

Dentistry

FOR ALUMNI OF THE SCHOOL OF DENTISTRY

SPRING 2010

Great Expectations

New Master of Dental Hygiene Program
opens doors and new career paths.



from the Dean

PHOTO BY RICHARD ANDERSON

Dear Colleagues,

I hope you're as excited about reading this issue of *Dentistry* magazine as we were in getting it ready for you. The page on the right gives you a run-down of what's inside, section by section. Jump to an article that attracts your attention, or if you'd rather follow my review of this issue, I will point out the highlights from cover to cover.

The News Bites section reports on a long list of honors our school, students, staff and alumni have received over the past few months. In February, we received the 2010 William J. Gies Award for Outstanding Vision by an Academic Institution during the annual meeting of the American Dental Education Association. It was awarded based on our partnering with the Minnesota Board of Dentistry to be the first dental school in the country to offer a non-patient based examination for initial licensure. In addition, we also received awards and recognition from the University of Minnesota Alumni Association, the Office of Diversity and Equity, and the American Student Dental Association. And in the spirit of accomplishment, be sure to read about Karl Self's appointment as the director of our new Dental Therapy Division and Program.

Gracing our cover and leading the list of full-length articles is a piece on the newest dimension of our dental hygiene division—graduate education. Here you'll read about how our dental hygiene faculty are partnering with our education and business colleagues on campus to capitalize on their expertise. They have created an opportunity for dental hygienists to take their careers to the next level. Not only will you learn about the new program offerings, you'll get to meet two of the students enrolled in the Master of Dental Hygiene Program

and find out what got them interested and where these opportunities will take them.

The next article is an impressive story about one of our dentist-scientist students who is blazing his own trail and preparing himself for a host of career options. It highlights how he got here, what he's doing now, and where he thinks the future will take him. The final article is an interview-style arrangement of answers to questions posed to me by faculty and staff about the second three years of my tenure as dean. Some of these questions are those I am asked often, but others caused me to pause and contemplate before answering. You may find my responses helpful in understanding some of the transitions we've recently undertaken or are still working through.

The annual Community Report follows and provides a peek into what we've experienced financially this past academic year. Given how rapidly things have been changing—the economy, the response of legislators, and our reactions—we'll be including an update in our Fall issue. Hold onto what you read here so that you'll be up-to-date for our October report.

Be sure, also, to read Steve Litton's letter in the Alumni News section. As SODAS president, he recaps the accomplishments of the past year and invites School of Dentistry alumni to get involved. I, too, encourage you to find a way to stay involved by joining our alumni society, as it helps maintain our vitality and is a great way to "stay connected." The biographies of the 2010 distinguished dental hygiene and dental alumni award recipients offer evidence of how our alumni use their skills to better the world around us. We will present their awards at our upcoming Annual Dean's Reception. The page that follows will give you information on upcoming reunions, most of which occur during the Star of the North meeting.

The Class Notes section contains more entries than it has in years! Following them are the Events Calendar and CDE Course listings. Look through these closely. I'd hate for you to miss something you'd like to be involved in.

Closing out the magazine is our roster of benefactors for 2009 and, although I've thanked them in our report, I need to let everyone know how much we value these contributions. Philanthropy is something we will be dependent on more and more in the upcoming years. This, too, is part of the "new normal," and in this case, a key ingredient to our prosperity and success.

Sincerely,

PATRICK M. LLOYD
Dean

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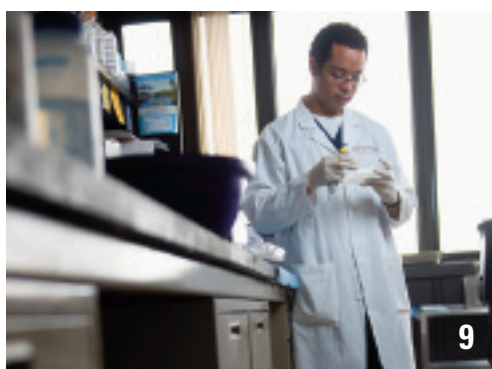


PHOTO BY SCOTT STREBLE



PHOTO BY TIM RUMMELHOFF

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PHOTO BY SCOTT STREBLE

UNIVERSITY OF MINNESOTA

School of Dentistry

Driven to DiscoverSM

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.

Dentistry is published two times a year for the alumni and friends of the University of Minnesota School of Dentistry. We welcome suggestions and letters. Please send them to *Dentistry* magazine, School of Dentistry, University of Minnesota, 15-136A Moos Tower, 515 Delaware Street SE, Minneapolis, MN 55455 or to kante008@umn.edu. For more information about the School of Dentistry and its programs, refer to the Web site at www.dentistry.umn.edu.

This publication/material is available in alternative formats upon request. Direct requests to Claudia Kanter, School of Dentistry, Department of Marketing and Communications, kante008@umn.edu, 612-625-0402.

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News Bites

Top Honors

It's rare in the world of academia that a dental school is singled out for all-University and national recognition. Within the last six months, the University of Minnesota School of Dentistry and its volunteers, staff and students have received ten awards, among them some of the most coveted and prestigious conferred. We share this news with great pride.

An Award So Nice They Presented It Twice

It's the "Oscar" for dental education, honoring individuals and organizations exemplifying dedication to the highest standards of vision, innovation and achievement. On February 27, the University of Minnesota School of

Dean Lloyd (again) accepted the award, this time before an auditorium filled with School of Dentistry students, staff and faculty, University officials, and Minnesota Dental Association and Board of Dentistry representatives. "This award is about more than a person or a program," he said. "It's given to our entire school and is a testament to what can be accomplished when lines of communication are open between organizations." He credited a willingness of all involved to recognize an opportunity, immerse themselves in understanding the issues, and to move forward together in the best interest of patients.

Lloyd's comments referred to the June 2009 decision by the Minnesota Board of Dentistry to approve the National Dental Examining Board of Canada's non patient-based licensure exam for testing the competence of School of Dentistry graduates applying for initial licensure to practice dentistry in the state. The decision was prompted, in part, by a concern advanced by the School of Dentistry about the ethics of using live patients to test the clinical competence of applicants.

As part of its deliberations, Board of Dentistry members visited the dental school. "We opened our doors and invited Board representatives to review the procedures we have in place to assure 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 practice dentistry," says Lloyd. "Board members had insights into the inner workings of the dental school and the confidence that candidates applying for licensure are



Dentistry accepted the prestigious *W.J. Gies Award for Outstanding Vision by an Academic Institution* in recognition of the dental school's role in advancing new standards for initial licensure of its dental graduates. Dean Patrick Lloyd accepted the award at a highly anticipated reception held in Washington, D.C. at the American Dental Education Association Annual Meeting (ADEA).

Four weeks later, ADEAGies Foundation President Richard Valachovic and Elizabeth Roberts, senior director of scientific and professional affairs for Johnson & Johnson, arrived in Minneapolis to re-enact the award ceremony for the entire dental school.

PHOTO BY ANNIE PEARSON



Third-year dental students Nicole Reardon, Jen Dylla, and Jeff Remakel.

clinically competent, having been critically evaluated on an ongoing basis throughout their four years of dental education.”

The Board of Dentistry decision to accept the two-part Canadian exam as a condition for initial licensure to practice dentistry in Minnesota is an arrangement exclusive to University of Minnesota graduates. The decision positions Minnesota as the first state in the U.S. to move beyond reliance on examinations that require applicants for licensure to perform procedures on live patients.

UMAA Awards

The University of Minnesota Alumni Association (UMAA) honored its outstanding alumni volunteers, groups and programs at a celebratory event held October 8, 2009, at the McNamara Alumni Center. School of Dentistry volunteers and alumni received three awards.



Steve Litton (L) and Archie Givens, president, UMAA National Board of Directors.

Twin Cities’ orthodontist **Stephen F. Litton** (’67) accepted the association’s highest honor, the prestigious *Alumni Service Award*. Margaret Sughrue Carlson, CEO of the alumni association, heralded his contributions, saying, “Steve is an amazing alumni volunteer who has contributed an incredible amount of time, wisdom, and talent to both the University, its School of Dentistry, and to the alumni association. He has a wonderful passion

(Top Honors continued on page 16)

Bands marched, flags waved, and dentistry’s most famous ambassador made a rare public appearance. The Tooth Fairy and more than 40 energized School of Dentistry volunteers welcomed campus visitors who lined the streets at the University of Minnesota’s *Ultimate Homecoming Parade* in October. Joining the Tooth Fairy are Count Plaquela and Mighty Molar, who greeted visitors and handed out toothbrushes to the cheers and applause of spectators.

Discovering New Knowledge

The breadth of the productive basic, clinical, social science, and translational research taking place at the School of Dentistry was on display at the 6th Annual Research Day on March 26. The all-day event provided an overview of research being conducted by faculty in fields as diverse as microbiology and HIV research, neuroscience, dental hygiene, mercury abatement, biomaterials, orofacial pain, and the relationship between oral health and general health and wellness. More than 300 community practitioners, students, staff and faculty attended.

Highlights of the day included a keynote address by School of Dentistry alumnus Brad Rindal (’75) who is the Minnesota region principal investigator for the Dental Practice-Based Research Network (DPBRN). Rindal discussed the DPBRN, which involves practicing dentists in the development of clinically important research questions and the collection of research data. The DPBRN is funded by the National Institutes of Dental and Craniofacial Research. Rindal was followed on the agenda by Minneapolis general dentist Patrick Foy, a practitioner-investigator in the DPBRN and a member of its executive committee.

Sixteen students also presented their research findings, including first-year dental student Jim Omlie, a participant in the school’s Summer Research Fellowship Program. Mentored by pediatric endocri-

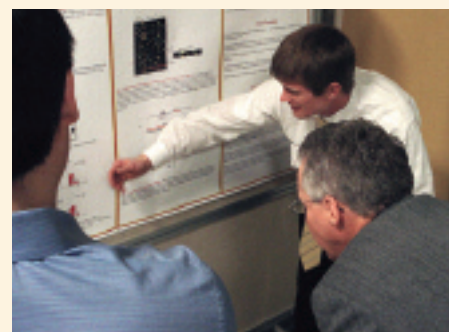


PHOTO BY CLAUDIA KANTER

Jim Omlie explains his research.

nologist Anna Petryk (Medical School), Omlie investigated copy number variations (CNV) as the basis of phenotypic variability in a mouse model of holoprosencephaly, a developmental abnormality characterized by a range of craniofacial defects. Understanding how CNVs arise in the mouse model has important implications for understanding the pathogenesis of disease in humans.

