Celebrating a Job Well Done and a Bright Future

A joyful glimpse of this year’s graduation.
Dear Colleagues,

As I finished reading this issue of Dentistry magazine before it went to press, I felt a sense of great pride about our school. The articles describe our accomplishments over these past several months. Some are reports about things we do every year which we acknowledge as “fulfilling our responsibility.” Others, though, are articles about steps we have taken to help lead the profession and shape the future of dental education. These are characterized as “unprecedented moves” and “landmark decisions.”

The magazine leads with a landmark decision story that has attracted the attention of state dental boards, dental licensing agencies, and dental schools across the country. It describes how our school worked with the Minnesota Board of Dentistry to be able to offer an examination for initial licensure for University of Minnesota graduates that does not involve live patients. It’s a must-read for anyone who’s followed what the ADA has been promulgating about the criteria for an ethically based licensure examination.

Two equally important stories follow. One is a brief introduction to the nine students in our inaugural class of dental therapy students. We plan to report on their progress and that of the program in subsequent issues. The other story is about our school serving as host to the 21st Annual Graduate Orthodontic Residency Program gathering. The supporting photo provides visual evidence of the magnitude of this special event (more than 380 participated).

Our first feature story is about the Summer Research Fellowship Program told through the eyes of students, faculty, and graduates. Their stories are testimonials to the impact this program has had on the lives of so many. The article also describes the disappearance of federal dollars used to support the program and the need to create a permanent fund so that future students will always have access to this career enriching opportunity. It’s my hope a careful read of this story might bring back a fond memory or inspire you to support the campaign.

You’ll also see that we’re launching a new tradition this issue in the form of an annual collection of graduation day memories, starting with photos of this year’s graduates from the dental hygiene and dental classes of 2009. What I found most impressive were the beaming smiles of joy and happiness on the faces of graduates and their families. The story serves as a nice transition into our second feature article, an interview with the president of the University of Minnesota School of Dentistry Alumni Society, Steve Litton. As only someone who has been connected with the school for nearly a half a century can, Steve sheds light on all that the society does for the school, its students, and our alumni. He also lets us know how important his involvement in the school has been to his personal and professional life—a great role model for us all.

School News follows with a remarkable story of our Professor of the Year awardee, Maria Pintado, who arrived in Minneapolis, was educated at the School of Dentistry, and then influenced the lives of thousands. This section closes with another new tradition for the magazine, a listing of recent publications by students, staff, and faculty. Notice in particular, the breadth of topics, journals, and textbooks, as well as the level of collaboration among different disciplines. Impressive!

As always, Alumni News keeps us informed about colleagues we have lost and those who’ve received professional recognition and awards. Please remember to share your own news of milestones and accomplishments. Reading news about classmates and colleagues is what helps keep us all connected and shows a level of respect that is in keeping with the ethos of our profession.

Finally, this issue of Dentistry concludes with a catalogue of upcoming events. Note the receptions we’re holding at different locations and times of the year so that nearly everyone has a chance to get together, learn about what’s new at the school, meet faculty and staff, and share with us your special stories.

I hope your reading of this issue of Dentistry magazine leaves you as it left me, with a sense of great pride in knowing that our school, its students, staff, faculty, and alumni continue to give of self so that others may benefit from their hard work and efforts.

All the very best,

Patrick M. Lloyd
Dean
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PHOTO BY ERINA PEARSON

University of Minnesota
School of Dentistry
Driven to Discover™

The University’s mission, carried out on multiple campuses and throughout the state, is threefold: research and discovery, teaching and learning, and outreach and public service.

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For more information about the School of Dentistry and its programs, refer to the Web site at www.dentistry.umn.edu.

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News Bites

U-M to Offer Non Patient-based Licensure Exam for Senior Dental Students

The University of Minnesota School of Dentistry will offer the National Dental Examining Board (NDEB) of Canada’s two-part licensure exam to senior dental students in March, 2010. The decision to offer the exam was in response to the Minnesota Board of Dentistry’s unanimous vote on June 26 to approve the Canadian exam for testing the competence of U-M graduates applying for initial licensure to practice dentistry in the state.

The decision positions Minnesota as the first in the U.S. to move beyond reliance on examinations that require applicants for licensure to perform procedures on live patients.

A Landmark Decision

Traditionally, U.S. states have relied on patient-based licensure examinations that require a demonstration of clinical skills. In Minnesota, candidates for licensure have taken the American Dental Licensure Exam (ADL EX) administered by the Central Regional Testing Service (CRDTS).

Yet, patient-based exams have long been criticized. Detractors question the validity of the exam used to assess candidate abilities and express ethical concerns about the use of live patients. These concerns include, but are not limited to, the potential for premature treatment, deferred until the date of examination, treatments rendered out of sequence, patients being compensated for participation beyond their expenses associated with the exam, patients cared for by a provider who is not the provider of record, and follow-up care that will not be available from the provider of record.

According to Patrick Lloyd, dean of the University of Minnesota School of Dentistry, “The non patient-based NDEB examination effectively tests the decision-making ability of dental school graduates in a manner that avoids these conflicts and is consistent with the ethical principles of the American Dental Association and the profession.”

The opportunity to consider a change in the traditional approach to licensure came in November 2009, when CRDTS announced its intention to withdraw from the ADLEX exam. In need of an alternative testing strategy to evaluate candidates, the Minnesota Board of Dentistry established a task force to review all licensure exams, including the Canadian licensure exam.

In June, officers of the NDEB of Canada visited Minnesota to demonstrate the exam for task force members and dental school faculty.

The Exam

The validity of the NDEB examination to evaluate candidate qualifications for dental practice is well documented.

The two-part Canadian exam includes a written examination that tests the application of basic science to clinical practice knowledge and an Objective Structured Clinical Examination (OSCE) that assesses diagnostic and clinical decision-making skills.

The written exam is a 300-question, single-correct answer examination administered in two, 150-minute sessions on one day. Exam questions are selected by practicing dentists from a standardized set of some 6,000 questions that are developed by dental school faculty.

The OSCE section is a case-based examination, with 27-30 different stations where applicants review patient information and render a diagnosis or recommend a particular course of treatment. The exam is administered over the course of a morning and afternoon session on
the same day. Specific details such as case histories, radiographs, photographs, casts and models are provided. At each station, two questions are posed. Questions may have up to 15 answer options, and one or more correct answers. Any incorrect answer earns a zero for the entire question. A few stations require candidates to review the information provided and write an acceptable prescription.

