

Dentistry

FOR ALUMNI OF THE SCHOOL OF DENTISTRY

FALL 2006



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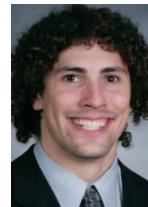
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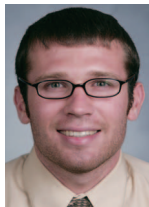
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Langton-Yanowitz Sorja Mae

Admission Quest
 Getting into dental school: It's not your great-grandfather's admission process anymore.



from the Dean

PHOTO BY RICHARD ANDERSON

Dear Colleagues,

It's really happening! As you're reading this message, the school's pre-clinical labs are undergoing a complete transformation. Lab benches are out, shelves that held examples of ideal tooth preparations are gone, walls that separated the individual rooms are down, and floor tiles have been removed. There is literally no evidence left that this 12,000 square foot area on the fourth floor of Moos Tower was a place where thousands refined their eye-hand coordination, learned about dental anatomy, and were introduced to the basics of dental procedures.

Thanks to the efforts of many, specialized equipment that's been designed and tested to meet the learning styles of students raised in the digital age will be installed and calibrated. Manufacturers from across the country and around the world will be here to make certain each of their components is properly linked into the main platform.

This is the single largest remodeling project in the school since Moos Tower was built in 1972. It marks a period in our history when we take a new approach to educating our future colleagues. Advanced technologies that were on the drawing board a decade ago will now be part of our education process. Computer-based instruction, self-paced programming, and interactive problem-solving will be the catch phrases of our new education system. And it all starts with the renovation of our pre-clinical labs!

Added to the excitement of new technologies and approaches to education is the support we've received from our staff, faculty, alumni and corporate partners. Through the generous donations of many, we're more than half-way to reaching the financial goals of the project. Now, it's time for our alumni to step forward. As we move into the next phase of our fund-raising efforts — grassroots contacts with people around the state — I look

forward to sharing the details of our planning and the goals we have set for ourselves so that more people can be caught up in the enthusiasm and support the project.

So that you can be part of this transformation and feel the excitement, take some time to visit our Web site at www.dentistry.umn.edu. There's a photo album that documents the construction process and shows our progress in each step of the renovation. The Web site provides other news of the school, as well. It's a way to stay connected or get reconnected. As informed alumni, you're able to share with others what's on the horizon for our students and the profession, and serve as an advocate for the institution.

We're on track to complete renovation of our new simulation clinic by April 1st next year. Classes are already scheduled and students will begin using the facilities immediately upon completion. Plans are also being made, now, to schedule continuing education courses in the clinic so that dentists and dental hygienists in the community can also benefit from the renovation.

It is our goal to use and showcase the facility so that our students, staff, faculty, alumni, and friends can be proud of what the school is doing and where it's going.

Sincerely,

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

Dean

Professor, Division of Prosthodontics

Congratulations are in order!

For the second year in a row, our Minnesota chapter of the American Student Dental Association (ASDA) received the *Ideal ASDA Chapter Award*. Minnesota chapter president Ryan Ritchie and eight Minnesota ASDA members accepted the award, the most prestigious presented to an individual ASDA chapter, at the national organization's 36th annual meeting in Baltimore, Maryland. The U-M chapter was also named *Ideal Legislative Grass Roots Network Chapter* and Ritchie was named District 8 Delegate of the Year.*

Also elected were: Ryan Ritchie to the ASDA Board of Trustees for District 8; Abby Pershke as Consultant on the American Dental Political Action Committee; and Lindell Kemmet as Consultant on Licensure.

*District 8 represents dental students at Creighton University School of Dentistry in Nebraska and at the Universities of Iowa, Minnesota, Missouri and Nebraska.

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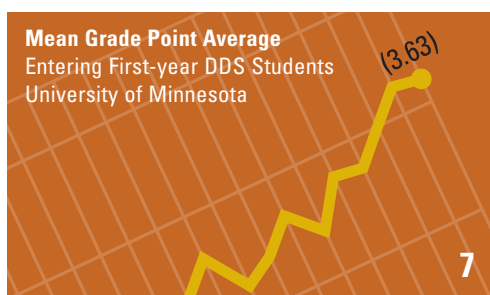
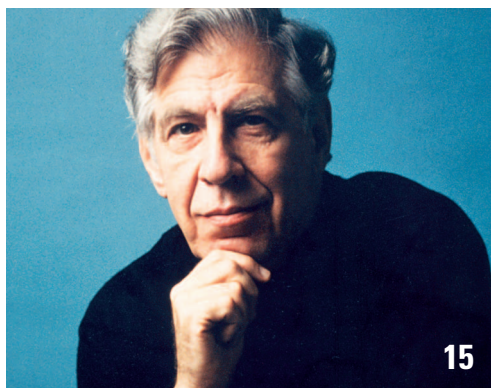


PHOTO BY RICHARD ANDERSON



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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.

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News Bites

Delta Dental of Minnesota Donates \$450,000 to Support New Outreach Dental Clinic in Willmar

The University of Minnesota School of Dentistry has received a gift of \$450,000 from Delta Dental of Minnesota to support service learning opportunities for dental and dental hygiene students and enhanced access to care for underserved and uninsured Minnesotans at the Rice Regional Dental Clinic to be built in Willmar. Distributed over a three-year period, the gift will also support interprofessional educational programs for dental students, which will be developed by the school and Rice Memorial Hospital.

For about a year, officials at the Willmar hospital have been planning a 10-chair dental clinic that would serve the 12-county region. According to Patrick Lloyd, dean of the School of Dentistry, the hospital approached the dental school last year about a partnership. "They wanted to build a dental clinic in the hospital complex to expand access to care for underserved area residents and proposed that our students provide those patient services," says Lloyd. "They also saw the clinic as a way to interest young dental professionals in relocating to rural areas of Minnesota after graduation."

After consulting with the Minnesota Dental Association and area dentists, the school made a long-term commitment to the clinic.

For the dental school, the clinic will also provide new clinical and interprofessional learning experiences for students. "As a hospital-based program, there will be unique opportunities for dental, medical, nursing and pharmacy students to train together," says Lloyd. "The increasing complexity of patient care for an aging population requires that professionals work together across the full spectrum of health care disciplines."

"We are pleased to support a program that provides underserved Minnesotans in greater Minnesota enhanced access to dental care," says Sheila Riggs, president

and CEO of Delta Dental of Minnesota. "We are also pleased this program exposes students to other broader health-related disciplines. Dentists have long known there's a connection between oral health and general health. And breakthrough research—some of it being conducted at the U-M School of Dentistry—is documenting those links between oral pathogens and systemic health."