Three teams of faculty researchers received 2009 “Paper of the Year” awards. Congratulations to the basic science team of Dwight Anderson, Shelley Grimes and Paul Jardine for their paper in *Nature*; to the clinical science team of Bryan Michalowicz and Anthony DiAngelis for their publication in the *Journal of Periodontology*; and to the social and behavioral science and public health team of Naty Lopez and Karl Self, for their research published in the *Journal of Dental Education*.

Great Expectations

New Master of Dental Hygiene Program opens doors and new career paths.

BY TERRI PETERSON SMITH

These days it's unusual to hear about someone who's actually in demand in the job market. The idea of a job seeker "getting snapped up" by an employer seems like something from a bygone era. Yet, that's the buzz as the first class to graduate from the School of Dentistry's new Master of Dental Hygiene (MDH) Program begins to enter the job market. The inaugural class began with eight students in May, 2008 and six are graduating in 2010. Whether pursuing opportunities in academia or industry—the two educational tracks that the program offers—the school's MDH graduates are finding that they are in demand.

Their success attests to not only the personal drive and qualifications of the people selected for the program, but also to the crying need for their talents in education, dental management and in the oral health care industry. Until now, though, there has been little opportunity for hygienists to tailor a graduate-level education to meet these needs. May, 2010

grad, Brenda Armstrong says, "After 23 years in clinical dental hygiene, I was looking for opportunities to expand my career options and to give back. Advanced education is a good way to do that. I started looking in 2000, but the options for a masters in dental hygiene were few

"My passion is to keep students involved in civic engagement and the ideals they are taught in dental school, especially regarding access to care."

— BRENDA ARMSTRONG

and far between. Aside from an online program in Missouri, there was nothing in the Midwest."

According to Assistant Professor of Dental Hygiene Christine Blue, who helped found the program and is the director of the Division of Dental Hygiene, "There are only about 18 graduate programs in the entire country and those

are mainly located on the coasts. Yet nationally, there are about 300 education programs in dental hygiene, and 10 of those are in Minnesota alone." The growth in dental hygiene programs has led to a shortage of dental hygiene educators to teach all those budding hygienists. "In addition," says Blue, "the average age of dental hygiene faculty members is 52."

In 2004, the *Journal of Dental Education* reported on a study concerning the status of allied dental faculty. The results indicated that 68 percent of dental hygiene programs surveyed would need to replace current full-time faculty members within five years and 73 percent of those replacements would be needed due to retirement. Says Blue, "Schools have faculty vacancies they can't fill."

The demand for hygienists with a graduate degree is also attributable to the fact that the role of the hygienist in practice has changed dramatically. Many dental hygienists have assumed responsibilities as managers of large dental clinics, practice management consultants, and entrepreneurs. These changes require of the hygienist knowledge and skills

Celebrating 90 Years of Dental Hygiene at the University of Minnesota School of Dentistry*

1800s

University of Minnesota is founded as a preparatory school in 1851. In 1858, Minnesota becomes a state. In 1888, College of Dentistry is founded as a division of the Dept. of Medicine and is the 8th university-based dental school in the U.S.

1919

Minnesota authorizes licensure of "dental nurses." University of Minnesota Board of Regents approves course. Minnesota is second such education program at a dental school. (*California was first*).

1920

First class of students is accepted. Six students take a major portion of their first six months of studying in nursing courses. Harold Leonard, DDS, is the first program director, followed by Cora Ueland in 1923.

1923–mid-60s

Typewriting skills are required for entry into program.

1927

Eleven dental hygiene programs exist nationwide. Only two were two years in length, those at the University of Minnesota and the University of Tennessee. Others varied from eight months to less than two years.

beyond those acquired in pre-licensure education programs.

There's also demand for MDH grads with a business background in the dental products industry. Says Blue, "In the oral healthcare products and services industry—companies like Pfizer, Colgate, Philips Sonicare, and 3M, for example—dental hygienists are highly sought-after employees because not only do they promote these companies' products, but they know the science behind them."

Ultradent, a leading developer of high-tech dental and hygiene materials, devices and instruments worldwide, provides a good example. Says Ryan Downard, the company's senior marketing director, "We consider the entire staff of the dental practice as our customer base, including dental hygienists. Certain product lines we offer are meant specifically for the hygienist and the ability to impact hygienists 'at their level' is extremely valuable."

Creating a Program

What better place to establish a dental hygiene masters program than the School of Dentistry, smack in the middle of a major research university, with plenty of inter-professional collaboration and input from a world-renowned Academic Health Center, College of Education and Human Development, and the Carlson School of Management? Yet, even with all of these resources, setting up a new graduate program was no small task. Blue worked with Kathleen Newell, associate professor and former director of the Division of Dental Hygiene, on the project for a year-and-a-half. "Kathy came out of retirement to help make this happen. It was a dream of hers," says Blue. They sought input from a special interest group in the American Dental Education Association, a well-regarded MDH program at 

1927–28

In 1927, Minnesota amends practice act to refer to a "dental hygienist." Ione Jackson is named director of University of Minnesota School of Dental Hygienists in 1928 and continued in role for 39 years.

1930s

Curriculum reflects a move away from a nursing focus toward a more in-depth curriculum in dental hygiene and liberal education.





PHOTO BY SCOTT STREBLE

MDH student Sarah Graumann at the Carlson School of Management.

dental hygiene schools and among the potential applicants themselves. Blue marketed the program to all dental hygiene program directors in the country and to all hygienists in Minnesota. “Most of the prospective students find out about us on the Web,” says Blue. “We also have several information sessions a year. Ultimately,” she says, “It’s all about cultivating relationships.”

Applicants to the program must have graduated from an accredited dental hygiene program and they must have a bachelor’s degree. The program lasts 16 months to two years and students may pursue one of the two tracks: dental hygiene education or management. All students take a core curriculum of courses: Research Methods in Health Sciences, Administrative Leadership and Professional Development, Biostatistical Methods, and Instructional Strategies for Effective Teaching.

Beyond the core classes, the education track requires courses that provide students with the knowledge and skills to teach didactic, clinic and laboratory courses in dental hygiene programs, to conduct research, and to assume administrative positions. These include The Discipline of Dental Hygiene, Curriculum and Course Development, Dental Hygiene Clinic Administration, Dental Hygiene Supervised Student Teaching, Principles of Educational & Psychological Measurement, and Web-Based Teaching/Learning Strategies. Students in the educational track must also complete directed research and a thesis.

Courses in the management track, on the other hand, provide students with the knowledge and skills necessary for positions within the healthcare industry, such as sales representatives, managers of marketing and professional relations divisions, managers of large dental clinics,

Old Dominion University in Virginia, and from dental hygienists themselves. “There was a rigorous University approval process to establish the program,” says Blue. “There were people on the committee from every school in the University’s Academic Health Center and they provided great support and feedback.”

“As it turns out, it was perfect timing,” says Blue. “The Carlson School of Management was already hearing from people in the medical and dental industries that their MBA graduates needed to know more about science.” As a result, the Carlson School established its Medical

Industry Leadership Institute, which offers courses for MBA students desiring careers in the healthcare industry. MDH students take these business classes and others right along with MBA students. Says Blue, “The Carlson School was interested in getting dental hygiene grads into dental products companies and establishing relationships there, so it’s a win/win.”

Great program approved, Blue needed to let people know that the program was starting. She had to create awareness among companies that would offer internships and hire graduates, among

1940–43

60 students accepted (1940); 46 graduate two years later. Enrollment declines during war years to nine students. Beginning in 1943, course is conducted on ‘accelerated plan’ (four quarters/year) to meet increased demand for graduates.

1945

Of the 16 dental hygiene programs in existence, six are only one year in length.

1950

Dean William Crawford reports that “Enrollment in the School of Dental Hygienists remains about constant at 70–75 students in the two classes.”

1951–52

By 1951, all states require licensure of dental hygienists. University of Minnesota Program in Dental Hygiene is accredited by the ADA Commission with full approval in 1952.

1961

First National Dental Hygiene Board Examination is given.

1965–67

By 1965, 58 programs in dental hygiene operate across the U.S. In 1966, University of Minnesota Dental Hygiene Alumni Association is established. Donna S. Aker is appointed director of Program in Dental Hygiene (1967–85).

practice management consultants and entrepreneurs. They must take Financial Accounting, Marketing Management, Operations Management and several electives, all through the Carlson School. They must also complete a one-semester internship in a company or on the business side of a clinic, for which students receive credit. MDH students have had internships at Philips Sonicare, Procter & Gamble, and at the University of Minnesota Physicians Dental Clinic, to name a few.

First Class

Two soon-to-be MDH grads, Brenda Armstrong and Maria Nelson, exemplify the program's students. After more than two decades in practice, Armstrong was a seasoned dental hygienist and ready to move to the next level. For her, that meant sharing her profession by educating new hygienists, and in particular, sharing her interest in providing access to dental care for those who are underserved. "To achieve that," she says, "I was looking for a program that offered face-to-face instruction and plenty of opportunity to actually work with students." At the School of Dentistry, she received a great deal of student teaching experience, both in the clinic and through classroom experience teaching pre-clinical classes to first semester dental hygiene and dental therapy students. She spent two afternoons a week in the clinic and received both verbal and written feedback and mentoring, with Associate Professor in the Division of Dental Hygiene Jill Stoltenberg shadowing her.

She also conducted a research project focused on the relationship between service-learning and civic engagement at the dental school's newest outreach site, located at Rice Memorial Hospital in Willmar. She says, "My passion is to keep

students involved in civic engagement and the ideals they are taught in dental school, especially regarding access to care. With all that we do at the University to teach civic engagement, what do students do when they leave? Do they carry on? There's not a lot of research about this." She says, "Based on research, accreditation, and curricular reform, it is suggested

"Maria and the MDH program are a cut above the average. The immediate familiarity the MDH students have with most of our products and the ability to speak from experience are both very valuable. Maria specifically has done the program a great service by being professional and interested in learning, not just putting in the time. She has been valuable to us from day one."

— RYAN DOWNARD, SENIOR MARKETING DIRECTOR, ULTRADENT PRODUCTS, INC.

that civic engagement instills in students the values of professional and social responsibility."

Armstrong concluded that, "to be effective, service-learning should be coupled with an academic course that has civic engagement as a course objective. This should then increase civic skills desired and increase student abilities to act upon their intentions."