**Opening the Doors**

As part of its review, task force members visited the School of Dentistry. “We provided access to all processes the school has developed to ensure that a quality group of students is admitted, an up-to-date and validated education is offered, and that systems are in place to assess competency and to promote and graduate students prepared to enter dental practice,” says Associate Dean for Academic Affairs Judith Buchanan. The open door policy will be on-going.

“Board members will always know what we teach and how we evaluate and advance our students,” she says. “They will have insights into the inner workings of the dental school and the knowledge that candidates applying for licensure are clinically competent, having been critically evaluated on an ongoing basis throughout their four years of dental education.”

The Board of Dentistry’s decision to accept the Canadian licensure exam as a condition for initial licensure to practice dentistry in Minnesota is an arrangement exclusive to University of Minnesota graduates.

“This was a landmark decision and one that is in the best interest of the public,” says Lloyd. “We’ve had calls from dental schools and professional organizations around the country congratulating Minnesota. The Minnesota Board of Dentistry broke new ground and set the standard for how others will consider licensure decisions in the future.”

**Meet the Class**

The School of Dentistry welcomed its inaugural class of nine dental therapy students on August 17 at a multi-day orientation program that included joint sessions with the incoming class of 98 first-year dental students.

The class includes four dental assistants, one dental hygienist, a dental lab technician with a bachelor’s degree in biology, two new college graduates with bachelor’s degrees in biology, and an elementary school instructor and former biotech junior scientist at the University. Eight students are enrolled in the master’s degree program and one is enrolled in the bachelor’s degree program. The overall GPA of accepted students is 3.37 and the GPA in prerequisite science courses is 3.41. Eight students are Minnesota residents.

In 2008, Minnesota lawmakers passed legislation authorizing the licensure of a midlevel dental professional (no sooner than 2011). In September, the University will become the first dental school in the nation to educate this new member of the dental team who will care for underserved patients in the state. The first class of dental therapists will graduate in December 2011.

Graduates of the baccalaureate and master’s programs will be eligible to sit for the same state-approved licensure exam and will be licensed to perform the same procedures. Students enrolled in the master’s degree program will receive additional education and experience in leadership, public health and education.

More than 380 orthodontic residents from across the U.S. and Canada gathered at the University of Minnesota to attend the 21st annual Graduate Orthodontic Residents Program, July 31–August 2, 2009. The three-day program featured learning and networking opportunities for orthodontic dental residents.
As an undergraduate, Shivan Nelson spent a semester working in an AIDS orphanage and hospice in Port Elizabeth, South Africa. When she arrived at the University of Minnesota as a first-year dental student, she attended the School of Dentistry Dean’s Day, an annual event for staff, faculty, students and community members that showcases both student and faculty research. There, she saw a student presentation on an investigation into the relationship between oralcandidiasis (also known as thrush) and HIV/AIDS and cancer. That opened her eyes to the possibilities of research, particularly if she could combine her interest in both oral health and AIDS.

The following summer, she did just that as a participant in the 10-week Summer Research Fellowship Program with the mentorship of Professor of Diagnostic and Biological Sciences Mark Herzberg. The School of Dentistry offers summer research fellowships to incoming- and second-year dental students and dental hygiene students. “My project dealt with whether the HIV virus makes it easier for Candida (the fungus that causes oral thrush) to invade and infect the cells that line the oral cavity,” she explains. “I took a type of cell that lines the oral cavity and exposed half of them to HIV. I then exposed all the cells to the Candida fungus and counted how many fungi were able to penetrate the ‘normal’ cells versus the number of fungi able to penetrate cells exposed to HIV. Our data suggests that cell membranes of cells exposed to HIV are more easily penetrated by the Candida fungus than those not exposed.”

She later presented her findings, the “Effects of HIV-1 on TERT-2 Cell Resistance to Invasion by Candida albicans,” at the Dean’s Day Research Program. For her work, she won the Crawford Award, a prize given to the student who achieves the highest score in the annual research paper competition. According to Assistant Dean for Research Joel Rudney, “The school gives the award in honor of former Dean William Crawford who was a strong supporter of research. It consists of $100 and funding for a trip to present at the American Association for Dental Research meeting for the following year.”

Feeling the Pinch

Nelson is one of more than 450 pre-dent, dental and dental hygiene students who have participated in the dental school’s Summer Research Fellowship Program since its inception in 1966. More than 170 faculty researchers have served as their mentors in dental and craniofacial research. The program accepts 16 to 20 students each year and pays them a stipend, which allows for time to conduct original research without the need to work a summer job. Students may also receive funding for travel to meetings such as the Midwest Dental Student Research Conference and/or the International Association for Dental Research where they present their findings in the form of a paper or poster. For Nelson, sharing her research was the best part. “It was exciting to discuss my project with dental students and faculty...”

“...that cell membranes of cells exposed to HIV are more easily penetrated by the Candida fungus than those not exposed.”

— JOEL RUDNEY
from throughout the U.S. People asked questions and made suggestions about how to pursue the next phases of my research.”

The School of Dentistry wants to guarantee that Nelson and other students continue to have the opportunities that the Summer Research Fellowship Program provides, but the program is in jeopardy. Until the last several years, financial support came from federal research funding via the National Institutes of Health. Recently, though, that federal research support has been directed to a higher level of education. Although the dental school has continued the program with its internal operating funds, the recent economic downturn and the subsequent reduction in state and federal funds that flow to the University and the dental school place greater demands on limited resources. Now, balancing a budget means evaluating needs and moving creatively and strategically to guarantee that the school’s mission is met.

“I’m a firm believer that students need to have opportunities during their education to learn how we discover new things,” says School of Dentistry Dean Patrick Lloyd. “Students who participate in our summer research program appreciate and learn the methods that scientists use to make discoveries. They learn how information is culled and developed, how to evaluate research and create new knowledge and information.”

In spring 2009, the School of Dentistry launched the Student Summer Research Campaign. The goal: to create a permanent source of funding that will guarantee continued program support. Eventually, the school hopes to provide funds to support up to 17 summer researchers.

Broadening Scope

Since the 1960s, knowledge about dental procedures, techniques and materials has boomed. The range of student research topics has kept pace with the changes, according to Rudney, who serves as director of the program. Students conduct investigations in both basic science and clinical research. They work with medical school as well as dental school faculty, and now delve into public health issues using, in one example, data from a group of private dental clinics. Summer 2009 projects include everything from neuroscience-related studies to research in the areas of bone biology, dental implants, salivary function, oral-facial pain, dental imaging and craniofacial development, and the relationship between oral disease and overall health and wellness. (See page 6.)