The \$1.26 million training site also has the backing of the U-M's Academic Health Center (AHC) which received a grant to create the Area Health Education Center (AHEC). AHEC is a statewide network of communities and academic institutions that supports regional partnerships and rural health educational opportunities as a way to improve access to primary care through local solutions to health concerns. With an AHEC regional center already operating at Rice Memorial Hospital, the dental clinic is a model for how academic and community partnerships can address health workforce challenges. Says Lloyd, "This clinic is the right idea in the right place at the right time."

He also sees it as a community-builder. Says Lloyd, "Citizen access to health care services is crucial to maintaining the economic viability of every community. This is an innovative and pragmatic approach to providing care for area residents, providing a quality educational experience for students, and a viable strategy for attracting young health care professionals into the community."

Plans are for the hospital-owned and operated clinic to be staffed by senior U-M dental and dental hygiene students. They will spend two weeks in the clinic treating patients under the supervision of an area dentist who will have a faculty appointment in the dental school. The goal is to be up and running in Fall 2007.

New Help for Seniors

Dignitaries galore were on-hand to celebrate the opening of the Walker Dental Clinic in south Minneapolis on May 25, 2006. The new, two-chair clinic will provide expanded training opportunities in geriatrics, interprofessional care, and cultural competency education for dental, dental hygiene and graduate students. It will also enhance patient access to geriatric care in the Minneapolis west metro area. Students will treat patients under supervision of School of Dentistry faculty in the Oral Health Services for Older Adults (OHSOA) program.

A new curriculum in cross-cultural health care will also be piloted, with School of Dentistry students joining their

Academic Health Center colleagues in geriatric grand rounds and other training activities. Based in the Walker Methodist Health Center, the clinic currently serves as the home of geriatric rotations for students and residents from the Schools of Medicine, Nursing and Pharmacy.

The Walker Dental Clinic is a collaborative initiative of the dental school's OHSOA program, Walker Methodist Senior Services and the Wilder Foundation of St. Paul. The three organizations share a \$241,000 Minnesota Department of Health grant which helped fund the clinic's construction, staffing, and start-up costs.

Award Winning Educators Elected to Top Leadership Positions

It's been a banner year for the School of Dentistry. In September, the Minnesota Dental Association named graduate Richard Wiberg as association president. Last October, a School of Dentistry graduate and former dental school instructor, Robert Brandjord, was elected president

of the 152,000-member American Dental Association. And this spring, three School of Dentistry faculty members were elected to national leadership positions for some of the profession's most respected organizations.

In April, James Swift was named president-elect of the American Dental Education Association (ADEA), the nation's leading organization for dental education. A respected educator, author and lecturer, Swift is currently director of the School of Dentistry's Division of Oral and Maxillofacial Surgery.

In May, Michael Rohrer was elected president of the American Academy of Oral and Maxillofacial Pathology. Rohrer is director of the Division of Oral Pathology at the U-M School of Dentistry. He also directs the dental school's Hard Tissue Research Laboratory.

Also elected in May was Nelson Rhodus as president of the American Academy of Oral Medicine. Rhodus directs the dental school's Division of Oral Medicine,



PHOTO BY TIM RUMMELHOFF

Simulation Clinic Under Construction

Dean Patrick Lloyd and fourth-year dental student Katie Stewart review plans for the school's new Simulation Clinic as construction begins in the background. The new \$10.5 million training facility for first- and second-year dental students will feature 100 individual work stations equipped with lifelike mannequins, realistic operatory equipment and flat screen monitors, plus 20 advanced workstations with virtual reality-based technology. The new clinic will help prepare students for a seamless transition from preclinical labs into patient clinics. Construction began in August, fortified by a bridge-loan from the University while fund-raising for the new facility continues. The proposed completion date is September 2007.



PHOTO BY TIM RUMMELHOFF

◀ (L to R) James Swift, Michael Rohrer and Nelson Rhodus.

The Center of Attention

A renovation of the Center for Contemporary Dentistry will give all dental students a chance to hone their clinical skills with top-of-the-line equipment and instruction.

BY ERIN PETERSON



When Rania Habib settled into one of the brand-new dental chairs installed as part of the expansion of the School of Dentistry's Center for Contemporary Dentistry, she pronounced it the most comfortable dental chair she'd ever tried. But as a second-year dental student, Habib eyed the operatory—one of five filled with the latest dental technology and equipment—with even greater delight. “This looks a lot more like a [private office] dental clinic than the eighth and ninth floors, where it's more student oriented,” she says. “Everything here is ergonomic, and there's cutting-edge technology. It's a lot more like the real world, and that's really exciting.”

A few other students who had arrived to take a sneak peek at the renovation earlier this summer were similarly enthu-

“Everything here is ergonomic, and there's cutting-edge technology. It's a lot more like the real world, and that's really exciting.”

— RANIA HABIB,
SECOND-YEAR DENTAL STUDENT

siastic. They had good reason: the new teaching center is one of the most technologically advanced in the nation, and with five operatories, every dental student

will spend approximately two weeks training there. The renovation and expansion represents a significant improvement over the original facility, built in 2001.

The new center, which opened this fall with the support of Patterson Dental Supply, is not only a step forward for the University's dental program, but a commitment to providing students opportunities for years to come. “Our goal is to prepare students as they look to starting their own practices,” says Patrick Lloyd, dean of the School of Dentistry.

The Latest Technology

One of the challenges of training dental students is preparing them for the different equipment they'll be using when they enter practice. Although it's a financial impossibility for any dental

PHOTO BY RICHARD ANDERSON





What does your dentist see when you “open wide”? Intraoral cameras combine digital technology, leading camera systems and wireless connectivity to aid in diagnosis and documentation of a patient’s oral health status. Patients, too, can see those chips and cracks and cavities. The integrated flat-screen monitor displays images, with video ‘freeze’ and ‘save’ commands conveniently performed from the foot control.

school to equip hundreds of teaching operatories with the latest technologies, it’s crucial for students to understand these technologies in order to gain an edge when they join a practice. Thanks to Patterson Dental, which helped design and equip the new five-chair center, every dental student will get to spend time testing out the latest equipment before they begin their careers. State-of-the-art chairs, delivery systems and infection control, and a variety of other technologies are all included in the center.