On her thesis committee were Christine Blue; Kathy Newell; and Heidi Lasley Barajas, associate dean for engagement and faculty development, College of Education and Human Development. She defended her thesis in January. "It was a great experience and I passed with no revisions," she says. Thesis under her belt, Armstrong has interviewed at universities and community colleges around the country—and she had multiple job offers. "I'm grateful for my experience at the U of M," she says. "I'm prepared and confident in knowledge, skills and values for dental education." Armstrong has accepted a faculty position, starting a new dental hygiene program at Thomas Nelson Community College in Williamsburg, Virginia.

Maria Nelson will also graduate in May, but in contrast to Armstrong, she had a fascination with the business world and opted for the management track after four years as a dental hygienist in Utah. The advice of one of her dental hygiene professors had stuck with her. "He said a master's degree would open doors we didn't even know existed," she says.

"The clincher for me in choosing this program was when I read about the for-credit internship." After completing her coursework, she worked as a marketing intern at Ultradent just outside Salt Lake City, Utah. "I haven't eliminated the idea of teaching, but the business end seems exciting," she says. "Most of my classes were in the University's Carlson School of Management. I loved learning about marketing and communication, international marketing, and operations." Her projects have included, among other things, work on the company's catalog, Web site, and on an advertising campaign. ☺

1968

First male student is accepted. University is still Minnesota's only dental hygiene program. Three new programs are established: Normandale Community College (1969), Mankato State University (1971), and U of M Duluth (1972).

1969

Minnesota legislature authorizes expanded functions and mandatory continuing education for re-licensure.

1974

Two classes accepted each year (in Sept. & Jan.). Now a seven-quarter program. Students no longer enter program directly from high school. Prerequisite college level courses in biology, speech and English are required.

1975

Bachelor Degree Completion Program in Dental Hygiene is approved by the Board of Regents in May 1975. Kathleen Newell heads program (1975–83).

1976–77

Peak enrollment: 271 students are enrolled in the G.D.H. degree program and 37 students in B.S. degree completion program. Program has more than 40 faculty members, including 20 full-time positions.

1979–80

Year of pre-professional coursework is required, extending program from a two-year to a three-year program.



MDH student Kim Johnson (R) with senior dental hygiene student Becky Montag.

PHOTO BY SCOTT STREBLE

of Dentistry’s MDH program, future grads will be in even greater demand. “The degree makes me unique,” says Nelson. “For example, at the Star of the North meeting a Procter and Gamble rep asked if I wanted an internship. They’re reaching out to people who know about dentistry.”

“The degree makes me unique. For example, at the Star of the North meeting a Procter and Gamble rep asked if I wanted an internship.”

— MARIA NELSON

Perhaps the graduates themselves are the best advertisement for this new program. Says Ultradent’s Downard, “Maria Nelson has truly set a positive tone regarding the quality of people coming from the program. Maria and the MDH program are a cut above the average. The immediate familiarity the MDH students have with most of our products and the ability to speak from experience are both very valuable. Maria specifically has done the program a great service by being professional and interested in learning, not just putting in the time. She has been valuable to us from day one.”

Says Nelson, “The program exceeded my expectations. I tell everyone about the U of M.” ☺

For more details on the program, see: http://www.dentistry.umn.edu/programs_admissions/advanced_programs/grad_hygiene/home.html

“At Ultradent, it’s been really cool to see the manufacturing, partly because I had used the products clinically. I even worked on the line for a couple of hours.” Her supervisor at Ultradent, Ryan Downard, has been impressed with her enthusiasm. He says, “She has been seeking out various people within the sales and marketing groups here at Ultradent to gain a further ‘real world’

understanding of each of the various positions and their impact on the business. It’s obvious that her work ethic carries over in both academic and professional areas. The desire to complete a project on time (or earlier) and to ensure her part is complete and correct are extremely valuable.”

Nelson believes that as industry and academia get acquainted with the School

Mid-1980s

Dental hygiene faculty begin to focus on dental hygiene research.

1986

Regents approve baccalaureate degree program in dental hygiene. First class starts in 1990 with 25 students.

1987

Kathleen Newell is appointed chairperson of the Department of Dental Hygiene (1987–2004).

2005

Christine Blue is appointed Director, Division of Dental Hygiene.

2007

Study abroad program is initiated. Two students spend two months at University of Bergen, Norway.

2008

Master of Dental Hygiene Program is launched with eight students.



Double Vision

Toward a career in academic dentistry.

BY TERRI PETERSON SMITH

Research is a way of life for Julio Sotillo. The son of two scientists—his father in cereal chemistry and his mother in molecular biology research—he all but grew up in a lab. But it was a circuitous route that brought him to the University of Minnesota and to a career in academic dentistry via the School of Dentistry's D.D.S./Ph.D. program.

Sotillo was born in Corvallis, Oregon, where his dad attended graduate school, but spent much of his childhood in his family's native country of Venezuela. He was about ten years old when the Sotillos returned to the U.S., this time taking up residence in Fargo, N.D., where his parents pursued their careers. "I remember it like it was yesterday," he says. In February of 1990, full of excitement yet sad to leave his extended family, Julio and his parents left Venezuela where the temperature was in the mid 80s. After a long day of travel, they arrived in Fargo, where it could not have been more than 10 degrees. "Needless to say, it was the coldest temperature I had ever experienced," he says. "I remember the snow and seeing my breath for the first time as I blew air in my brother's face. I was ten years old and I did not speak English. About a month later I was welcomed into Washington Grade School by all the fourth graders in my class and I learned English from them and they some Spanish from me."

In college, he spent his first two undergraduate years at the University of North Dakota, then made the move to the University of Minnesota where he completed a bachelor of science degree in biology. As a University of Minnesota ☺

undergrad, he had an opportunity to conduct research and, after graduation, worked for two years as a junior scientist in the virology research lab of Dwight Anderson, professor emeritus in the School of Dentistry's Department of Diagnostic & Biological Sciences, along with Shelley Grimes and Paul Jardine. The Anderson lab—now part of the dental school's Institute for Molecular Virology—studies the life-cycle of viruses as they replicate and infect healthy cells.

A Broader View

Given his parents' influence, research was naturally an interest for Sotillo. But his decision to invest so much time in a dual degree was influenced by several experiences that expanded his professional interests beyond the lab. "I have always been truly motivated to help people," he says. "Because of this, I knew nothing would be more satisfying than a career where I could have a direct impact on the health and well-being of individuals. So, I looked to obtain experience in multiple health care disciplines, including nursing and medicine." During the summer of 1999, he worked as a certified nursing assistant in Fargo. "I also worked in a hospital as a lab assistant/phlebotomist throughout my undergrad years. I gained a lot of experience working with all kinds of patients including infants, the elderly, those with Alzheimer's, and pregnant mothers."

"Yet," he says, "it wasn't until I was exposed to dentistry that I realized how one could help people in need with personal attention, genuine compassion, skillful technique and advanced technology at every step of treatment. As I gained more background in dentistry and its multiple disciplines, it became more evident how I could maintain and enhance both the oral and systemic health of individuals solely by having the opportunity to work on the craniofacial area. At the same time, I appreciated that this is no easy task. I thought that the level of complexity brought on by the variety of patients would prove challenging but extremely rewarding."

The First Step

Sotillo was accepted into MinnCResT, the Minnesota Craniofacial Research Training Program, in August 2004 as a D.D.S./Ph.D. fellow. With the support of a major grant

from the National Institute of Dental and Craniofacial Research, the program aims to train the next generation of independent investigators exploring questions in craniofacial, oral health and dental research. The program offers scientific and career development programming and full fellowship support for graduate students, D.D.S./Ph.D. students, and postdoctoral fellows wishing to begin, continue, or expand their research careers. MinnCResT researchers work across disciplines in teams of trainees and mentors from such fields as biology, neuroscience, microbiology, genetics, immunology, engineering, psychology, dentistry, medicine, and other disciplines that contribute to its research training mission.



PHOTO BY SCOTT STREBLE

Sotillo began his studies in the Graduate Program in Oral Biology, where his mentor was Raj Gopalakrishnan, an associate professor in the dental school's Division of Oral & Maxillofacial Pathology. His research examined the mechanisms of bone remodeling. Specifically, he studied the role of two secreted proteins, matrix gla protein and twisted gastrulation, in the modulation of bone cell development and skeletal remodeling. Understanding the role of these two proteins could enhance applications in dental medicine associated with bone formation and resorption linked to pathology, tooth movement, dental implant stability, and craniofacial growth.

Says Gopalakrishnan, "Julio won a Young Investigator Award at the 2008 American Society for Bone and Mineral Research meeting in Montreal. This is the national meeting for bone researchers. He received the award for part of his thesis work that he presented at the meeting examining the skeletal pheno-

type of twisted gastrulation-deficient mice." Sotillo was the lead author on a manuscript about this work that was accepted for publication in the *Journal of Bone Mineral Research*.

Sotillo has been recognized by the Phi Sigma Theta National Honor Society, and is a member of the International Association for Dental Research, American Association for Dental Research, and American Dental Education Association. He was also selected to present his work in the competition for the Hatton Award of the American Association for Dental Research. Says Gopalakrishnan, "He was the second student to go through the D.D.S./Ph.D. program, though we have more students in the program after him. So he had to navigate through a lot of unknowns, which was a challenge. We were very lucky to have him in the lab and really enjoyed his presence."

Says Sotillo, "The experience that I've had in dental research is a testament to the great level of mentorship that I've had here."

Lab to Clinic and Back Again

After completing four years in the Ph.D. program, Sotillo began the D.D.S. portion of his studies. Now in his second year of dental school, he and his wife are parents to a two-year-old daughter and he says that his family life, along with sports, helps bring a sense of balance to all this work. "They keep me grounded and busy and give me a fresh perspective on everything."

Sotillo says he enjoys being able to bring his own multicultural perspective to dentistry. He has volunteered at Give Kids a Smile Day and served as a translator for Spanish-speaking patients. "It helps make patients more comfortable when you can explain dental procedures to them in their native language," he says. He also enjoyed making mouth guards for athletes in the Special Smiles program of the Special Olympics.

It's that direct, personal contact with patients that he feels will enable him to make an impact with his research. "You gain first-hand knowledge into what research is needed by interacting with patients," he says. "You use that hands-on information and take it back to the lab. I want to use my clinical experience to understand and expand my research with real-world problems." ☉

On the Record

A conversation with Dean Patrick Lloyd about partnerships, challenges and the future.

Dentistry Magazine: Your last interview with Dentistry magazine was in 2007. Can you give me a brief overview of the school's last three years?