In addition to exceptional research opportunities, program participants also learn about scientific writing, responsible conduct of research, and experimental design and analysis. Rudney is also fostering greater camaraderie and interaction among summer research fellows. He has organized informal “chalk talks” that allow students to discuss their projects with one another and gain an appreciation for the broad range of investigations at the school.
When Summer’s Over

The benefits of the research experience extend well beyond the laboratory because summer researchers develop lasting relationships with faculty and the school itself. “I got more out of my education because of the Summer Research Fellowship Program,” says Robert Breitbach (’91), who now practices general dentistry in Coon Rapids. He says his relationship with his research mentor Paul Olin has lasted to this day. “He’s been a major influence on my career,” he says. “We traveled together, became good friends, and worked on cases together. When I was first starting in practice, if I had a particularly tough case (especially doing implants) I came down to the school and he helped me think it through. Aside from my dad, who I practiced with, Paul is by far the biggest mentor in my career, no question.”

He continues, “I didn’t become a researcher, but I’m a better clinician because of my research experience.” He maintains that his research was practical, clinically oriented, and has served him long after graduation. “I wasn’t counting ‘bugs.’ In the first year we studied the sterilization of impression materials, which was a hot button issue at that time, and later I did research on veneers, with a stress and strain gauge, which was really interesting. I use this knowledge daily. I think about it all the time.”

This first taste of research leaves many students wanting more and may lead them to an academic or research career. Or, the research experience may make them stellar candidates for graduate-level specialty programs. Fourth-year dental student Heather Horton says, “I’ve learned how to write a research paper, do a lit review, and how to sift through research and determine what is powerful research and what is not. As a result of the program, I want to do research in addition to my clinical career after graduation.”

I’m a firm believer that students need to have opportunities during their education to learn how we discover new things”
— Dean Patrick Lloyd

“For those who eventually stick with general dentistry,” says Rudney, “the research experience brings benefits including the adventure of discovering new knowledge, and solid grounding as evidence-based practitioners, which ultimately benefits patients. It would be a real loss if we can’t offer this program.”

Beyond the Dental Office

Like Rudney’s young researchers, School of Dentistry Professor Bryan Michalowicz, a periodontist who holds the Erwin Schaffer Chair in Periodontal Research, got his first taste of research as a dental student at Case Western Reserve in Ohio.

2009 Summer Research Projects

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He now studies the effects of periodontal therapy on infant neurodevelopment, as well as the relationship between periodontitis and glycemic control in Type II diabetics. His passion for research and his belief in the fundamental importance of scientific inquiry made him a natural chairman for the Student Summer Research Campaign. He says, “The ability to do research is one of the many diverse opportunities available to our students—such as learning on advanced simulation technology and treating patients in the school’s outreach programs, for example—that make our school attractive to top students. It’s also an experience unique to being educated in an institution whose mission includes discovery and in an academic health center with extensive interdisciplinary opportunities to work with stellar scientists.”

He says, “We must commit to funding research in order for healthcare providers to continually find better ways to diagnose and prevent dental disease and reduce the burden of disease on the population.”

His colleague, Professor Jim Swift, director of the Division of Oral and Maxillofacial Surgery, couldn’t agree more. Swift, who is past president of the American Dental Education Association, says, “Conducting research is expensive, yet it allows scientists to discover what is best for the patients we treat. Think of what we’ve learned from research. We can replace lost teeth with dental implants, enhance health and wellness through good oral health, screen for the early detection and treatment of oral tumors and cancer, provide treatment options for arthritic-like diseases of the jaw joint, and effectively manage pain associated with dental disease and dental surgery. Without dental research, these advances may not have been discovered.”

Michalowicz adds, “At the School of Dentistry we’re not just preparing students to hang up a shingle. We expect much more. We’re training the next generation of dental practitioners and the Summer Research Fellowship Program is one way we offer them a broader understanding of dentistry and its components. It contributes to and meets the expectations of a great research university…and our expectations for the profession.”

Here’s How to Contribute

The School of Dentistry believes so strongly in student research that support for the program has become one of the school’s top fundraising priorities. The goal is to create a $600,000 permanent fund that will support the Summer Research Fellowship Program.

For those who would like to leave a legacy and show their support of student research for decades to come, there are opportunities to name stipends and awards. This is an extraordinary way to honor a colleague, faculty member, or loved one.

Naming opportunities include:

- $100,000 to name a stipend
- $25,000 to fund a partial stipend
- $25,000 to name a travel award

Most important, a gift in these amounts makes a significant impact on the campaign. Don’t forget that employers’ matching gifts may be used to meet the minimum, gifts may be paid over five years, and several individuals may work together to make a gift and be eligible for naming opportunities.

For more information, contact:

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(L to R): School of Dentistry virology researcher Paul Jardine and Tyler Peterson ('09).
Celebrating a Job Well Done and a Bright Future

On May 10, more than 1,000 students, family members, friends and alumni joined some 100 School of Dentistry faculty members at the 2009 School of Dentistry Commencement Ceremony. Held in Northrop Auditorium, this was the 120th year the school has gathered to recognize the achievements of our graduates and welcome them to their remarkable futures.

The ceremony included remarks from Lorelle Eng (dental hygiene class of 2009) and Ben Hoelscher (doctor of dental surgery class of 2009) who reflected on their time as students and shared their thoughts on their future. Howard L. Bailit, professor emeritus at the University of
Connecticut and former senior vice president for medical policy and programs at Aetna Health Plans, added a memorable moment to the day with his commencement address about addressing disparities in access to health care. A total of 137 graduates from dental hygiene, doctor of dental surgery, and advanced dentistry programs participated in the ceremony.

Senior banquets were also held to present awards to graduating students and wish them well as they pursue their careers. Doctor of dental surgery graduates celebrated with their families and friends on Wednesday, May 14 at Nicollet Island Pavilion. Graduates of the Program in Dental Hygiene celebrated their achievements in July at the Minnesota Boat Club. ☀
University of Minnesota
School of Dentistry Alumni Society

Setting the standard in University spirit, professional pride and community service.

The School of Dentistry Alumni Society (SODAS) is recognized as a campus leader. One of the top two collegiate alumni groups in the percentage of graduates who are members, it also ranks first among the University’s alumni societies in the percentage of members who are life members. In October, the University will award SODAS President Stephen Litton (’67) the 2009 Alumni Service Award in recognition of his outstanding service to the University of Minnesota and its School of Dentistry.