The new hydraulic A-dec chairs, for example, have a range of features, including an electronic touchpad that operates the chair as well as an integrated scaler and intraoral camera. A curing light for the assistant is also integrated into the system. An electric handpiece,

which offers significantly improved torque and less heat than air-powered handpieces, is another improvement.

“Of all the schools in the country, this facility may be one of the most cutting-edge dental technology experiences for dental students.”

— DEAN PATRICK LLOYD

Both rear and side delivery systems are available in the new center. Digital radiography and monitors will allow students to develop, share, and enhance images quickly, and a new CAD/CAM

system will allow them to create restorations for patients while they’re in the clinic, minimizing the need for “temporaries” and return visits.

Providing a top-notch sterilization area and state-of-the-art infection control was also a priority. Because sterilization in the student clinics is a function performed by School of Dentistry staff, many students have not had an opportunity to see the process of instrument sterilization first-hand. But in the new center, students will become familiar with the various aspects of the process, from the toe-kick operated cabinet doors where cassettes are stored, to the state-of-the-art autoclave, washer-disinfector, and hand-piece maintenance system. In addition, operatories feature knee-kick and toe-kick cabinets and sinks to help maintain a sanitary work environment. ☺

Helping students achieve proper posture was a key consideration as the center was being designed and equipped, says Judith Buchanan, associate dean of Academic Affairs. “Ergonomic considerations are extremely important for the longevity of dentists’ practices,” she says. “There is a way to sit, hold instruments and position yourself around a patient to provide the best field of vision and instrument control, and the greatest dentist and patient comfort. Students will be able to try different systems and see what works best for them and their patients.” Ergonomically efficient chairs and delivery systems will also be a boon for students first learning to treat patients for hours at a time.

For fourth-year dental student Kent Archibald, it’s a perfect combination. “We have a lot of this technology in other places in the school, but it’s all spread out,” he says. “Here we’ve got it all [in one place], and it’s all the things that we will have in our private practice.”

Lloyd says it’s rare for students to have this sort of opportunity at dental school. “Of all the schools in the country, this facility may be one of the most cutting-edge dental technology experiences for dental students,” he says.

Providing Opportunities

Up until now, students haven’t had regular access to the clinic, partly because the original two-operatory facility was small. “We couldn’t afford to dedicate a faculty member and a dental assistant for just two students,” says Lloyd. Juggling class and clinic schedules to rotate students,

Dental Auxiliary Utilization Program (DAU) will be based in the clinic. Says Skaar, “The DAU program provides senior dental students with the clinical opportunity to treat patients while working with a trained chairside dental assistant. Every dental student will be in the clinic for approximately two weeks during their fourth year as part of their DAU experience.”

The new center will also benefit many of the 6,000 or so practicing dentists who participate in the dental school’s continuing education programs annually. “Our continuing education programs help dentists get experience with new procedures and technologies,” he says. “And if Patterson or A-dec has a client looking to buy a piece of equipment, we invite them to come down and look at it in our center.” Lloyd is hopeful that the successful partnership with Patterson—a company based in the Twin Cities—and the University may lead to other fruitful collaborations with companies that can help enhance dental students’ experiences.

Scott Anderson, president of Patterson Dental Supply, says that the partnership will pay dividends to both the University and his company. “Students will get the opportunity to experience dentistry at the highest level of efficiency and productivity,” he says. “By working with the finest dental equipment and software available, they will be able to see for themselves the advantages of digital technology. We are excited that all dental students will be able to use this equipment.”

As students use the center for years to come, both Buchanan and Lloyd expect that the center’s equipment will keep pace with the latest technology. “The plan is always to have the latest offerings here, from technology to software,” Buchanan says. Patterson has agreed to swap out old equipment with newer models as they become available.

So whether you’re a dental student preparing for a career, a practicing dentist considering continuing dental education programs at the university, or even a patient climbing into one of the center’s comfortable ergonomic chairs, it seems that everyone in the new Center for Contemporary Dentistry is sitting pretty. ☺

“Students will get the opportunity to experience dentistry at the highest level of efficiency and productivity.”

— SCOTT ANDERSON, PRESIDENT
PATTERSON DENTAL SUPPLY

two at a time through the clinic, was also problematic. The new center, however, will be well utilized. “Because of the increased size and greater number of treatment operatories, we are able to have five students in the clinic at once and can assign full-time faculty support,” explains Lloyd. After a community-wide search, David Klein (’86) of Bloomington was hired as director of the new Center for Contemporary Dentistry. Area practitioners Susan Gross (’82) of St. Louis Park, Karl Self (’84) from Minneapolis, and Chris Lawther (’79) of Blaine will also teach there.

In addition to introducing students to emerging technologies, another goal of the program is to give students a more accurate representation of what it will be like when they join a practice, including how to work as a team. According to Dan Skaar, interim chair of the Department of Primary Dental Care, the school’s

Equipment from the following companies is featured in the Center for Contemporary Dentistry:

- A-dec, Inc.
- A-dec/W & H
- Air Techniques Inc.
- Eaglesoft
- Hu-Friedy
- Midmark Corp
- Patterson Computer Systems
- Planmeca Inc.
- Porter Instrument Co., Inc.
- Schick Technologies, Inc.
- Sci Can
- Seiler Instruments
- Sirona Cerec 3D

Many of the innovations offered in the new center will benefit patients. The patient chairs, as Habib discovered first hand, are far more comfortable than other models. A variety of education videos in easy-to-understand language will also be available for patients to learn about treatments ranging from root canals to removal of third molars. In addition, patient records will be electronic, which will provide better access for other dentists and specialists, if needed.

Admission Quest

Getting into dental school: It's not your great-grandfather's admission process anymore.