Dean Lloyd: It's been a time of programmatic refinement and an expansion of partnerships. We modified the way we conduct many of our most important business operations. We revised our student admissions processes, more completely integrated our dental and dental hygiene programs, and enhanced school-wide governance. We established new outreach clinics, and we'll soon implement an electronic health record to better prepare our students to assess, treatment plan, and care for patients when they graduate. We created two new education programs. And, we enhanced existing partnerships and reached-out to form new ones that have allowed us to do some great things.

DM: What 'great things' came from partnerships?

DL: Our new dental simulation clinic is one example. Another is the University of Minnesota Physicians (UMP) Dental Clinic, created in collaboration with UMP and University of Minnesota Medical Center-Fairview. We worked with the Board of Dentistry to advance the approval of the new non patient-based licensure exam, and with the Minnesota Dental Association to move forward with the dental therapy initiative. We partnered with the Minnesota Department of Health, dental industry, and private foundations to build and staff a hospital-based dental clinic in Willmar. We also reached out to the University, alumni and friends.

DM: What wasn't on your radar screen in 2007?

DL: I didn't anticipate the midlevel dental provider initiative. It came into view late that year and was a surprise to me and many in the dental community.

DM: How did the midlevel dental provider initiative come about?

DL: If you ask ten people, you'll probably get ten different answers. Some say it was all about improving access to dental care. Others will say it's about reducing the cost of dental care. Some attribute it to an over-supply of dental hygienists and a lack of job opportunities. There are those who will attribute it to the state legislature, while still others will say it's because of what dentists did or did not do. As each month passes, 'how it came about' becomes less and less important to me. Today, I'm more interested in staying focused. Our goal is well defined: to educate dental therapists for licensure by 2011. There is so much more to be done during the next couple of years, we have to use our time and resources wisely.



Dean Patrick Lloyd

PHOTO BY SCOTT STREBLE

DM: Did the dental school lead or was it led?

DL: We weren't involved when the issue was first introduced, but when it became apparent the legislature was committed to license dental therapists in Minnesota, we had an obligation to step up and contribute our clinical and research expertise to the process. The legislation would have been significantly different if we had not taken on a leadership role.

DM: What else wasn't on your radar screen?

DL: Although everyone was predicting an economic adjustment and all sorts of corporate misdeeds were being exposed, who could foresee the magnitude or the long arm of the impact? That's not to say the dental school wasn't planning for reductions in state support, because we were. State support had declined as a percent of budget for several years—but never to this level.

DM: If you anticipated reduced support, what was the big game changer this time?

DL: The number of layers involved, for one. It's not just about the dental school or the University budget. It's about the entire financial landscape of our state and country, our corporate and community partners, our funding agencies, and the personal finances of individual citizens who are our patients and our donors. ☹

Another game changer is that others are making big decisions that affect us and how we move forward. So, for example, the Governor ‘unallotted’ \$50 million from the University in 2009 and our portion of that reduction was \$3.4 million. Human services spending was also reduced, resulting in changes to the benefit set and funding levels for public dental programs. We have 54,000 patient-visits/year by public program enrollees to our clinics, so those changes will have a dramatic effect on our clinic income. The state also eliminated the Critical Access Dental Payment Program (CADPP), which provided an enhanced reimbursement



Visiting with alumni in Arizona.

to practices and clinics with a high volume of public program patients. We were a critical access provider, and the loss of this program adds to our financial challenge.

The biggest game changer is that this is all such a moving target. The legislature is *now* debating an 83% cut in the Medical Education Research Cost (MERC) program that funds health professional training for residents in our dental specialty programs and for students in our outreach clinics. Maybe CADPP will be re-instated and maybe MERC will prevail. We just don't know. Either way, we still need to treat patients and educate students.

Other unknowns? Who can predict the impact of health care reform legislation on our state and what might trickle down to the school. Many people are calling this the “new normal”—meeting the mission in an environment of increased ambiguity and reduced funding.

DM: What's been the strategy for addressing the challenge?

DL: We can't just cut our way out of financial challenge. Sure, there'll be some reductions. But our real success will come in finding new ways to increase resources and develop different approaches to doing business.

Early in the 2009 academic year, we had meetings with all 16 divisions and program directors, and the respective chairs and deans to review utilization of staff and faculty, education, research and service commitments, and their cost savings and revenue-enhancing ideas. The result was a broad set of recommendations about enhancing revenues, identifying new partnerships, and reducing operations. This information was shared with the school's budget committee, composed of our senior leadership, staff and faculty members, who represent groups from throughout the school. They generated consensus recommendations that were studied for feasibility and financial impact and we've moved forward on a number of those recommendations.

DM: Can you share examples?

DL: We will stagger student summer vacation times in 2011 so that our clinics are open year-round. We also renegotiated reciprocity agreements, streamlined our patient admissions process so that more care is provided at the first patient visit, stepped-up clinic marketing, and we increased the number of weeks students are at outreach clinics, which generates clinic revenue. We also reduced adjunct faculty salaries, and cut back on travel and discretionary expenses within the administration and departments.

DM: What has the University done to help?

DL: The University created retirement and reduced appointment incentives. We've encouraged people to consider those options if appropriate to their situation. We now have 47 fewer people than we did a year ago, the result of early retirements, reduced and non-renewals of appointments, and budgeted positions for new hires that will go unfilled. Last year, the University announced a salary freeze and this year there will be a salary reduction for every employee. What's been especially gratifying is that our

senior administrators, and a number of faculty and staff, have gone beyond that announced reduction and volunteered to accept an additional salary reduction.

DM: What will the impact of budget challenges be on the uninsured?

DL: That depends. As now proposed, the benefit set for adults on Medical Assistance is significantly reduced, which means adult patients won't be able to receive as much care as a year ago. As I mentioned, the Critical Access Provider reimbursement was eliminated, which threatens the viability of safety net clinics. For us, that also means there will be fewer opportunities for our students to learn how to manage and care for patients.

DM: How will this “new normal” affect the school and its patients?

DL: It means we'll be stretching our vision and reinventing ourselves. Everyone is working very hard to make sure that we don't sacrifice the mission as we move forward. But there will be changes, including the potential for synergies with community partners. We continue to identify and create opportunities to match the interests and goals of friends and colleagues with opportunities at the School of Dentistry.

DM: There are as many as 20 new dental schools being built or planned. How might they affect schools like ours?

DL: They'll recruit faculty—especially clinical faculty—and faculty shortages are likely to worsen. We may see a change in the number of dental school applicants, with a potential for increased competition among schools for the best students. Beyond that, there are many unknowns. With no state support, but also no need to fund research enterprises, will tuition be more or less at these schools? We may see new models of dental education. It also remains to be seen if these new schools will affect workforce distribution or if there'll be new approaches to delivering dental care. But there will be opportunities for all dental schools, new and old. And, just like in the 1970's when the government stepped in to make major changes in the number of dentists educated, we'll have to wait to see the real and lasting impact.

DM: What's our state impact now?

DL: We're responsive to the broad workforce needs of the state. We built new clinics, added new outreach sites and recruited new faculty to supervise students as they treat patients. We increased our class size 25% over the last six years, created new programs to educate dental therapists and prepare internationally educated dentists for licensure, reinvested in new facilities and technology, and are working to enhance the diversity of our faculty and student body. We're doing better what we always did well... and contributing new solutions.

We've also worked hard to position ourselves as a resource for legislators and have been able to more effectively respond to their need for information, offer advice, and implement programming that directly addresses concerns raised by citizens all over Minnesota. In this regard the perception of our school as a true state resource has been enhanced.

DM: What is the current state of our research program?

DL: Our research program has undergone changes that reflect national trends and funding priorities that allow us to adapt and stay at the cutting edge. We find ourselves uniquely positioned to take advantage of new opportunities in areas such as bone biology, neuroscience, materials science, and infectious diseases and virology to name a few.

DM: What changes were made?

DL: We invested in a number of 'junior faculty' whose areas of expertise align nicely with our strengths or who bring something new and exciting that could help launch us into new areas. And we supported several senior faculty on sabbaticals to explore new research technologies and collaborations. We also recruited an associate dean for research with programmatic experience at NIH and who has an active research program of his own. Start-up packages have been offered to new hires so that they can hit the ground running, and we're seeing more collaborations with researchers across campus and the country. Because of these strategic investments we're seeing more faculty submitting grants and a greater emphasis on collaborations to address the critical questions in dental and craniofacial research.

DM: The University president and the Academic Health Center (AHC) senior vice president will retire within two years. How might this affect the dental school?

DL: We've had excellent working relations with the University's senior administrators. They know what we do and value our contributions. We've had support for faculty hires and facility upgrades such as the Simulation Clinic, and we've been involved in University and state initiatives, all of which have allowed us to better care for patients, conduct research and educate students. Looking ahead we need to involve ourselves in the recruitment processes. It's important that people in these key positions understand and appreciate our role and contributions to an institution of higher learning with a strong research mission. And, once hired, we must work hard to support them and find ways to demonstrate our worth and level of commitment.

DM: Where do you see us in five years?

DL: We'll continue to be a resource to the State, maybe even more than in years past. We'll be helping address workforce issues, developing and evaluating new models of care delivery, and searching for answers to reduce dental disease and to promote oral health. Our role within the AHC will also expand. With an increased emphasis on interprofessional education, a team approach to caring for patients, and the value of research at interfaces of disciplines, we'll be called on more to be a player and partner. We'll also continue to be a school that others look to for ideas and to help solve problems facing the profession, not just in Minnesota, but across the country. Students and faculty alike will be drawn to our school, wanting to be 'where the action is' and to see what can be accomplished when everyone's energies are aligned.

DM: What do you worry about?

DL: I worry a lot. My biggest worry right now is that people are not able to access needed dental care. And I worry that state funding cuts will make things worse and

that our outreach clinics may have to be scaled back or closed.

I also worry about our ability to provide a high quality education at an affordable price that allows students to be successful graduates and grateful alumni. I worry that our staff and faculty, who are working hard to maintain our focus on the mission, know they are appreciated. They are our most valuable resource. I worry a lot about morale in an economic downturn and about being able to provide the support people need to do their jobs and to do so in a way that theirs can be the most meaningful and productive careers possible.



PHOTO BY TIM RUMMELHOFF

The Gies Award for Outstanding Vision. Dean Lloyd (center) with award presenter Elizabeth Roberts (Johnson & Johnson) and Richard Valachovic (ADEAGies Foundation).

DM: What keeps you motivated.