Dentistry magazine talked with Litton about his University experience, about the activities of the School of Dentistry Alumni Society, and about why he believes it’s important to stay connected to the University and to the School of Dentistry.

Dentistry Magazine: Tell us about yourself and your involvement with the School of Dentistry and the alumni society.

SODAS President Stephen Litton: I first started at the University of Minnesota as an undergraduate in the fall of 1960, not certain of my future direction. One of my best friends always wanted to be a dentist, so I chose pre-dent as my major. Great choice! During the course of my dental education, I was fortunate to receive Summer Research Fellowships—once with Bob Gorlin and twice with Bob Isaacson. They truly changed my direction in dental education. I graduated in 1967, finished my orthodontic training in 1970, and completed my Ph.D. in anatomy in 1972. As I interviewed at dental schools around the country for a faculty position, I decided that Minnesota was looking pretty good so I stayed here as a part-time practitioner and taught part-time at the dental school. By the mid 1980s, I decided to retire from teaching and I got involved in organized dentistry and orthodontics. I also started becoming involved with a number of interesting projects at the dental school, and that’s led to so many different volunteer opportunities in the school and the entire University.

DM: That would make this your 49th year of being connected to the University of Minnesota. You must have seen a lot of changes.

SL: Yes, I have. The physical structure of the entire University has expanded greatly, but thankfully, so much of what is here now still has a connection to the U’s history. There have been a lot of changes at the dental school, too, including the move from Ovre Hall to Moos Health Sciences Tower, and now the dramatic modernization occurring in the dental clinics, both preclinical and clinical. The dental school definitely is on the leading edge. It makes me feel good that my dental school not only has remained viable but also is setting the standard for dental education. It makes my investment in my dental education all the more valuable.
DM: What are some of the highlights of your University involvement?

SL: I’ve always said that if you’re going to be involved with an institution for a long time, it has to be a great relationship for both the organization and the volunteer. And that’s the way it’s been for me. One of the major highlights was when I was asked to represent the School of Dentistry on the University of Minnesota Alumni Association (UMAA) National Board. That was in 2001 and I’d say it turned out to be one of the better things to which I have said “yes.” The experiences I had and the people I met were outstanding, and it gave me the opportunity to showcase the dental school at the time of its exciting expansion. As the UMAA representative, I attended School of Dentistry Alumni Society (SODAS) meetings and saw the workings of that board from a slightly different perspective. When my six-year term on the UMAA National Board was up, it was just a natural progression to continue my volunteerism by serving the school as a SODAS board member. This has given me the opportunity to do things I never thought I would do—I even got to be Goldy Gopher, the U’s mascot!

DM: Can you talk a little about SODAS? What is it, who is a member, and what’s the relationship with the UMAAA?

SL: Every person who graduated from the School of Dentistry, be it in dentistry, dental hygiene, dental assisting,* or any of the specialty or advanced education programs, is an alumnus of the dental school. And every alum receives Dentistry magazine.

But the School of Dentistry Alumni Society is a membership organization that you join. Each college or school is represented by an alumni society, as are other formalized groups such as the Band Alumni Society. All of these organizations are under the umbrella of the University of Minnesota Alumni Association which is housed in the McNamara Alumni Center and has chapters throughout the state, the nation and even the world. If you are a member of the School of Dentistry Alumni Society, you are automatically a member of the University of Minnesota Alumni Association.

DM: What does SODAS do for the school and students?

SL: Our goal is to promote lifelong relationships between alumni, the School of Dentistry, and the University. So, for example, we bring students, faculty, alumni and friends of the dental school together each year at our annual golf tournament. And we co-sponsor Clinical Grand Rounds, which is an annual series of continuing education courses devoted to diagnosis and treatment planning of complex cases. The courses are held on campus and broadcast to locations in Duluth, Hibbing, Willmar, Rochester, and to Sioux Falls, South Dakota. Our sponsorship allows students to attend for free, and SODAS members attend at a discounted rate.

We also sponsor the Cap & Gown Fund that supports graduating dental and dental hygiene students by underwriting the rental of the caps and gowns they wear at commencement. And we underwrite the cost of producing the senior class yearbook. SODAS also has a significant presence at the Star of the North Meeting each April with a booth in the exhibit hall and the sponsorship and presentation of two distinguished alumni awards—one for a dental alum and one for a dental hygiene alum—at the Dean’s Recognition Reception.

In the last few years, we also started working more closely with students and have now co-sponsored two years of a leadership training event each spring. So, we’re involved in a lot of good projects and we look forward to doing even more.

DM: What would you like to accomplish in your year as president?

SL: All organizations benefit from self evaluation. We are looking at our activities and projects to see how we can better define the goals we have set for ourselves and what we’d like to achieve as an organization. In addition, I would like to improve communications with members and continue to increase our membership in all categories. I have a great board to work with and I’m so pleased that everyone has taken a role in making the SODAS the best that it can be.

DM: What is the School of Dentistry Alumni Society board and how do you become a member?

SL: The SODAS board is made up of 16 dental and dental hygiene alums who have an interest in the school and its future. There are also two student representatives, one each from the dental and dental hygiene programs. We meet three times a year as a board, and individual committees meet once or twice per year. We are always looking for alums who have an interest in serving the school. So, if anyone has an interest in becoming a board member, I’d encourage them to speak with any of the officers or the director of alumni relations.

* The last class of nine dental assisting students graduated in 1982.
DM: How does an alum stay connected with the School of Dentistry? And why is that important?
SL: One of the easiest ways is to stay informed by reading Dentistry magazine or visiting the school’s website at www.dentistry.umn.edu. There are also opportunities to teach part-time in the Twin Cities campus clinics or in outreach clinics in Hibbing and Willmar. Organizing or attending a class reunion is another way to stay connected...and there are alumni receptions held during the MDA and ADA meetings, at several state and specialty dental meetings, and in some of the “winter vacation” states. Alums can also attend CDE courses or volunteer to occasionally work with students on such activities as resume reviews or preparing for dental boards. And of course everyone can join the School of Dentistry Alumni Society so that we can continue to enhance and expand our support of activities that benefit both students and alumni.