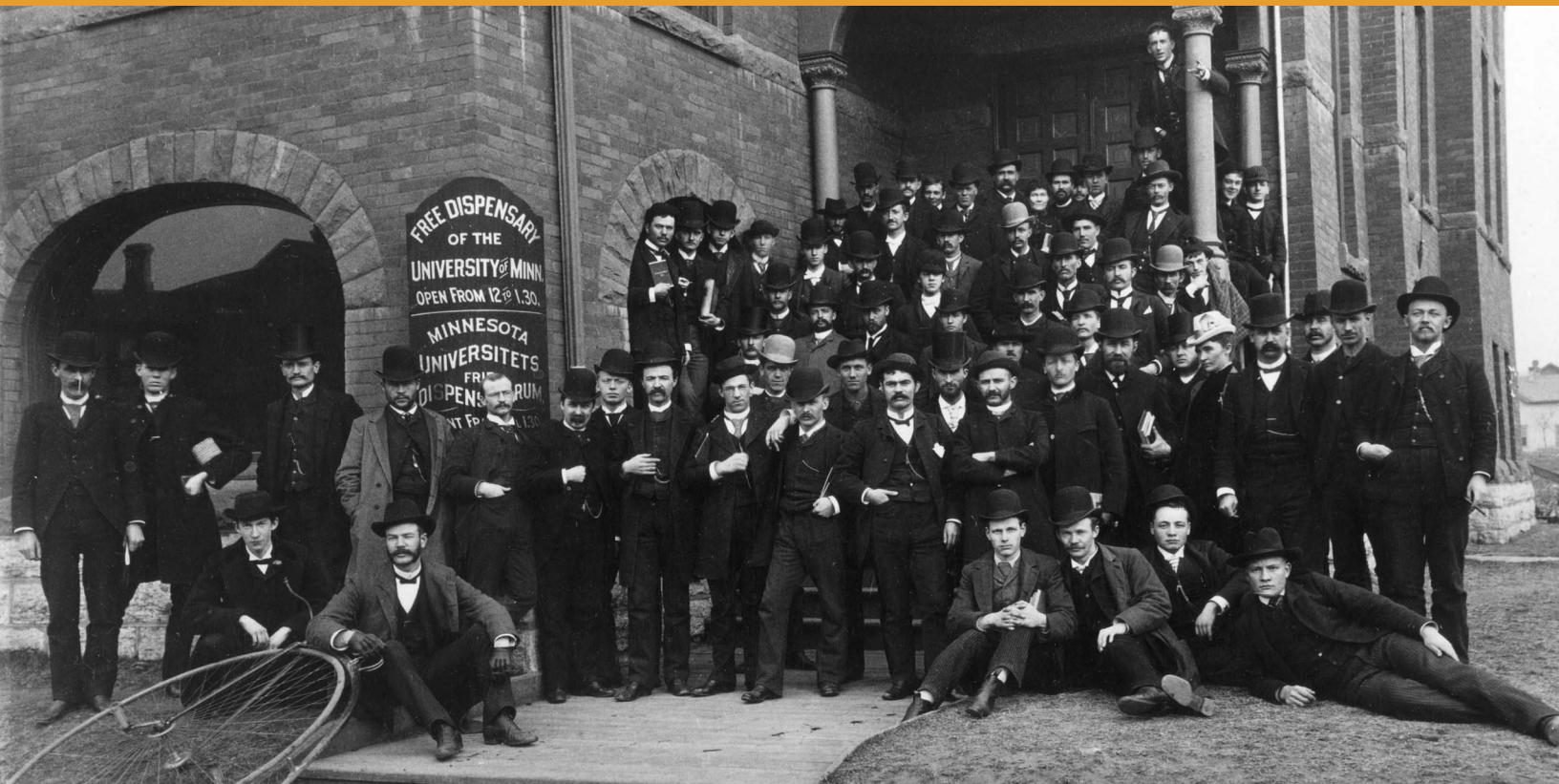


PHOTO COURTESY UNIVERSITY OF MINNESOTA ARCHIVES.

In 1888, the disciplines of medicine, homeopathy and dentistry merged under one administrative roof called the University of Minnesota Department of Medicine. That first teaching year, 22 students registered

in the College of Dentistry. Among them was Edgar Marshall, a barber from Plainview, Minnesota, and Edith White (*first row standing, fifth person from the right*) an adventurous traveler, fencer and mountain climber.

BY TERRI PETERSON SMITH

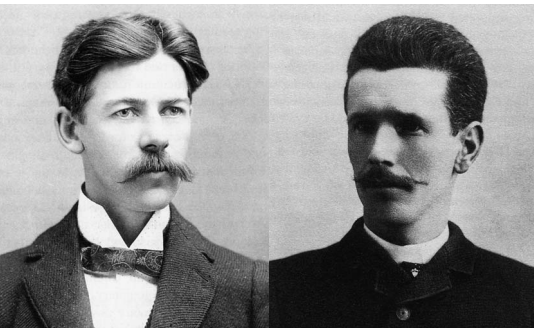
If being focused and goal-oriented is a key to getting into dental school, Heather Horton has it in spades. The first-year student has known what career she wanted since she interviewed an orthodontist for a class project during middle school. Having braces as a kid just brought her closer to her chosen profession.

As an undergraduate, she did everything she could to prepare to apply to dental school. “The biggest thing was

to cover the recommended class list, the required classes. I was a math minor, so math wasn't a big problem. I took everything on the list except neuroscience and drawing. I played the piano for 18 years, so I knew I had the dexterity I needed. I took the DAT after organic chemistry classes my sophomore year, so the subject was fresh.” She also worked full time for the last two summers for an orthodontist, alumnus Steve Kristo ('86, '88) in Eau Claire. So, when it came time to apply to dental school, she had her “ducks in a row.” She says, “Applying

to dental school is hardest for people who don't know what they want to do. At the end of their junior year they have to scramble.”

While that was an impressive workload, there was more. Horton simultaneously pursued athletics, and with equal determination. She ran on the U-M women's cross-country team and on the women's track and field team, which won the Big Ten title for the first time ever this year. “We had a team of over-achievers,” she says. “The team GPA was a 3.6. They were very dedicated to academics.”



Edgar H. Marshall (*left*) and Gainsford Ridgeway were members of the 1888 inaugural class in the College of Dentistry. Ridgeway, the College's first and only 1889 graduate, had attended the Minnesota Hospital College for two years and had an M.D. degree. Marshall, a former barber, graduated in 1891.

Admission Standards Circa 1888

Prior to 1888, few Minnesota dentists had a university education. The majority trained at proprietary schools or apprenticed with a regarded mentor. In 1888, professional dentistry in Minnesota affiliated with the University, establishing a strong scientific foundation for its educational program and enhanced standards for admission.

To enter a college of the Department of Medicine*, one had to (1) write a 200-word English composition; (2) have a knowledge of Latin or pass an examination in German, French, or a Scandinavian language; (3) pass an examination in the elements of algebra, plane geometry, or botany; and (4) show knowledge in elementary physics.

No examination was required for matriculants or graduates of any reputable college of "Science, Literature and Arts," of a state normal school or high school, of persons holding a first-class teachers' certificate or the certificate of the "High School Board of the State of Minnesota."

These entrance requirements were similar to those for other University of Minnesota units such as agriculture.