DL: Every day I find things that motivate me. Sometimes it's something really grand like the Gies Award we received for outstanding vision. I get excited when I learn about the achievements of students, staff, or faculty because the recognition says we're working well together as a community and that we've selected, hired, or recruited quality people who share a common vision. There's always a 'boost' when I learn that the AHC or University or one of our partners has supported a special request we've made. But what really keeps me going are the unsolicited comments and e-mails I get from people telling me they're proud of what we're doing as a school. And I do get a lot of these messages from patients, students, staff, faculty, and alumni and friends of the school. I appreciate these most and remember them longest. ☺

2009 Community Report

The charts below represent the unaudited revenue sources and expenses of the School of Dentistry for fiscal year 2009.

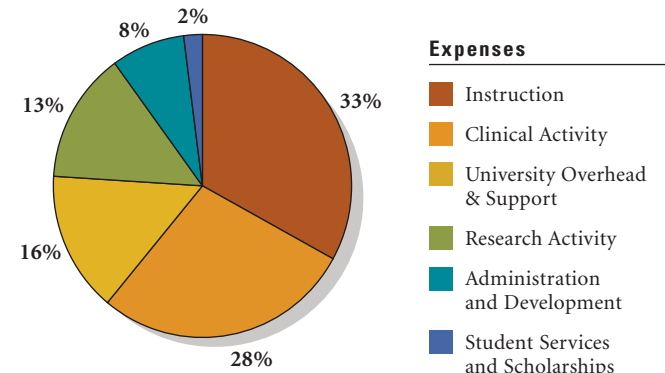
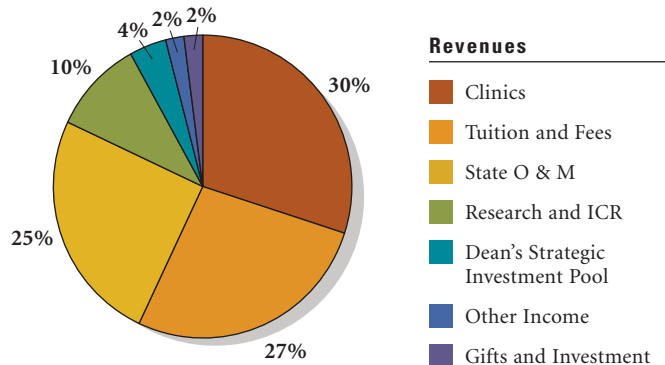
REVENUES & EXPENSES

Revenues (in thousands)

Clinics	\$	17,885
Tuition and Fees	\$	16,102
State Operations & Maintenance (O & M)	\$	15,107
Research and ICR	\$	6,095
Dean's Strategic Investment Pool	\$	2,100
Other Income	\$	1,394
Gifts and Investment	\$	951
Total	\$	59,634

Expenses (in thousands)

Instruction	\$	21,391
Clinical Activity	\$	18,187
University Overhead & Support	\$	10,436
Research Activity	\$	8,807
Administration and Development	\$	5,273
Student Services and Scholarships	\$	1,156
Total	\$	65,250



Revenues Notes

Financial results for the University of Minnesota School of Dentistry for the fiscal year ending June 30, 2009, were reflective of overall economic conditions in several key areas.

Total revenues for the School of Dentistry declined \$.7 million for the fiscal year, from \$60.4 million to \$59.7 million. Declines in funding for research and state funding were partially offset by increases in clinical revenues and increased tuition and fees. This shift in funding sources is consistent with trends at many dental schools nationwide.

Clinical revenues increased marginally by \$.2 million, from \$17.7 million to \$17.9 million. Clinical activities reflect continued pressures on public program reimbursement levels as well as the effect of the economic decline in the latter part of the year.

State Operating and Maintenance (O & M) funding received by the School of Dentistry continued to decrease as a percentage of total revenue. Of special note is that revenue from tuition and fees surpassed state support for the first time in memory. This change was in evidence across the entire University. A more significant decline in this funding area is expected in future years.

Research revenues, indicative of the difficult research environment nationwide, declined significantly from \$8.0 million to \$6.1 million, a decline of \$1.9 million.

Tuition and Fee revenue increased \$1.7 million from \$14.4 million in FY2008 to \$16.1 million in FY2009. The University of Minnesota School of Dentistry has historically targeted the mid range of publicly supported Midwestern dental schools when determining tuition rates.

Other Income increased by \$.6 million, from \$.8 million to \$1.4 million. This increase was the result of funding from the University Academic Health Center to support the construction of the new hospital-based general practice residency clinic in partnership with the University of Minnesota Medical Center-Fairview and University of Minnesota Physicians.

Dean's Strategic Investment Pool declined \$.5 million, from \$2.6 million to \$2.1 million. A significant portion of this funding is from federal educational

funding sources and is subject to federal budgetary constraints.

Gifts and Investment Returns decreased from \$1.9 million to \$1.0 million for the fiscal year ending June 30, 2009, resulting from depressed market conditions and reduced cash flow from endowments and gifts.

Expenses Notes

Total expenses for the School of Dentistry increased \$1.3 million for the fiscal year ending June 30, 2009, from \$64.0 million to \$65.3 million.

Instructional expenses increased \$.2 million, from \$21.2 million to \$21.4 million due to a combination of increased number of faculty as well as University-wide compensation increases for existing faculty and staff.

Clinical Activity expenses increased \$.3 million, from \$17.9 million to \$18.2 million.

Research Activity expenses were unchanged at \$8.8 million.

University Overhead and Support increased \$.5 million from \$9.9 million to \$10.4 million. This category includes the School of Dentistry's pro-rata portion of such University-wide expenses as facilities management, libraries, central administration, technology, and research administration and compliance.

Administration and Development expenses increased \$.1 million, from \$5.2 million to \$5.3 million, primarily related to efforts to implement the new University-wide financial system, as well as a new clinical information system. Both these information system efforts will continue in FY2010.

Student Services and Scholarships support remained basically unchanged at \$1.1 million.

Jeff Ogden
Chief Administrative Officer

2009-10 FACULTY/STUDENT STATISTICS

Paid Faculty Appointments*

	Full Professor	Associate Professor	Assistant Professor	Total
Tenure/Tenure Track	25	29	15	69
Research Track	0	0	12	12
Clinical Track	2	20	23	45
Adjunct	33	34	78	145
Total	60	83	128	271

*As of 4/5/10.

Students | Fall Semester Enrollment 2009

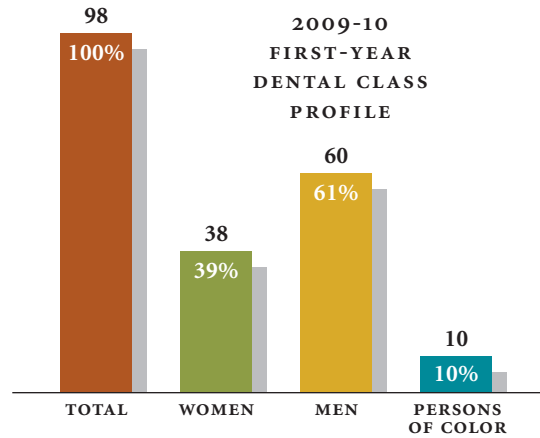
Dental Hygiene, B.S.	48
Dental Hygiene, Master Degree	16
Dental Therapy	9
D.D.S.	403
Advanced Education & Graduate Programs	87
Total	563

2009 Graduates

Dental Hygiene-Baccalaureate Program	23
Certificates	27
Professional & Graduate Degrees Awarded	115
Total	165

2009-10 FIRST-YEAR DENTAL CLASS PROFILE

Total Number of Applicants 1,079*
Class Size 98



Average GPAs

Overall GPA	3.67
BCP (Bio, Chem, Physics) GPA	3.64
Science GPA	3.63

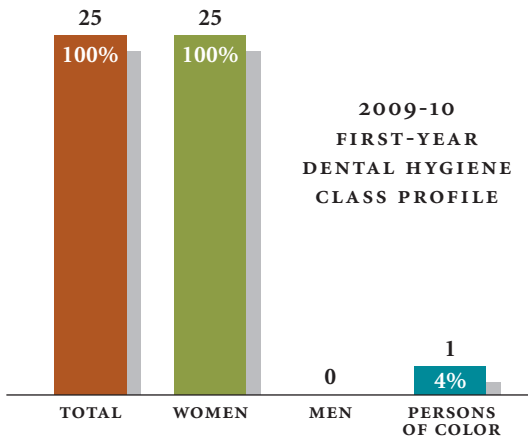
Average DATs

Academic Average	19.63
Perceptual Ability	20.74
Total Science	19.72
Reading	20.99

*These figures represent AADSAS calculations.

2009-10 FIRST-YEAR DENTAL HYGIENE CLASS PROFILE

Total Number of Applicants 69
Class Size 25



Average GPAs

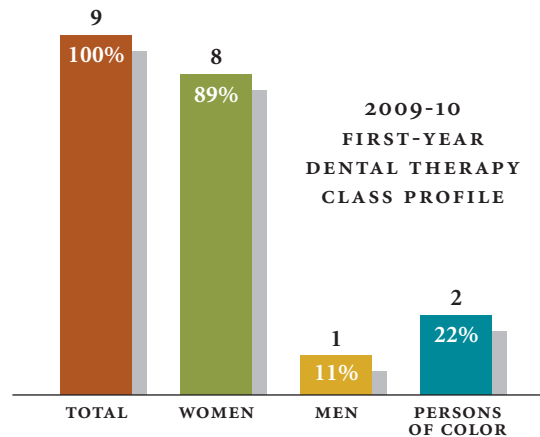
Overall GPA	3.46
Science GPA	3.29
Prerequisite GPA	3.47

ACT Scores

Composite Average	23.36
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2009-10 FIRST-YEAR DENTAL THERAPY CLASS PROFILE

Total Number of Applicants 25
Class Size 9*



Average GPAs

Overall GPA	3.37
Prerequisite GPA	3.41

*8 Master's Degree Program, 1 Bachelor's Degree Program.

People



Karl Self

Appointed:
Karl Self (Primary Dental Care) as director of the Division and Program in Dental Therapy.

Self brings with him a strong commitment to integrated health care, diversity,

and community partnerships to meet the needs of the underserved, and is recognized within the public health community for his involvement in crafting public health care policy.

Prior to his appointment, he was a group leader in the School of Dentistry's Comprehensive Care Clinic and, before that, the Executive Director of the Community-University Health Care Center (CUHCC).