Why do I think it’s important to stay connected? Those reasons probably will be different for each person. For me, it’s because I believe the University of Minnesota and the School of Dentistry are important. My education provided me the opportunity to have a personally and professionally rewarding career and life, and I will always be grateful for that. I also believe that a strong School of Dentistry enhances the value of my own degrees and the degrees of new and future graduates, and they’re the ones who will care for my patients when I retire. Finally, I believe that involvement—at whatever level—is an investment in the future of our profession. I know the school has had its ups and downs, but I look at where it has gone these last few years. It’s a more supportive environment for students than when I went to school. It’s positioned itself as a vital part of the Academic Health Center and the University which has translated into greater visibility and support for students in the form of everything from programs to facilities to faculty. And it’s been a vital resource to the professional community. It makes me very, very proud to be an alumnus of the School of Dentistry at the University of Minnesota.

DM: What is the one thing you’d like readers of this interview to know?
SL: It’s something I mentioned earlier. I’d like readers to understand that receiving Dentistry magazine doesn’t mean they’re a SODAS member. The magazine is mailed to all alums, but you need to “join” SODAS. I hope readers will choose to do that so that we can continue to do more good things for students and alums. The dues paid are nominal, and membership may be renewed every one or three years, but life membership is really the most cost-effective level of membership. I also hope readers will choose to stay informed about the news of the school, maybe volunteer or donate to a special project or a general initiative. It’s more than just a way to maintain the integrity of their own degrees. It’s also a way to give back to the school and University that provided them with the opportunity for a rewarding personal and professional life and to contribute to the future of our profession by supporting the next generation of our colleagues-in-training.

SODAS Initiatives Support the Student and Alumni Experience

SODAS sponsors or co-sponsors the following activities:

Cap and Gown Fund: A tradition since 1997, SODAS raises funds to welcome dental and dental hygiene graduates to the profession by underwriting the cost of the caps and gowns worn at their commencement ceremony. This fund also covers a portion of the costs associated with the senior yearbook for graduating students.

Clinical Grand Rounds: SODAS co-sponsorship underwrites no-cost attendance for students and a reduced registration fee for SODAS members to attend this series of continuing dental education courses devoted to the topic of diagnosis and treatment planning of complex cases. Courses are held the first Thursday of each month (September-April), 6:30-8:00 p.m. at the School of Dentistry, and webcast live to locations in Duluth, Rochester, Willmar and Hibbing, Minnesota, and to Sioux Falls, South Dakota.

Golf Classic: An annual event for scratch golfers and duffers alike. Now in its 15th year and open to the School of Dentistry community, this event brings together alumni, students, faculty and friends for a day of socializing and friendly competition, prizes and a barbecue lunch.

Recognition Awards: SODAS annually recognizes two distinguished alumni for their contributions to the profession and the communities it serves. All graduates are eligible and nominations are accepted from September through December. Awards are presented to one dental and one dental hygiene alumnus at the Dean’s Reception Celebrating Dentistry, held in conjunction with the Minnesota Dental Association’s Star of the North Meeting.

Scholarships: Each year, SODAS presents the Mellor R. Holland Achievement Award to one dental student and the Kathleen J. Newell Achievement Award to one dental hygiene student in recognition of outstanding leadership.

Senior Recognition Event: Held off-campus in the days leading up to graduation, this celebratory event is an awards ceremony and dinner for graduates and their families. More than 50 awards were presented in 2009 for scholarship and accomplishments of distinction, including awards sponsored by representatives of specialty and professional organizations, individual donors, and SODAS. This year, the event for dental graduates was held at the Nicollet Island Pavilion in May, and August dental hygiene graduates were celebrated at the historic Minnesota Boat Club.

Star of the North Meeting Booth: The SODAS booth on the exhibit floor at the Minnesota Dental Association’s annual Star of the North Meeting is always a busy place to meet friends and talk with volunteers and School of Dentistry faculty and staff about activities taking place at the dental school.

Student Leadership Program: This program was created to help class officers and volunteers develop skills needed to lead groups more effectively and to provide information that will sustain them as their leadership roles evolve in the future. Funding for the program comes, in part, from a donation by dental alumnus Dan Middaugh (’61) who supported programs to develop student leadership skills while on faculty at the University of Washington School of Dentistry.

White Coat Ceremony: A traditional rite of passage in many health care professions, this event recognizes students in their first year in the dental and dental hygiene programs. During the ceremony, students are given white lab coats, attire that symbolizes the trust and respect of patients in a clinical setting. The ceremony is intended to impress upon these future practitioners the significance of that trusting relationship and to celebrate their commitment to the goals of professionalism, ethical practice, scientific and technical expertise, and compassionate service to others.

Membership Information:
When you’re a member of the School of Dentistry Alumni Society, you’re an ambassador for all the important work of the School of Dentistry and the University. To become a member, visit www.dentistry.umn.edu/alumni/home or call Annie Pearson, 912-625-8184, pennn0008@umn.edu.
Maria R. Pintado, associate professor in the Department of Restorative Sciences, Division of Biomaterials, received the Century Club Professor of the Year Award before an audience of colleagues and alumni at the Dean’s Recognition Reception on April 24, 2009. The award is the School of Dentistry’s highest honor and is annually conferred upon one faculty member in recognition of outstanding contributions in education, research and service.

Born just 65 miles south of the equator in Latacunga, Ecuador, Pintado began her career as a dental assistant in a government dental clinic in Ecuador. She perfected her high-school English while working in California as a dental technician, and then found her way to the University of Minnesota. Here, she earned an associate of arts degree and a certificate in dental assisting in 1965, and a bachelor of science degree in dental assisting education in 1972. She was appointed an instructor in the University’s dental assisting program, a position she held until 1978. Recognizing her talents as an educator, the school offered her a position on the dental hygiene faculty in 1979.

In 1982, Bill Douglas “discovered Maria.” Then director of the school’s biomaterials program, Douglas says he recognized that Pintado “had what it takes to be a thinker, an originator and a scholar.” She was appointed assistant professor in the biomaterials program, earned a master’s degree in public health in 1986, and was promoted to associate professor in 1994.

As an educator, Pintado has taught courses as diverse as oral anatomy and occlusion, and biomaterials and expanded functions, infusing each learning experience with energy, enthusiasm and humor. The recipient of three faculty of the year awards, she is one of only a few faculty members to have taught students in all four education programs offered at the School of Dentistry, which include dental assisting, dental hygiene, doctor of dental surgery, and advanced education programs. Always supportive of students, in 2009 she established an endowed fund to provide an annual scholarship (based on need) to a dental student with an interest in public health or community dentistry.