*In 1888 the Department of Medicine included the Colleges of Medicine, Dentistry and Homeopathy.

Runners have a reputation for being disciplined. At the Division One level, athletes' time is completely filled—school, practice, and weight lifting. "You have to be very organized," she says. That's a quality that will serve her well in dental school.

Hot Competition

If Horton's attitude and credentials seem amazing, they are. Yet, when it comes to today's applicants to dental school, high GPA and DAT scores, rigorous course loads, and evidence of extracurricular activities is the norm rather than the exception. And the competition is fierce.

"Applications have been up 14 to 15 percent in each of the last two years," says Mike Madden ('83), assistant clinical specialist in the Department of Restorative Sciences and interim

"This generation values the quality of life that a career in dentistry has to offer. Lifestyle and balance are important."

— ANNE WELLS, ASSOCIATE EXECUTIVE
DIRECTOR FOR APPLICATION SERVICES,
AMERICAN DENTAL EDUCATION ASSOCIATION

assistant dean for Admissions. "It's the same all across the country." Anne Wells, associate executive director for application services at the American Dental Education Association in Washington, D.C., reports that, nationally, the applicant pool has increased 67 percent since 2001.

While the number of applications has exploded, the number of openings for dental students has remained about the same for the last several years. For example, there were 855 applicants for 96 first-year slots at the University of Minnesota School of Dentistry this year.

An increase in the number of applicants is just one reason why dental schools are able to choose from an increasingly qualified applicant pool. Record-breaking academic qualifications is another. For the School of Dentistry class entering in 2006, the average grade point average (GPA) is 3.63, with an average score of 19.49 on the DAT academic average section and 19.2 on the perceptual abilities section. That compares to a

GPA of 3.2 and a DAT academic average score of 17.1 and a 17.5 perceptual abilities score in 1991.

How surprising these statistics are to you may depend on your frame of reference. Over the years, dental schools across the country have experienced large swings in both the number of applicants and the number of students they accept. And the average GPA and DAT scores have crept steadily upward (*see charts on pages 10 and 11*). Madden says these comparisons don't mean that people who applied in the 1960s couldn't cut it today. "Comparing the 2.8 GPA from the 1960s with the 3.63 from 2006 is like comparing apples and oranges."

The Baby Boom Echo

Experts attribute the skyrocketing number of applications to the convergence of a number of demographic, economic, and social factors. First, the sheer number of young people now applying to colleges and graduate schools has risen dramatically. "If you look at population trends," says Anne Wells, "you see a 'baby boom echo.'" These are the baby boomers' children, a group that demographers call "millennials." According to Wells, "The number of births started going up in 1980 and the children born during that spike in the birthrate are the ones applying to dental schools now."

The competition at the graduate level mirrors that of undergraduate admissions at the University of Minnesota where freshman applications to the Twin Cities campus for fall 2006 were up 20 percent from a year ago. The University received over 24,000 applications for a freshman class of 5,300, the fourth straight record year for freshman applications.

Wells says that researchers have found certain traits common to this millennial generation. "They're a pressured, achieving, and confident group," she says. "They're gravitating to subjects such as math and science where their progress can be measured objectively. While fewer are going into engineering, more are interested in the life sciences."

The economy has influenced academic pursuits, too. After the economic downturn in 2000, business, especially the "dot.com" world, lost its luster and didn't offer as much job security. That prompted college-age people to stay in school longer

and to look increasingly to other types of careers. For them, dentistry is one career that holds more appeal than ever.

“This generation values the quality of life that a career in dentistry has to offer,” says Wells. “Lifestyle and balance are important.” According to Gale Shea, director of Recruitment and Admissions, “Dentists are more apt to have independent businesses with the ability to set their own hours. They control their own destinies. That’s attractive for both men and women.” In addition, recent low interest rates have made it easier to get business loans to start up practices.

It’s Not Kid Stuff

Yet, high-achieving millennials form only part of the current admissions picture. Ten years ago, many students were admitted with 87 credits after three years of college. In the new class, there are only about four students without degrees, while some even have two degrees. In addition, says Madden, “More students are coming from other jobs and careers such as engineering or physical therapy. And, they’re not 22 or 23 anymore.”

Case in point, Jay Jones. Before applying to dental school, he served 20 years in the military, retiring as a paratrooper with the Army’s 82nd Airborne. After duty in places such as Somalia and Afghanistan, the clinics and classrooms of Moos Tower don’t seem too daunting.

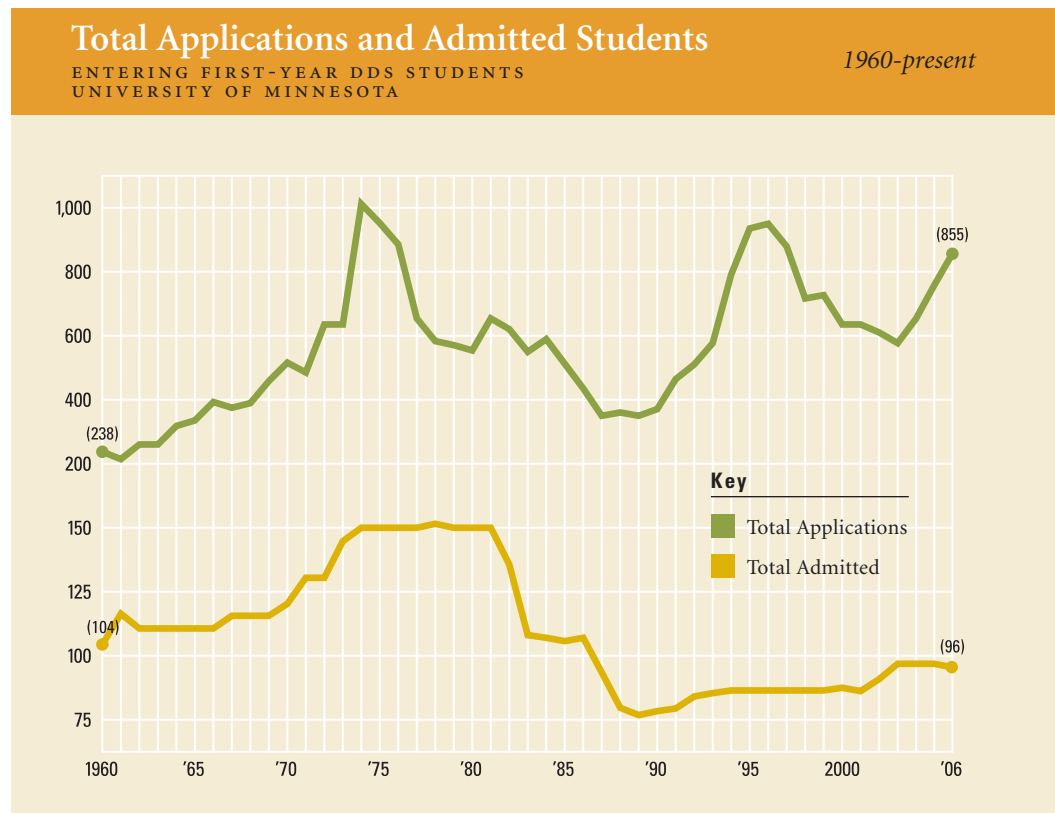
As a helicopter pilot, Jones spent a lot of time with medical personnel. He was intrigued with the things they were doing and it was those people who suggested dentistry as a great career to pursue after he retired from the military. Jones, now a second year dental student, went back to school on his 40th birthday, at the same time his son started at the University of Minnesota’s Carlson School of Management. He says, “I look at the people in this class and consider it a privilege to be here. Age isn’t a big issue, but my life experience gives me a different perspective from many other people in the class. Not right or wrong,” he says, “but a different angle to approach the same problem. As you move up in jobs and responsibility, you need more perspectives to make good decisions and for problem solving.”