As a member of the delegation that visited established dental therapy education programs in Canada, New Zealand and England, Self learned first-hand about how those programs fit into their respective delivery systems and what might—or what might not—be transferable to the School of Dentistry's new dental therapy program. He contributed thoughtfully to discussions about the development of the University of Minnesota's ground-breaking program and is eager to apply his talents, expertise and passion to the academic, clinical and professional development of the school's dental therapy students as complementary members of the dental team.

Self received his dental degree from the University of Minnesota School of Dentistry ('84) and an MBA from the University of Minnesota Carlson School of Management ('92).

Top Honors *(continued from page 3)*

for his profession, for higher education, and for our great University, and we will reap the benefits of Steve's contributions, loyalty and generosity for many years to come."

A four-time University of Minnesota graduate, Litton is a former School of Dentistry instructor and member of numerous faculty search committees and fundraising campaigns, including the 2000 x 2000 x 2000 Campaign and the recent Simulation Clinic Campaign. He initiated an Orthodontic Residents Endowment to support residents' attendance at professional meetings, and coordinates class reunions held every year during the national meeting of the American Association of Orthodontists. He also served two terms as a member of the UMAA National Board, and received its National Volunteer of the Year Award in 2006. Litton is currently president of the School of Dentistry Alumni Society (SODAS).

Also recognized was **Marie Baudek**, associate director of continuing dental education (CDE) and immediate-past director of alumni relations for the School of Dentistry, who received the *Faculty Staff Volunteer of the Year Award*. As CDE associate director, Baudek is an ex-officio advisory member to the SODAS. Says Fred Bertschinger, director of development for the School of Dentistry, "Marie embodies the values and spirit of an individual eager to serve the alumni of the School of Dentistry, offering her time and valuable assistance that comes from her past years of experience as the director of the School of Dentistry Alumni Association.

The *Program Extraordinaire Award* went to the **School of Dentistry Alumni Society** (SODAS). The dental school's alumni association was recognized for its membership recruitment activities at the 2008 Vendor Fair, sponsored by the Minnesota Chapter of the American Student Dental Association (ASDA).

Equity and Diversity Award

In November, 2009, the **School of Dentistry** became the first Academic Health Center school to receive the *University's Equity and Diversity Outstanding Unit Award*. The award recognizes the dental school's breadth of community engagement in



(L to R) Naty Lopez, Rusty Barcelo and Dean Patrick Lloyd.

diverse communities throughout the state. Naty Lopez, assistant dean for admissions and diversity, and Dean Patrick Lloyd accepted the award from Rusty Barcelo, University of Minnesota vice president and vice provost for equity and diversity.

Student Leadership Awards

The University of Minnesota chapter of the American Student Dental Association (ASDA) continues to lead by example,



University of Minnesota ASDA delegates.

both locally and nationally. At the ASDA Annual Session in March, our Minnesota chapter received several awards, among them awards for *Outstanding Involvement with Organized Dentistry*, *Ideal Legislative Grassroots Network*, and *Best Website Content*. Two students were also singled out for honors: Third-year dental student **Tim Anderson** was named *Delegate of the Year* from the 8th ASDA District, and second-year dental student **Aruna Rao** received the *Legislative Liaison of the Year, Honorable Mention*.



A Letter from the President

Greetings Fellow Alumni,

I am proud to be a graduate of the School of Dentistry at the University of Minnesota because of the great accomplishments the School has made in the state and throughout the country. Our School of Dentistry Alumni Society (SODAS) has the highest percentage of life members of any collegiate alumni society—so you must feel the same way I do! Your support of the school in this manner is exceptional. For those of you who are not life members, you will have that opportunity the next time you renew your membership to the University of Minnesota Alumni Association and automatically become a member of the School of Dentistry Alumni Society. For those of you who do not belong, I encourage you to join to help support the University and the School of Dentistry, including its student and alumni programs.

The funds we raise from dues, the sale of logo items and the annual golf classic go to support the many programs SODAS provides, so your participation is critical to our future. Be sure to stop by our booth at the Star of the North meeting April 22-24. We will have School of Dentistry logo items for sale, as well as info on memberships, current events and fundraisers. The Dean's Reception takes place on Friday night, April 23, where we will recognize the distinguished dental hygiene alumna, Ms. Patricia Bryan from Minneapolis, and the distinguished dental alumnus, Dr. Michael Fuchs of Huron, South Dakota.

Our largest fundraiser of the year is the Cap & Gown Graduation Fund drive. This is a great way to welcome our new colleagues, so please consider helping the graduating dental and dental hygiene students as they make the transition from student to practitioner.

The Annual Golf Classic is our biggest social event and fundraiser, and will once again be held at the Majestic Oaks Golf Club on Friday, July 30. This event has proven to be a very enjoyable day, so please be sure to register and ask your friends and dental vendors to join you.

As many of you know, Margaret Sughrue Carlson, CEO of the University of Minnesota Alumni Association for the past 25 years, has announced her retirement effective this spring. She has been a guiding light for the Alumni Association, enhancing its impact on the University of Minnesota. A search committee has just announced her replacement, Phil Esten. He has a doctoral degree in kinesiology from the University and has taught graduate level courses as an adjunct professor of the U's Kinesiology Department. Most recently, he was an associate director of the athletics department. Obviously well-schooled in "Gopher" culture, he'll be a great leader of the University of Minnesota Alumni Association, whose members are ambassadors for the outstanding teaching and discovery that happens here.

As I end my term as president, I look back on the significant progress we have made as an organization to be more efficient and to improve policies and procedures. I thank each of the SODAS board members for their contributions to this effort.

Please feel free to contact me, another board member or the Director of Alumni Relations, Annie Pearson, if you have any questions about the SODAS or if you have an interest in serving your great school as a member of our Board of Directors or on one of our committees.

Sincerely,

A handwritten signature in black ink that reads "Stephen F. Litton". The signature is written in a cursive, slightly slanted style.

STEPHEN F. LITTON, D.D.S. '67
President, School of Dentistry Alumni Society

Award-Winning Alumni



Patricia A. Bryan

Patricia A. Bryan

2009 Distinguished Dental Hygiene Alumna

Patricia Bryan has dedicated her life to the education of dental and dental hygiene professionals with a passion that has touched the lives of three decades of students.

Bryan received her G.D.H. from the University of Minnesota ('68) and a bachelor's degree in psychology from Metropolitan State ('74). She practiced dental hygiene in Mahtomedi, Minneapolis, St. Paul, and Edina before beginning her teaching career at the School of Dentistry in 1980. A four-time recipient of the Instructor of the Year Award, she currently is a teaching specialist in the Department of Developmental and Surgical Sciences, Division of Periodontology.

Bryan has a strong commitment to community outreach. In 1991, she received a \$5,000 grant from DNTL Corporation to purchase portable dental equipment for use in the school's outreach programs. She was an instructor and faculty advisor to dental hygiene students on the Jamaican Dental Mission, the Migrant Dental and Ottertail projects, and was also responsible for the design and implementation of a school fluoride and sealant program. She served as student council advisor, was involved in Careers in Dentistry, and was a member of the Division of Dental Hygiene's Admissions and Curriculum Committees for over twenty years.

A former president of the Minnesota Dental Hygiene Educators' Association (1989-91), Bryan is a member of the Minnesota Dental Hygienists' Association and the American Dental Hygienists' Association. She also served on the board of directors for the Youth Emergency Service and volunteers at the Jeremiah Program in Minneapolis where she provides daycare to allow single moms to attend post-secondary classes.



Michael A. Fuchs

Michael A. Fuchs

2009 Distinguished Dental Alumnus

With a commitment to compassion that has spanned decades of service to others, Michael Fuchs has made the world a better place in which to live.

He's served the profession as a trustee, board member and/or president of the South Dakota Dental Association (SDDA), its Foundation, the South Dakota Society of Orthodontists, the Midwestern Society of Orthodontists (MSO), and the American Association of Orthodontists Services, Inc. For these contributions he received high honors, including the SDDA's President's Citation (twice), its Distinguished Service Award (2001) and Humanitarian Service Award (1999), and the MSO's Earle E. Shepard Distinguished Service Award (2009).

He's also served his Huron, South Dakota community for decades. In the 1980s, his family opened its arms to 48 foster children, an experience Fuchs said enriched his life. In addition to spending *many* years as a hockey and little league coach, he's been an officer or board member of the city's Chamber of Commerce, Board of Education (nine years), hockey and little league associations, the Greater Huron Development Corporation, and the operating committee of the Huron Hotel and Convention Center. He served on the high school parent advisory board (10 years), and was the Mayoral choice to chair the Huron Event Center Building Committee and the Governor's appointment to the Board of Dentistry.

For these contributions he received numerous awards, among them the Huron Outstanding Young Citizen Award, the Mayor's Award for Excellence in Business, and the Sertoma Club's Service to Mankind Award.

A two-time graduate of the School of Dentistry ('74), Fuchs has practiced orthodontics since completing his orthodontic training ('76).

Upcoming Class Reunions & Events

REUNION/EVENT	DATE, TIME, LOCATION & CONTACT INFORMATION
Class of 1960	50 Year Reunion, Friday, April 23, 4:30 p.m., The Lexington, Dr. Blair Woolsey, Chair
Class of 1962	Friday, April 23, 12:00–2:00 p.m., Downtowner Woodfire Grill, St. Paul, Dr. Mark Holmes, Chair
Class of 1964	Saturday, April 24, 12:00 p.m., Saint Paul Hotel, Dr. James E. Indrehus, Chair
Class of 1965	45 Year Reunion, Friday, April 23, 12:30 p.m., Saint Paul Hotel, Dr. Lewis Pierce and Dr. Thomas McCarter, co-chairs
Class of 1970	40 Year Reunion, Saturday, April 24, 11:30 a.m.–2:00 p.m., Saint Paul Hotel, Dr. Dave Peterson, Chair
Class of 1977	Friday, April 23, (between sessions), Convention Cafeteria, Dr. Herbert W. Schulte, Chair
Dental Hygiene Class of 1980	30 Year Reunion, Saturday, April 24, 7:30 p.m., Pazzaluna, Ms. Mary Ammon, Chair
Class of 1985	25 Year Reunion, Friday, April 23, 6:30–9:00 p.m., Saint Paul Hotel, Dr. John Feist and Dr. George Noesen, co-chairs
Class of 1990	20 Year Reunion, Friday, April 23, 6:00–10:00 p.m., 317 Rice Park, Dr. Rob Kaufman, Chair
Delta Sigma Delta	Saturday, April 24, 1:00–2:00 p.m. (between sessions), Saint Paul hotel, Dr. Herbert W. Schulte, Chair
Minnesota Academy of Pediatric Dentistry	Friday, April 23, 6:00–9:00 p.m., Saint Paul Hotel, Dr. Teresa Fong, Chair
Dental Hygiene Alumni	Friday, April 23, 12:30–2:00 p.m., Eagle Street Grille, 174 W. 7th St., Luncheon, Ms. Emily Best, Event Contact. Sponsored by 1919 Society.
Orthodontic Alumni Association	Sunday, May 2, 5:00–7:00 p.m., Renaissance Washington Hotel, Washington D.C., Dr. Steve Litton, Chair

Celebrating a Reunion?