Pintado also has assembled an impressive list of scholarly achievements that are not only inventive and novel, but worthy of significant funding by the NIH/National Institute of Dental and Craniofacial Research, 3M and SmithKline Beecham. She has published 37 articles in peer reviewed dental materials and related journals—15 as the principal author—and has contributed 94 dental abstracts at scientific meetings, 27 as the lead presenter. On her list of co-authors are faculty from the School of Dentistry and dental schools around the world, including those who studied in Minnesota, graduate students from nearly every graduate program in the school, and a long list of dental students.

Her research focuses consistently on form and function. She contributed to the creation of the world famous artificial mouth, which duplicates the intricate movement of a year of chewing in a single day and is used to develop and test the durability of dental materials. She developed a way to mimic and measure the forces people use to brush their teeth so that she could study tooth brush abrasion on tooth surfaces and on dental materials. Recently, she developed a digital environment for teaching oral anatomy to first-year dental students.

Finally, Pintado has helped shape and guide the future of the School of Dentistry. She has served as a member and leader of search and faculty and staff committees and welcomed legions of visitors to her lab for tours and demonstrations. With a generous capacity for friendship and infectious enthusiasm, she describes our biomaterials research program to visitors and distributes 3D glasses for her demonstration of the virtual dental patient. She’s been the prime supporter of the student initiative to establish a Spanish dental club and is always the first to volunteer to represent the school at high visibility technology events held both on campus and off.

As an educator, Pintado is inspired; as a researcher, she is driven. And as an advocate and supporter of the School of Dentistry, she is our greatest ambassador.
The University of Minnesota chapter of the American Student Dental Association (ASDA) continues to lead by example, both locally and nationally. In 2009, our Minnesota chapter was named “Ideal ASDA Chapter for Professionalism & Ethics,” was awarded “Best Website Content,” and was recognized with an honorable mention for “Ideal ASDA Chapter for Fundraising” and “Ideal ASDA Chapter for Organized Dentistry.” The awards were presented at the 2009 Annual Session, held in Louisville, Ky., March 25-28, 2009.

New hospital-based GPR clinic serves patients with special needs: The School of Dentistry co-hosted an open house on September 22 to introduce school and community professionals and friends to the new University of Minnesota Physicians (UMP) Dental Clinic. Open since July, 2009, the clinic provides comprehensive dental care for patients whose underlying medical condition adds complexity to the management of their dental care, including those with physical or cognitive illnesses and disabilities, and dental phobias and anxieties. Care is provided by five dental residents enrolled in the School of Dentistry’s General Practice Residency Program. Inpatient hospital dental services are available at the University of Minnesota Medical Center-Fairview and emergency services are available around the clock.

Created in affiliation with University of Minnesota Physicians, the UMP Dental Clinic is directed by School of Dentistry faculty member Brian Singletary. The clinic is the dental school’s first on-campus expansion outside of Moos Tower. The University of Minnesota Physicians Dental Clinic is located on the Riverside campus of the University of Minnesota Medical Center-Fairview. To refer a patient, call 612-659-8689.

Driven to Discover: A team of University researchers, which includes School of Dentistry scientists Don Simone and Sergey Khasabov (Diagnostic/Biological Sciences), has announced findings that shed light on the biological mystery of the “itch” sensation and why scratching brings relief. A study by principle investigator Glenn Giesler, Jr., (Medical School-Department of Neuroscience), which appears in the December 2009 journal Nature Neuroscience, found that scratching essentially “shuts off” nerve cells in the spinal cord.

The School of Dentistry will welcome pediatric dentist Robert S. Jones to our faculty in early October.

Jones completed his pediatric residency at the University of California, San Francisco, where he also taught pre-doctoral students part-time in the school’s pediatric dental clinic. His research areas of interest include the early detection and management of dental caries to improve childhood oral health. His long term research goals build on his doctoral work in early optical caries detection and his post-doctoral work studying virulence factors in cariogenic bacteria by utilizing infrared optical imaging to detect and quantify the progression of these early lesions. He is also a co-holder of a U.S. provisional patent on near-IR transillumination for the imaging of early dental caries.

People

David Bereiter (Diagnostic/Biological Sciences) received a five-year, $1.79 million grant from the Office of Women’s Health (NIH) and the National Institute of Dental and Craniofacial Research to study how estrogen levels and persistent psychological stress affect sensory signals relevant for TMJD pain. These studies will provide new information on the influence of estrogen status and psychological stress on the neurobiology of brainstem systems thought to be critical for TMJD pain.


Pamela Hughes (Developmental/Surgical Sciences-Oral and Maxillofacial Surgery) was selected as a member of the American Board of Oral and Maxillofacial Surgery Examination Committee. She was also appointed to the American Association of Oral and Maxillofacial Surgeons Committee on Resident Education and Training. The committee, composed of surgeons and academic surgeons, determines programs and policies for advanced education programs of oral and maxillofacial surgery in the U.S.

Brent Larson (Developmental/Surgical Sciences-Orthodontics) was elected to represent the Midwestern Society of Orthodontists (MSO) on the Board of Trustees of the American Association of Orthodontists (AAO).

Sheila Riggs (Primary Dental Care-Clinical Systems) was appointed Director of the Office of Healthcare Transformation for the University of Minnesota Academic Health Center.
We recognize our School of Dentistry colleagues for their contributions to the body of knowledge about our social and natural world. The following articles by faculty, staff, students and research fellows were published in scientific and professional journals between January-August, 2009. A reflection of the quality and extent of the basic, clinical, and social sciences research taking place at the School of Dentistry, these articles also document the extensive collaborations required to make scientific insights and discoveries possible. The names of University of Minnesota School of Dentistry authors are indicated in bold typeface.
Neuroscience


Division of Oral Pathology


**DEPARTMENT OF PRIMARY DENTAL CARE**

**Division of Community Oral Health Care**


**Division of Dental Hygiene**


**DEPARTMENT OF RESTORATIVE SCIENCES**

**Division of Biomaterials**


**Division of Endodontics**


**Division of Operative Dentistry**


**Division of Prosthodontics**


Class Notes

Please submit brief notices about milestone events and activities to: U of M School of Dentistry, Alumni Relations (attn: Annie Pearson), 515 Delaware St. S.E., 15-136 Moos Tower, Minneapolis, MN 55455 or penno008@umn.edu.