Madden says, “Older students have a worldly perspective that benefits the

rest of the class. They can add calm to any storm.”

Jones is particularly attracted to the service aspect of dentistry. “I’ve seen the way people live in places such as the Philippines and Somalia and I’ve developed a lot of empathy with different types of populations. I’m looking forward to going back to some of those places as a dentist. You can really do long-term good.” He won’t be back too soon, though. “I’ve seen enough muddy trails for a while. There’s also a lot of need

the needs of society. By the 1970s, the U-M School of Dentistry had 150 students in each class. But by the 1980s, there was judged to be an oversupply of dentists. Interest rates were at record highs, too, dampening both students’ interest in securing loans for expensive educational programs and the ability of dentists to buy and sell practices. Subsequently, the number of student positions in dental schools fell dramatically and universities, including the University of Minnesota, began reallocating classroom and clinic



right here in Minneapolis,” he says. “I’m looking forward to working in a dental practice.”

The Right Mix

If dental schools are inundated with super-qualified applicants, some ask: Why not admit more students? It’s not so simple.

Looking back to the 1960s and 70s, says Wells, there was a big increase in the number of dental school graduates. New dental schools opened, too. That was when the federal government devoted a large amount of funding to health care education with the idea that more graduates would be available to address

space in dental schools to other health science and academic programs.

“These [supply and demand] pendulums swing back and forth,” says Wells. “Those of us who experienced the downward trend know it can happen again.”

Equally important is developing a class with the right mix, and training them well with an eye to the long term. The school’s goal is to put together a well-rounded class from this exceedingly qualified pool of applicants. It’s a tall order, for the students applying and those who must select them. “We’re always looking for a diverse pool of students,” says Madden. That includes ☺

age, geographic (including rural versus urban), and ethnic diversity. “We must have a group of students that can fill the needs of an increasingly ethnically and geographically varied population.”

For example, first year student Xuan (pronounced “soon”) Nguyen has volunteered since high school as a mentor for children of immigrants. She came to the U.S. from Vietnam at age three and grew up in what she describes as a “bicultural environment.”

Because her parents didn’t have the opportunity to complete high school, they couldn’t give her a lot of direction when it came to choosing a career. “I’ve always been an artist, and I didn’t know I liked science until I went to college,” she says. She took a great many career

More Than Scores

There are only two ways to get a “leg up” in the admissions process. The first is to apply early. Like many of the university’s programs, the dental school has a “rolling admissions” process, which means that applications are evaluated when they are complete, without regard to the status of other applications in the pool. So, candidates who submit completed applications early will move through the review process faster. In some instances, they may be invited to interview as early as September; those who submit applications toward the end of the application process may wait until January. Equally qualified applicants who apply later may find that all openings have been filled.

South Dakota, Western Wisconsin, and Montana. Although many students have a parent who is a dentist, being a “legacy” isn’t one of the selection criteria.

Each application goes through a standard review process with the Dental Student Admissions Committee. The group is composed of 11 people, including seven faculty members (at least one from each School of Dentistry department), a third- and fourth-year dental student,

“Our goal in the admissions process is not to be exclusive, but rather to select those most likely to be successful as students and practitioners.”

— MIKE MADDEN, INTERIM ASSISTANT DEAN FOR ADMISSIONS; CHAIR, DENTAL STUDENT ADMISSIONS COMMITTEE

a community dentist, and the director of admissions. The assistant dean of admissions chairs the committee. Every application is reviewed and the most qualified are invited to receive a personal interview. This year the committee interviewed the top 245 applicants out of 855.

What does the committee look for? “Students must first meet the basic requirements in GPA, aptitude test scores, required classes, and have taken rigorous classes. Academic ability must stand out,” says Madden.

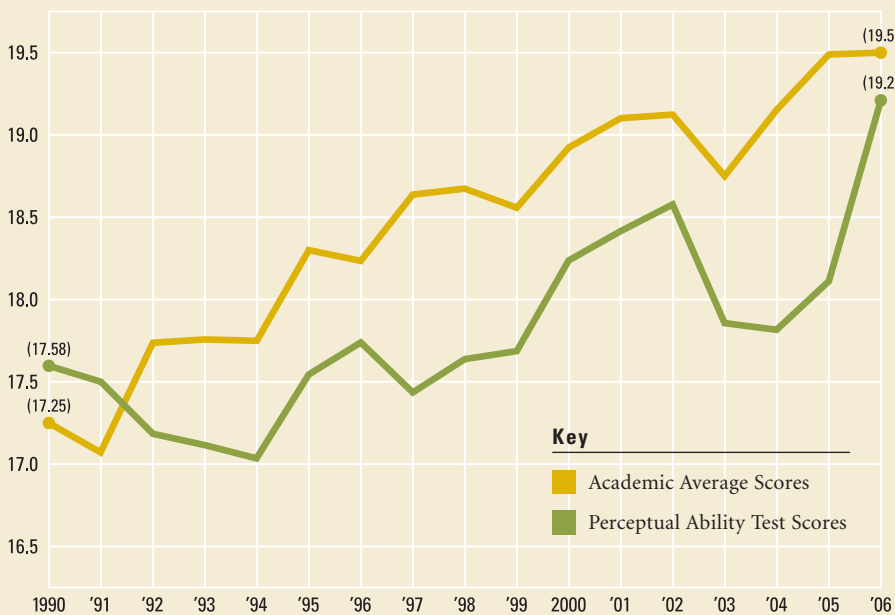
With such a supply of high-achieving applicants, it might be tempting to admit only those with the very highest grades and tests scores. However, the school is seeking more in its applicants. “The admissions committee evaluates applications with a holistic approach,” says Madden. So, beyond grades and test scores, other important factors include communication skills, positions of responsibility, and the applicant’s demonstration of social awareness. Successful applicants must show evidence of leadership, special talents, unique work or service experience, and perhaps an interest in research or teaching.

