, and look forward to his continued contribution to *Academy News*.



For my part, I would like to see a continuation of the valued contributions we have received from so many members by way of feature

Michael R. Norton, an editorial board member of *Academy News* the past three years, becomes Editor with the next issue. He is past president of the British Association of Dental Implantology (UK) and is registered with the General Dental Council of Great Britain as a specialist in Surgical Dentistry.

articles. I want to begin by encouraging members to send us features on interesting techniques, cases, or applications of technology which, while perhaps not suited for publication in a refereed professional journal like *IJOMI*, will provide significant anecdotal value to our members.

I encourage my overseas colleagues to let us know what's happening in your

countries. We would like to know about newsmaking meetings in the field of implant dentistry in every corner of the globe. I invite you to use the model established in the "News from Across the Pond" series to keep your American colleagues abreast of what are current theory and practice in your part of the world.

The AO is an international organization, and we would like members everywhere to think of *Academy News* as a forum to express their views and communicate news. In this respect, I would remind all members to take part in the Member-Get-A-Member scheme established by the Membership Committee, for which you received a recent mailing. Together, we can make the Academy of Osseointegration the international association for implant dentistry.

Finally, I would like to say how much I am looking forward to working with my editorial consultants and all of those associated with *Academy News* to continue the sterling work already achieved to date.

A happy 2004 to all.

Academy News invites inquiries from members interested in serving as Editorial Consultants

Academy News invites the inquiries of AO members who believe they may be interested in serving on the Board of Editorial Consultants, who provide guidance to the editors and serve as editorial resources.

The Editor and Editorial Consultants make up AO's Newsletter Advisory Committee, serving staggered terms. They generally review newsletter copy, make recommendations on coverage, suggest editorial features, and contribute to production of a high quality publication.

Academy members interested in serving are invited to contact the new Editor of Academy News, Dr. **Michael R. Norton** by e-mail at drnorton@nortonimplants.com or Executive Director **Kevin P. Smith** at 800/656-7736 or kevinsmith@osseio.org.

View Annual Meeting Preliminary Program online

Visit the new AO Website at www.osseo.org to catch up on past editions of Academy News and get a glimpse of the upcoming scientific program for the Annual Meeting, March 18-20, in San Francisco. You can also view all of the abstracts for the San Francisco Annual Meeting: Oral Research, Clinical Innovations, and Poster Sessions. You can also download the forms for CERP or CME credit.

AO is striving to add value to the Website as a member benefit. Check the Committees section. It is set up for easy direct correspondence with chairs or committee members. A Bulletin Board in the "Members Only" section invites members to post questions and receive feedback from their colleagues.

Members can also use the Website to:

- Register for Annual Meeting online (click "roster" to "membership directory," then insert password "osseio")
- Book rooms at the San Francisco Hilton Hotel;
- Order patient education brochures.