Dentistry is published two times a year. Deadlines for submission are: Spring issue: January 1; Fall issue: July 1. Please note: Dentistry cannot publish birth and marriage announcements.

1940

Thaxter Miller (D.D.S.), Fort Collins, Colo., died in March at the age of 92. Miller served as a captain in the Army Dental Corps during World War II. He practiced dentistry in Butterfield and Truman, Minn., and in Hartley and Lake Mills, Iowa, before moving to Iowa City where he was a faculty member at the University of Iowa College of Dentistry for over 30 years. He and his wife treated patients and taught in various overseas volunteer initiatives, spending time in such places as Portugal, Brazil, Thailand, Haiti, and Jamaica. They returned to New Ulm, Minn. in 1995. Miller was a member of the American Dental Association and the Iowa Dental Association, Omicron Kappa Upsilon, Psi Omega, and the Masonic Lodge, and was a Fellow in the International College of Dentists. He was also a member of the Lions Club, Grayhawks, and the University of Iowa Alumni.

1958

Reed Ellis Sanford (D.D.S.), Palm Springs, Calif., passed away in April at age 74 after a long battle with cancer. Sanford earned his B.S., D.D.S., and an orthodontic certificate from the University of Minnesota and practiced orthodontics in Crookston, Minn. before moving to Fargo, N.D. in 1960 where he practiced for 37 years. Reed was active in the North Dakota Dental Association, the American Dental Association, the North Dakota Society of Orthodontists, the Midwestern Society of Orthodontists (and its president in 1983), the American Association of Orthodontists, and the International College of Dentists. He was also a founding member of the North Dakota Dental Foundation and the North Dakota Dental Association Guest of Honor in 2007.

1971

Robert J. Feigal (D.D.S.), St. Paul, died in April at age 62 after an intense four-year encounter with lung cancer. In a career that spanned three decades, Feigal was, most recently, a professor and graduate program director of pediatric dentistry at the University of Minnesota School of Dentistry, and immediate past chair of the Department of Preventive Sciences. He was a three-time graduate of advanced education at the University of Minnesota, earning his D.D.S., a certificate in pediatric dentistry (1977) and a Ph.D. in oral biology (1979).

After graduation, he was a captain in the U.S. Air Force in Rome, New York, before returning to the University of Minnesota School of Dentistry where he taught for 15 years. In 1993, Feigal joined the faculty at the University of Michigan, serving as interim associate dean for academic affairs and associate dean for graduate programs and facilities. He received the Samuel D. Harris Professorship in Dentistry at the University of Michigan in 2000.

During his distinguished career, he trained more than 120 specialists in pediatric dentistry who were the pride of his professional life. His research interests focused on caries management, sealants and behavior guidance techniques in pediatric dentistry. A diplomate of the American Board of Pediatric Dentistry, he lectured throughout the U.S., Europe, Latin America and Asia, and published more than 70 articles and book chapters.

In 2006, the University of Minnesota established the annual Robert J. Feigal Lectureship in Pediatric Dentistry in his honor and he was able to attend the first two symposia before his death. An ever-willing co-learner of life, he was active in his church and a member of a loyal “fishing group” of fellow pediatric dentists, and an avid photographer who found joy in seeing the world with an artist’s eyes. Memorials are preferred to Habitat for Humanity and the University of Minnesota Robert J. Feigal Lectureship in Pediatric Dentistry, a fund established to support the Robert J. Feigal Pediatric Dental Symposium.

1977

Ann (Thompson) Tincher (D.D.S.), Red Wing, and former University of Minnesota faculty member in the Division of Dental Hygiene, died unexpectedly in March at age 52. She worked as a dental hygienist in Zurich, Switzerland, for three years, then traveled extensively through Europe, Asia, and the Pacific, before returning to Minnesota where she continued her studies and was a sales rep for a dental supply company. She taught dental hygiene for two years at the School of Dentistry and volunteered extensively in the Red Wing schools. Tincher was an avid bird watcher and volunteer for the Eagle Watch project at Colvill Park. She was also a beekeeper, a soap maker, a gardener, and an avid reader. On the evening before she passed away in the night, she celebrated her birthday with her family.

1985

David Lurye (D.D.S.), Winter Park, Colo., was installed as president of the 3,000-member Colorado Dental Association in June.

In addition to his dental practice, Lurye has volunteered one day per week for the last seven years as clinical associate professor in the Department of Restorative Dentistry at the University of Colorado School of Dental Medicine. He is also a researcher for Dr. Terry Tanaka’s Clinical Research Foundation in San Diego.

Lurye holds fellowships in the American College of Dentists, International College of Dentists, Pierre Fauchard Academy and Academy of Dentistry International.
Duffers and scratch golfers teed-off for a day of friendly rivalry at the 15th Annual Alumni Society Golf Classic, held July 10, 2009 at the Majestic Oaks Golf Course. Alumni, students and friends of the School of Dentistry enjoyed the camaraderie and fun golf event. A special thanks to committee chair Carol Dahlke (D.H.'84) and to all of the golfers and corporate sponsors for making this a successful day. Proceeds support numerous Alumni Society projects, including scholarships.

Special congratulations to the following contest winners:

**Special Awards:**
- **Men’s Long Drive:** Tony Groen
- **Women’s Long Drive:** Jane Hartner
- **Closest to the Pin:** Jeff Guidie
- **Longest Putt:** Keith Erickson

**Top Three Teams:**

**Team 1:**
- Tim Emmer
- Scott Lingle

**Team 2:**
- Paul Kirkegaard
- Mike Kurkowski

**Team 3:**
- Jeff Guidie
- Eric Kohorst
- Bob Marolt
- Robert Proebstle
- Walter Parsons
- Dick Wilberg
- Kent Confeld
- Doug Hoag

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**The Finishing Touch: Alumni Sponsor Caps and Gowns for Grads**

With an outpouring of generosity, alumni and friends made contributions to underwrite the cost of caps and gowns for the 2009 classes of dental and dental hygiene graduates. The effort, led by Tim Langguth ('73), this year’s Cap and Gown Committee chair, has been a tradi-

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**The 15th Annual School of Dentistry Alumni Society**

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Scot C. Osborne DDS & Associates, PA
- Dr. Mark R. & Mrs. Julie A. Moseng
- Dr. Donald A. & Ms. Jennifer Yoneji

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**DENTISTRY FALL 2009**
O C T O B E R 2 0 0 9

October 2
Alumni Reception, ADA Annual Meeting
5:30 p.m. to 7:30 p.m.
Hibiscus Suite
Hilton Hawaiian Village
Honolulu, Hawaii

October 8
Alumni Awards Celebration
5:00 p.m. to 7:30 p.m.
McNamara Alumni Center
University of Minnesota
Minneapolis, Minn.