If you are interested in planning a class reunion, we can help! We can provide mailing lists, address labels, and nametags as well as list information about your class reunion on our website and in *Dentistry* magazine. Contact Annie Pearson at (612) 625-6164 or penno008@umn.edu for more information.



Graduation 2010: School of Dentistry Alumni Society Cap & Gown Graduation Fund

Be a part of the tradition! The School of Dentistry Alumni Society (SODAS) is continuing its annual fund drive for the 2010 Cap & Gown Graduation Fund. This fund supports graduating dental and dental hygiene students by covering the cost of their graduation caps and gowns, offering student awards, and sponsoring the senior class yearbook and the Senior Recognition Banquet.

You can be a part of this special project by sponsoring one or more dental or dental hygiene students at \$45 per student. This contribution is tax-deductible and will help to eliminate one financial worry for students as they wrap up their education and focus on final exams, board examination preparation and job searches. It also demonstrates our support for graduates as fellow alumni and welcomes them into the profession.

To make your donations, visit us online, www.dentistry.umn.edu/alumni, or call (612) 625-4635.

Your generosity will always be a part of the memories of the Class of 2010's years at the University of Minnesota School of Dentistry. *Thank you.*



PHOTO BY EMILY BEST

The dental hygiene class of 1959 celebrates its 50th year reunion at a reception at the McNamara Center on the University of Minnesota campus. Pictured are: (Front row, L to R) Carol Dickson Albrecht, Kathy Lindig Britz, Janice Reed Demilian, Marlys Erickson Peterson, Janet Shank Kinneberg, Lorna Underthun Godfrey, Lois Swenson Fredericks, and Virginia Hoff Bergvall. (Back row, L to R) Janelle James Anderson, Mary Warpeha Downey, Mary Jo Craig Keyworth, Joan Hackborn Hoover, Barb Jennikes Sullivan, Sandy Myer Robinson, Janice Pehrson Mann, and Judy Roberts Damp.

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 penmo008@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

Robert W. Johnson, Jr. (D.D.S.), Duluth, died October 19, 2009, at age 92. He practiced dentistry in Duluth for 39 years. Johnson was also a dentist for the U.S. Naval Reserve, retiring as a Captain after 28 years of service. He was a member of the Duluth District Dental Society, the Duluth Forum, and the Minnesota and American Dental Associations, and was active in the Duluth Rotary where he was a Paul Harris Fellow. In his spare time, he was an avid golfer and proudly shot three holes-in-one.

1943

James R. Little (D.D.S.), St. Paul, died March 2 at age 90. He was a member of the University of Minnesota Century Club Executive Council, president of the American Association of Dental Examiners (1974–75).

1952

E.V. (Gene) Schoener (D.D.S.), Winona, died November 7, 2009. The recipient of a Silver and Bronze Star with an Oak Leaf Cluster, he was a pathfinder, demolition specialist and rifleman with the U.S. Army Parachute Troops in New Guinea, the Philippines, and in Japan during World War II. Returning from his tour of service, he graduated from dental school and established his dental practice in Winona, where he lived for 57 years. Schoener was involved in his church and in DFL politics, as chair of the Winona County DFL Party (1968–70) and as a member of Negotiate Now during the Vietnam War. He served for 10 years as a caregiver with the Winona Area Hospice Coalition, and led two Winona County Cancer Crusades. He also chaired numerous committees at the district and state levels of the Minnesota Dental Association, and was president of the Southeastern District Dental Society. He retired from dentistry in 1992.

1955

Robert E. Nordby (D.D.S.), Robbinsdale, died December 9.

1957

Maurice W. Meyer (D.D.S.), Denver, Colo., died September 27, 2009 at age 84 after a distinguished career as a professor of dentistry, with appointments in the University of Minnesota School of Dentistry and the Medical School's Dept. of Physiology and Dept. of Neurology as director of the Center for Research and Cerebral Vascular Disease. Like many of his generation, his academic career was detoured by the start of World War II. Assigned to the Eighth Air Force, based in England, he served as a navigator on a B-17 bomber, flying 28 missions over Germany, including one for which he was awarded the Distinguished Flying Cross. He served in various parts of the world until 1950, then returned to earn his D.D.S. degree, after which time he established a part-time dental practice while also serving in the National Guard. He went on to obtain a Ph.D. and headed research in physiology in the School of Dentistry from the early 1960s into 1988. He studied the circulatory system and developed methods to assess changes in blood supply and flow in tissues subjected to surgical operations. His research allowed physicians to determine if blood vessels had reconnected after surgery, which led to a greater understanding of the cardio- and cerebrovascular systems.

1961

Warren W. Hunt (D.D.S.), Lakeville, died in November, 2009. Hunt served in the U.S. Navy aboard the U.S.S. Lowry and the U.S.S. Moale from 1952–55, returned home to marry and graduate from dental school, and opened his own practice in 1962 in West St. Paul. He practiced dentistry in Minnesota and in Arizona until his retirement in 2005. A committed volunteer, he was president of the School of Dentistry Alumni Society (1972–73); president of the St. Paul District Dental Society (1976); member of the Board of Directors of Delta Dental of Minnesota (1979–89) and its chair (1987–89); and was a member of the Minnesota Unit of the American Society of Dentistry for Children. A perpetual student of music, literature and art, he was a regular patron of local theatres, museums and jazz clubs. He was also a skilled golfer and duplicate bridge player, and ran his first marathon at the age of 45 and the Boston Marathon in 1979 in 3 hours 23 minutes—the same year he shot a hole-in-one in golf.

1967

Frederick P. Kalinoff (D.D.S.), Stillwater, will receive the Minnesota Dental Association's 2010 Outstanding Service Award at the *Star of the North Meeting* in St. Paul, in April. The award recognizes his unwavering commitment to service to the people living in remote areas of Mexico.

Stephen F. Litton (D.D.S.), Golden Valley, received the 2009 University of Minnesota Alumni Service Award. (See story, page 2)

Donald O. Nordstrom (D.D.S.), Missoula, Mont., died on December 5, 2009, the result of complications from surgery. Nordstrom graduated from dental school, served in the U.S. Army as a dentist with tours in



Donald Nordstrom

Korea and Colorado, and returned from service to earn a master's degree in pediatric dentistry from the University of Iowa. He practiced for 37 years in Missoula, and loved his work with children. An avid outdoorsman, he enjoyed being in the mountains, whether he was horsepacking, camping, hunting, fishing, rafting or skiing. He also enjoyed ocean fishing and hunting in Alaska, a host of sports, including hockey—the sport he played in high school and returned to play in the “60-ish” league. He served the dental communities in many capacities, as a member of the American Dental Association and the Montana Dental Association, the American Academy of Pediatric Dentistry, and as a fellow in the American College of Dentistry and the International College of Dentistry.

1968

Mark T. Jaspers (D.D.S.), Iowa City, Iowa, died suddenly on October 29 at age 68. A three-time graduate of the University of Minnesota, Jaspers earned his B.A., D.D.S. and an M.S. in oral pathology ('77), and was an associate professor at the University of Iowa College of Dentistry in Oral and Maxillofacial Surgery. He was also a 35-year member of the Omicron Kappa Upsilon National Dental Honor Society and a retired Naval Commander in the U.S. Navy.

1970

Ronald Leach (D.D.S.), LeCenter, will receive the Minnesota Dental Association's 2010 Outstanding Service Award at the *Star of the North Meeting* in St. Paul in April.

1976

James A. Benson (D.D.S.), Maple Grove, lost his life in a tragic car accident in Texas on March 23. He was 58 years old. A ‘do anything for anyone’ kind of person, he was a much appreciated adjunct faculty member in the undergraduate endodontic clinic at the University of Minnesota School of Dentistry. A strong supporter of the dental school, he was a talented teacher and mentor, and a man of great compassion who will be sadly missed.

1978

Mark Jurkovich (D.D.S.), Chisago City, will receive the Minnesota Dental Association's 2009 President's Award at the *Star of the North Meeting* in St. Paul in April.

1978

Colonel Mark Malmberg (D.D.S.), Oaks, N.D., assumed Command of the 114th Medical Group in the South Dakota Air National Guard in November at a Change of Command Ceremony at Joe Foss Field in Sioux Falls, S.D. Malmberg joined the U.S. Navy Reserve as an ensign while in dental school. Upon graduation, he went on active duty as a lieutenant in the U.S. Navy Dental Corps at the Naval Regional Dental Center, Naval Training Center, Orlando, FL (1978–81).



Mark Malmberg

He was in the U.S. Navy Reserve, inactive from 1981–90, and in private dental practice in Oakes, N.D. from 1981–present. In January 1996, he joined the South Dakota Air National Guard as a dentist with the rank of major in the 114th Medical Squadron.

1980

Mahmoud El Deeb (M.S. and certificate–Endodontics), Cairo, Egypt, passed away September 16, 2009. A former associate professor and director of the Graduate Program in Endodontics, he worked at the School of Dentistry from 1980–98, teaching endodontic undergraduate preclinical and clinical courses, as well as graduate courses. He also lectured internationally and, during years of private practice, continued to practice the skills he taught. He later returned to education as the head of Endodontics at Misr International University in Egypt. Well respected, and with research quoted in all major endodontic reference books, he will be remembered most of all for his kindness. His absence will be felt not only by his family and endodontic alumni, but also by the many dental students he taught and the many, many friends he made.

1992

John T. Zupancic (D.D.S.), Hibbing, is a dental officer with the Minnesota Air National Guard 148th Fighter Wing in



John Zupancic

Duluth. Lt. Col. Zupancic is currently deployed to Sather Air Base in Baghdad, Iraq, in support of Operation Iraqi Freedom. He is serving as the dental officer at the United States Forces Hospital, Baghdad.

2000

Matthew R. Nelson (D.D.S.), Blaine, received the prestigious Fellowship Award from the Academy of General Dentistry (AGD). To qualify for the award, Nelson completed 500 hours of continuing education, passed a comprehensive written exam, and fulfilled three years of continuing membership with the AGD. The Fellowship Award symbolizes excellence in the dental profession and a commitment to providing exceptional patient care. Nelson was the only dentist in Minnesota to achieve this distinction in 2009.