Volunteer experience, community involvement and awareness of the challenges of the profession, such as serving underserved populations, are

Mean DAT Averages

ENTERING FIRST-YEAR DDS STUDENTS
UNIVERSITY OF MINNESOTA

1990-present



Note: In October 1988, the standard score scale that was used to report DAT results was changed from the -1 to 9 scale to the new 1 to 30 scale.

inventories and assessments looking for the right fit, but they mostly suggested a career in interior design. It was at a Career Day at the U-M School of Dentistry that she says she fell in love with the profession. “It opened my eyes,” she says. “It felt right.” She sees dentistry as a way to combine her interests in science, working with people, and using her artistic talents.

Secondly, priority goes to students from Minnesota. In this year’s first-year class of 96 students, 69 percent are from Minnesota, 26 percent are regional residents (Montana, North Dakota, South Dakota, Wisconsin), and five percent are from outside the region. While Minnesota students receive preference, the school actively recruits at colleges and universities throughout Minnesota, North and

also important considerations. Applicants must have spent at least 30 hours observing or volunteering in a dental office. Research experience helps, too, and don't forget classes or hobbies that hone manual dexterity. One way to get a handle on what it takes to offer a competitive application is to participate in a pre-dental club as an undergraduate.

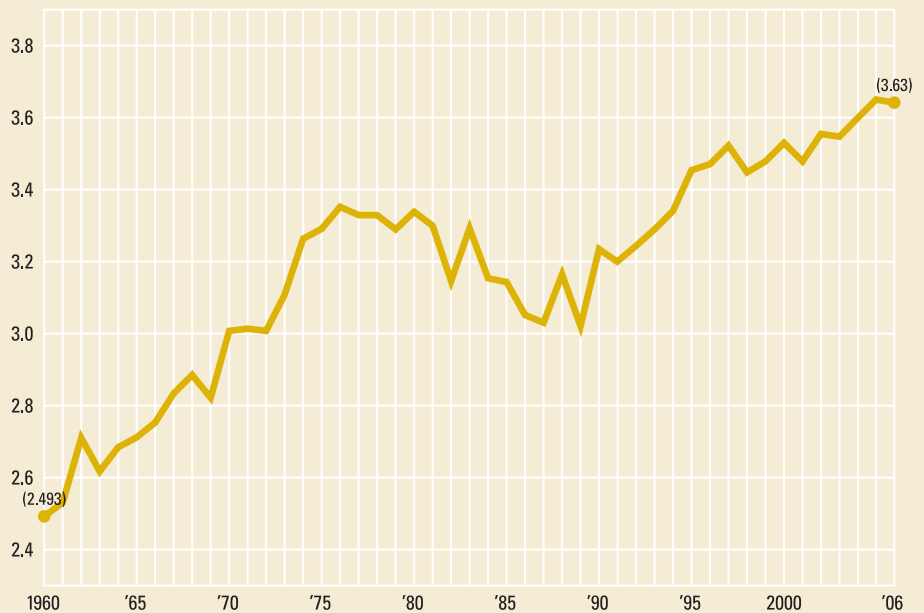
The secret to getting in: hard work. All of these requirements and other important information about applying to the School of Dentistry are clearly laid out on the school's Web site www.dentistry.umn.edu/programs/admissions. A profile of the incoming class is there, along with the minimum GPA and test score requirements. A close look reveals that getting in is like dieting; there's no magic pill for success, just hard work and self-discipline. Ben McKinley can attest to that.

McKinley got married, became a dad and worked full-time in Mesa, Arizona, all soon after graduating from a Minnesota high school. It wasn't easy to attend college part time at Arizona State University

Mean Grade Point Average

ENTERING FIRST-YEAR DDS STUDENTS
UNIVERSITY OF MINNESOTA

1960-present



while working as a process technician at Motorola, but the experience helped him form ideas about what he *didn't* want to do. "I learned I don't want to be bottled up in a cubicle. I've always been interested in and enjoyed science and technology, but I'm interested in a service-based profession. I want to have a neighborhood business and be a neighborhood guy, a person in the community."

So, when he was 30 years old and a junior in college, he applied to dental school. But, he didn't get admitted his first time around. "It was a frustrating year," he says. Luckily, admissions advisors such as Shea are happy to give applicants advice on ways to improve their chances of putting together the most competitive application. "Gale met with me a year ago for a short interview to discuss what I could do to become more competitive." The admissions staff also conducts advising sessions every month.

McKinley followed Shea's advice to the letter. "I retook the DAT and scored better," he says. "I volunteered at a county clinic giving fluoride treatments and shadowed a dentist to learn more about specialties. I worked in a biology lab and got very involved in the ASU dental club. I also took histology on-line because ASU didn't offer it." He kept in touch with

Shea to update her about his activities and accomplishments. "Gale's advice gave me more direction and by the time I applied the next year, I felt very confident about my application."

An Exciting Future

"It's an exciting time to be a dental professional," says Patrick Lloyd, dean of the School of Dentistry. "With the unprecedented level of dental treatment needs in our society, the confidence and trust the public has in our judgments, and with today's exciting technologies and scientific advances, I believe that there has never been a better time to enter our profession."

"Our goal in the admissions process," says Madden, "is not to be exclusive, but rather to select those most likely to be successful as students and practitioners."