October 15
American Association of Oral and Maxillofacial Surgeons (AAOMS)
University of Minnesota
School of Dentistry & Mayo Clinic reception for alumni & friends
7:00 p.m. to 9:00 p.m.
Fairmont Royal York
Toronto, Ontario

N O V E M B E R 2 0 0 9

November 4
Minnesota Student Dental Society Vendor Placement Fair
4:00 p.m. to 6:30 p.m.
Radisson University Hotel
University of Minnesota
Minneapolis Campus
Minneapolis, Minn.
For information: Call Dawn
(612) 767-8400
(800) 950-3368

J A N U A R Y 2 0 1 0

January 14
School of Dentistry Alumni Society (SODAS) Board Meeting
Dinner: 5:30 p.m.
Meeting: 6:00 p.m.

M A R C H 2 0 1 0

March 3–6
American Association for Dental Research
Washington, D.C.
Reception:
March 5
University of Minnesota
School of Dentistry
7:30 p.m. to 8:30 p.m.
Location to be announced
Washington, D.C.
For information:
Jane Franklin
(612) 626-5731

March 27
20th Annual Daniel E. Waite Lecture
U-M Continuing Education and Conference Center
University of Minnesota
Saint Paul Campus
Saint Paul, Minn.
For information:
(612) 624-9959

A P R I L 2 0 1 0

April 2
Alumni Reception:
American Association of Orthodontists Annual Session
5:00 p.m. to 7:00 p.m.
Washington, D.C.
To be announced

April 14–17
American Association of Endodontists Annual Session
San Diego Convention Center
San Diego, Calif.
Alumni Reception:
To be announced
For annual session information:
(312) 266-7255

April 22–24
Star of the North Meeting
Saint Paul RiverCentre
Saint Paul, Minn.
For information:
(612) 767-8400
(800) 950-3368

May 2
Alumni Reception:
American Association of Orthodontists
5:00 p.m. to 7:00 p.m.
Washington, D.C.
Location to be announced

M A Y 2 0 1 0

May 13-15
South Dakota Dental Association Annual Meeting
Rushmore Plaza Holiday Inn and Civic Center
Rapid City, S.D.
Alumni Reception:
To be announced
For annual meeting information:
(605) 224-9133

For more information:

Except where noted, you can obtain further information on the events listed and/or request disability accommodations by contacting:

Annie Pearson
Director, Alumni Relations and Community Engagement
(612) 625-6164
penno008@umn.edu

To stay informed about events at the University of Minnesota, see the Twin Cities Campus Event Calendar at www.events.tc.umn.edu
CDE Courses

10% Discount Available
School of Dentistry Alumni Society members are eligible for discounted continuing education. Members may receive a 10% discount for “lecture only” courses offered through the University of Minnesota School of Dentistry. (This discount applies to School of Dentistry Alumni Society members only and not their employees).

O C T O B E R  2 0 0 9
Clinical Grand Rounds: Prosthodontics & Implants
October 1, 2009
Occlusion & Function–Postgraduate Program in Esthetic Dentistry: Level III
October 7-10, 2009
Mini-residency in Nursing Home and Long-Term Care for the Dental Team
October 7-10, 2009
University Gold Orthodontic Study Club (Session One)
October 9, 2009
15th Annual Practice Management Symposium: Office Management for a Happier More Profitable Practice
October 9, 2009
Annual OSHA Training & Infection Prevention: Keeping It Real
October 10, 2009
Occlusion & Function–Postgraduate Program in Esthetic Dentistry: Level III
October 11-14, 2009
Management of the Behaviorally Challenging Patient: A Lecture and Workshop
October 16, 2009
Restorative Expanded Functions: An 80-Hour Training Program (Weekend Two)
October 16-18, 2009
Recordkeeping Workshop for the Dental Team
October 22, 2009

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October 16-18, 2009
Recordkeeping Workshop for the Dental Team
October 22, 2009

O c t o b e r 14-17, 2009
Dental Implants & Esthetic Dentistry–Postgraduate Program in Esthetic Dentistry: Level III (Weekend One)
January 14-17, 2010
Dental Implant Symposium
January 15-16, 2010
What’s New in Dentistry
January 22, 2010
Conscious Sedation Training Program
January 25-29, 2010
Safe Management of the High Risk Geriatric Patient
January 29, 2010

D E C E M B E R  2 0 0 9
Clinical Grand Rounds: Orthodontics
December 3, 2009
Restorative Expanded Functions: An 80-Hour Training Program (Weekend Four)
December 4-6, 2009
University Gold Orthodontic Study Club (Session Three)
December 11, 2009.

J A N U A R Y  2 0 1 0
Clinical Grand Rounds: Trauma
January 7, 2010
Postgraduate Program in Esthetic Dentistry: Level I–Lecture/Laboratory Series (Weekend Two)
January 8-10, 2010
Postgraduate Program in Esthetic Dentistry: Level II–Patient Series (Weekend Two)
January 8-10, 2010
Dental Implants & Esthetic Dentistry–Postgraduate Program in Esthetic Dentistry: Level III (Weekend One)
January 14-17, 2010
Dental Implant Symposium
January 15-16, 2010
What’s New in Dentistry
January 22, 2010
Conscious Sedation Training Program
January 25-29, 2010
Safe Management of the High Risk Geriatric Patient
January 29, 2010

For more information:
For more information, to register for classes and/or to request disability accommodations, contact:

Continuing Dental Education
6-406 Moos HS Tower
515 Delaware Street SE
University of Minnesota
Minneapolis, MN 55455

Phone:
(612) 625-1418
or (800) 685-1418

Fax:
(612) 624-8159

Website:
University of Minnesota
School of Dentistry Reception
for Alumni and Friends at the
150th Annual Session of the American
Dental Association

Friday, October 2, 2009
5:30 p.m.–7:30 p.m.

Hilton Hawaiian Village, Hibiscus Suite
Honolulu, Hawaii

For more information, visit our website at:
www.dentistry.umn.edu

Join Dean Patrick Lloyd, faculty and staff, and alumni and friends from around the country for cocktails, hors d’oeuvres and exciting updates on the innovations taking place at the School of Dentistry.

See you in Honolulu!