Matthew R. Nelson

Thomas W. Smyth (D.D.S.), New Prague, will receive the Minnesota Dental Association's 2010 New Dentist Leadership Award at the *Star of the North Meeting* in St. Paul, in April.

2009



Sandra Shambarger (Endodontics), Little Rock, Ark., and her root canal patient at the Little Rock Zoo.

UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION
Where members are ambassadors

I'm a member.
I'm an ambassador.

When you're a member of the University of Minnesota Alumni Association, you're an ambassador for all the important work the University does. I'm an ambassador because the School of Dentistry graduates dental professionals who provide the highest quality of care and service to the people of Minnesota and the world.

Support the U and the School of Dentistry Alumni Society by becoming a member. Visit www.MinnesotaAlumni.org/Dentistry or call 612-624-9658. Campaign code **NPIDN** ensures the School of Dentistry benefits from your membership.

Dr. Mark Kleive, DDS '97
School of Dentistry
Alumni Association Life Member

Events Calendar

APRIL 2010

April 22
School of Dentistry Alumni Society Board Meeting

April 23
Dean's Reception & Alumni Award Recognition
5:30 p.m. to 8:00 p.m.
Saint Paul Hotel
St. Paul, Minn.

For information:
(612) 626-4184

April 22-24
Star of the North Meeting
Saint Paul RiverCentre
St. Paul, Minn.

For information:
(612) 767-8400

April 24
University of Minnesota Alumni Association Annual Celebration
with special guest speaker,
Katie Couric
Mariucci Arena
Minneapolis, Minn.

For information:
www.MinnesotaAlumni.org

April 28-30
Montana Dental Association Annual Meeting
Missoula, Mont.

Annual Session information:
(406) 257-4988

MAY 2010

May 13
School of Dentistry Senior Banquet & Awards Ceremony
(for DDS students, by invitation only)

Awards Ceremony: 5:00 p.m.
Banquet: 6:00 p.m.
Program: 7:00 p.m.

Nicollet Island Pavilion
40 Power Street
Minneapolis, Minn.

For information:
(612) 625-8947

May 13-15
South Dakota Dental Association Annual Meeting
Rushmore Plaza Holiday Inn and Civic Center
Rapid City, S.D.

University of Minnesota School of Dentistry Breakfast for Alumni & Friends
May 15
7:00 a.m. to 9:00 a.m.
Rushmore Plaza Holiday Inn

Annual Session information:
(605) 224-9133
Alumni Reception information:
(612) 625-4635

May 14
School of Dentistry Graduation

2:00 p.m.
Northrop Auditorium
University of Minnesota
Minneapolis Campus
Minneapolis, Minn.

Commencement Speaker:
Linda Niessen, D.D.S., M.P.H., M.P.P.

For information:
(612) 625-8947

JULY 2010

July 9
School of Dentistry Senior Banquet
(for dental hygiene students, by invitation only)
5:00 p.m.
St. Anthony Main Event Center
219 Main Street S.E.
Minneapolis, Minn.

For information:
(612) 625-8947

July 30
16th Annual School of Dentistry Alumni Society Golf Classic
8:00 a.m. Shotgun Start
Majestic Oaks Golf Club
701 Bunker Lake Blvd.
Ham Lake, Minn.

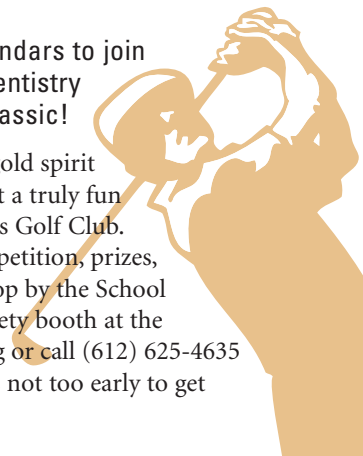
For information and registration:
www.dentistry.umn.edu/alumni

16th Annual Golf Classic

Friday, July 30, 2010

Please mark your calendars to join us for the School of Dentistry Alumni Society Golf Classic!

Show your maroon and gold spirit on Friday, July 30, 2010 at a truly fun event at the Majestic Oaks Golf Club. Enjoy some friendly competition, prizes, and a barbecue lunch. Stop by the School of Dentistry Alumni Society booth at the Star of the North Meeting or call (612) 625-4635 for more information. It's not too early to get your foursome together!



SEPTEMBER 2010

September 16-18
North Dakota Dental Association Annual Session
Holiday Inn Riverside
Minot, N.D.

For Annual Session information:
(701) 223-8870

University of Minnesota School of Dentistry Alumni Reception
September 18
7:00 a.m. to 9:00 a.m.
Holiday Inn Riverside
Minot, N.D.

For Alumni Reception information:
(612) 625-4635

September 26-October 3
Homecoming Week
Homecoming Game: October 2
Minnesota Gophers vs. Northwestern

OCTOBER 2010

October 8
White Coat Ceremony
3:00 p.m.
Coffman Union Great Hall
University of Minnesota
Minneapolis Campus
Minneapolis, Minn.

For information:
(612) 625-8947

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).

MAY 2010

Core Competency Day for the Dental Team
May 14, 2010

JUNE 2010

Dental Hygiene Refresher: A Hands-On Program
June 7–11, 2010

Practical Periodontics: A Hands-On Nonsurgical Program
June 16–18, 2010

JULY 2010

Current Concepts in Aesthetic Dentistry & Sports Dentistry: Duluth, Minnesota
July 17–18, 2010

AUGUST 2010

10th Annual Oral and Maxillofacial Surgery Review
August 14–15, 2010

45th Annual Dental Assistants' Seminar
August 20–21, 2010

SEPTEMBER 2010

Clinical Grand Rounds: Endodontics
September 9, 2010

Fall Dental Hygiene Seminar
September 10, 2010

Restorative Materials Update: 2010
September 17, 2010

Restorative Expanded Functions: Weekend One
September 17–19

TMD and Orofacial Pain Miniresidency
September 20–22, 2010

4th Annual Robert J. Feigal Symposium: The Relationship Between Systemic Disease and Oral Health in Children
September 24, 2010

Advanced Periodontal Instrumentation: Simulation with Ultrasonic & Hand Instruments
September 25, 2010

Miniresidency in Nursing Home and Long-Term Care for the Dental Team
September 29–October 2, 2010

OCTOBER 2010

Drugs, Bugs & Dental Products: What to Prescribe
October 1, 2010

Clinical Grand Rounds: TMD and Orofacial Pain
October 7, 2010

University Gold Orthodontic Study Club: Session One
October 8, 2010

Restorative Expanded Functions: Weekend Two
October 8–10, 2010

16th Annual Practice Management Symposium Looking Forward: You Can't Change the Past, But You Can Influence the Future
October 15, 2010

Nitrous Oxide/Oxygen Inhalation Sedation: A Training Program
October 15–16, 2010

Health, Safety Protection & Infection Control in the Dental Office
October 16, 2010

Dentistry's Role in Managing Pain & Sleep Disorders
October 22, 2010

Occlusion & Function—Postgraduate Program in Esthetic Dentistry: Level III
October 22–24, 2010

Office Oral Surgery: A Guided Experience for the General Dentist
October 25–26, 2010

Recordkeeping Workshop for the Dental Team
October 28, 2010

The Total Endodontic Experience: Mastering Competence, Consistency & Confidence
October 29, 2010

Making Rotary Endodontics Safe, Simple and Efficient: A Mastery Level Workshop
October 30, 2010

NOVEMBER 2010

Clinical Grand Rounds: Oral Pathology
November 4, 2010

Esthetic Removable Partial Dentures—Postgraduate Program in Esthetic Dentistry: Level III
November 4–6, 2010

Dental Management of Medically Compromised Patients
November 5, 2010

Winter Dental Assistants' Seminar
November 6, 2010

University Gold Orthodontic Study Club: Session Two
November 12, 2010

Postgraduate Program in Esthetic Dentistry: Level I (Weekend One)
November 12–14, 2010

Postgraduate Program in Esthetic Dentistry: Level II, Course One—Advanced Diagnosis, Treatment Planning & Photography
November 12–14, 2010

Core Competency Day for the Dental Team
November 19, 2010

Restorative Expanded Functions: Weekend Three
November 19–21, 2010

For more information:

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

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2009 Donors

Dear Friends,

For the School of Dentistry, 2009 was a watershed year, financially, strategically and operationally. For that reason and for so many others, it was gratifying that our alumni and friends continued their strong support for the school despite the challenging financial times.

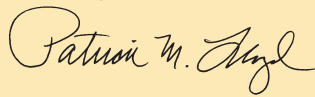
Many of you made generous commitments to endow funds that perpetuate your support for a variety of special purposes that benefit students, faculty and patients. To those who contributed to the Dentistry Fund for Achievement and the Dental Hygiene Fund through our annual telemarketing appeals by students and in response to our mail efforts, I extend a special thank you. Your support of the Fund for Achievement provides a resource I can draw on to invest in unanticipated opportunities to support students, staff, faculty, and alumni activities, and to fill-in gaps in other funding sources. Your support for the Dental Hygiene Fund advances opportunities for our dental hygiene students and program initiatives.

One of our top funding priorities this year has been to generate support for student research. For more than 40 years, our Summer

Research Fellowship Program has enriched the education and enhanced the careers of hundreds of students. Recently, funding from federal and grant sources has declined, compromising our ability to sustain this value-added educational experience for students. We announced a Student Summer Research Campaign to encourage donations to sustain the program and our early results are encouraging. To-date, we've reached over a third of our \$600,000 goal.

Your generous philanthropic support is vital to our continued success and leadership as a dental school. Thank you for your gifts in 2009. I hope that you will renew your support in 2010. As always, we continue in our commitment to setting the standard in dental education, research and service, and promise to be good stewards of your support.

Sincerely,



PATRICK M. LLOYD, D.D.S., M.S.
Dean

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Richard (Ph.D., '70) and Nancy Christiansen are generous benefactors to several dental schools with which Dick has been associated.

Dr. Christiansen has fond memories of his mentors, research colleagues and friends at the University of Minnesota.

In recognition of the importance of dental research and in tribute to his years at the University of Minnesota, he and Nancy are pleased to establish the *Dr. Richard L. and Nancy M. Christiansen Endowed Lectureship for Craniofacial Research and Education.*



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