Among them will be McKinley. He's launching a new life and on his way to that goal. He's married (to a dental assistant), finished his undergraduate degree, and started dental school this fall with an Air Force scholarship. He takes none of it for granted. He says that his life experience makes him a more focused student and really excited about academics. "It's a liberating thing," he says. "Now I'm going for the gusto. I'm going for dental school." ☺

Admissions Criteria

- Quality of College Performance (GPA [overall and science] is viewed in terms of consistency and improvement, quality and challenge per term)
- Completion of Required Courses
- Preferred Elective Coursework
- Dental Admissions Test (DAT)
- Residency Status (Preference is given to Minnesota residents)
- Personal Statement for AADSAS Application
- Official Letters of Recommendation
- Orientation to Dentistry Statement
- Demonstrated Interest in the University of Minnesota School of Dentistry
- Personal Interview
- Personal Service to People on a One-to-One Basis
- Dexterity Experiences

For International Applicants:

- English Proficiency
- Evaluation of International Coursework

Dental Dervish

Dentist, mentor, entrepreneur, community leader, University benefactor, lifelong learner, regular guy. Dr. George Winn has packed several lifetimes of experience into one career.

BY RICHARD BRODERICK

Sometimes a single anecdote can capture the essence of a person's life. Many years ago, George Winn ('66), whose Mainstreet Dental practice anchors the eastern end of New Prague's business district, found himself accompanying his wife, Joan, on antiquing trips around the country. Along the way, he started collecting antique postcards, a pastime that refined itself into a passion for collecting historic postcard images of his adopted town of New Prague.

"I would see things on them that really intrigued me," he explains, "like a picture of the church that stood in 1853 where St. Wenceslas [the Bohemian Catholic church that is one of Minnesota's architectural masterpieces] now stands."

After he'd amassed a considerable number of postcards, he decided to preserve the images on slides. In time, Winn used those images as the basis for presentations on the history of New Prague at the Scott County Historical Society and elsewhere. Through the historical society, word got to the University of St. Thomas, where his collection was used as a resource for a summer course for teachers about preserving the ethnic history of American small towns. For the past several years, 45-80 class participants have visited New Prague each summer for a day steeped in Czech food, culture, and to hear his presentation.

That's typical George Winn style: he's an "imager" who can turn even the most casual interest into something big. "He is far and above your normal dentist in what he knows in a range of



George Winn

PHOTO BY RICHARD ANDERSON

different fields. He never quits learning," says Charles Puffer ('76), a Prior Lake dentist who worked for Winn before establishing his own practice. "I could earn CE credits just by knowing him. He's always willing to share his knowledge or his advice."

"When he was president of the MDA, he'd come in every week with a new book and urge everyone to read it," says Robert Brandjord ('70), who is now president of the American Dental Association. Winn was Brandjord's clinical instructor 35 years ago at the University. Like Puffer, Brandjord also worked with Winn for a time after dental school. "He always has new ideas," he says.

And he finds lots of ways to put those new ideas to use. A man of boundless curiosity, energy and a wide range of personal and professional interests, Winn has been a tireless professional and community leader. His philosophy: "You only keep that which you give away."

In addition to his MDA presidency in the 1980s, Winn served as board member of the Minnesota Hospital Association and the Minneapolis District Dental Society (where he also served as president), the Le Sueur County Public Health Nursing Board, and the Scott County Library Board, among others. He is also an active supporter of the School of Dentistry where he currently serves on the Simulation

Clinic Campaign Cabinet to raise \$10.5 million for a new preclinical facility. He's a long-time member of the University's Regents Selection Committee, too.

Roots on a Farm

Winn probably came by his enthusiasm and work ethic as a kid growing up on a small dairy farm in southern Minnesota where there was little money, but plenty of opportunity to work hard. His mother's motto: Work hard and be honest. To help make ends meet, his father worked extra hours at the Hormel packinghouse in nearby Austin. "I had to scramble as a kid," he explains. Later, he picked up carpentry skills in the Army. After his discharge, he rehabbed houses and sold them for a profit, his first entrepreneurial venture.

After graduating with both a B.S. and a B.A. from Mankato State University, he had plans to take a masters degree in microbiology when he had a crucial exchange with a dentist friend. Winn recalls, "He asked about my grades—they were good enough to get into microbiology—and he said, 'Why not dentistry?' I'd never thought about that—ever. It turned out to be the best advice I ever had."

Accepted at both Northwestern and the University of Minnesota, he chose Minnesota for financial reasons. The choice turned out to be a happy one. "I went to the state schools because I had to put myself through nine years of college and had no other means of support," he says. "It turned out to be a great choice. I got a great education at the U."

In 1966, Winn opened a private practice in New Prague, a location chosen because his wife didn't want to live in the Twin Cities, yet the town was close enough that he could teach part-time at the dental school. He also wanted to practice in a town with its own hospital. Says Winn, "That was before seatbelts and water fluoridation, so we had patients with rampant caries and dental trauma. And I liked treating children with disabilities. We did a lot of hospital cases."

A Winn for New Prague

Just as Winn has been a leader in the Minnesota dental and health care community, a mentor to dental students and young dentists starting out on their careers, and a keen supporter of his alma mater, he's been equally generous with

his time and talents around New Prague which, he says, is located "just two blocks left of heaven."

"I don't know if you could name a service organization [in New Prague] that he has not supported financially or on whose board he has not sat," observes Mary Klimp, CEO of Queen of Peace Hospital, where Winn served as president of the board of directors and where he still serves as a very active board member. "And yet, he's the kind of person anyone would be comfortable sitting down and having coffee with. Everyone in town recognizes his laugh. He loves to laugh!"

"The most important thing is that he leads by example," observes Klimp. Winn continues to do clinical work at the hospital and steers other practitioners to the facility. He was a driving force in Queen of Peace's

"I could earn CE credits just by knowing him. He's always willing to share his knowledge or his advice."

— CHARLES PUFFER

recent expansion—at a time when other small, community-based hospitals around Minnesota are struggling to survive.

"He's one of the most visionary people I know," says Klimp. As an example, she points to Winn's enthusiastic support for the hospital's new Women's Health Center, which opened last year with two ob/gyns recruited to New Prague specifically to serve at the center. "He was able to embrace the idea that we needed to do this and that we would need space dedicated to this service," Klimp says. "He was convinced that if we brought two new doctors to town, people would come to see them. And he was right," she says. "Things have worked out very well."

According to Klimp, Winn is also willing to roll up his sleeves and do the less glamorous things. "I don't think there's anything related to the board or the hospital community that he wouldn't do himself—and more of it than anybody else," she says. "If we're fund-raising, or engaged in planning, he's right there, several days a week, even though the board position is unpaid."

Yet for all his influence at the hospital, Klimp has also been singularly impressed by something else. "He doesn't carry himself as an important person. Even though his office is only a block away and he's here frequently," she explains, "I never feel trampled on by him. He understands the difference between governance and operations and he focuses on governance."

Business Builder

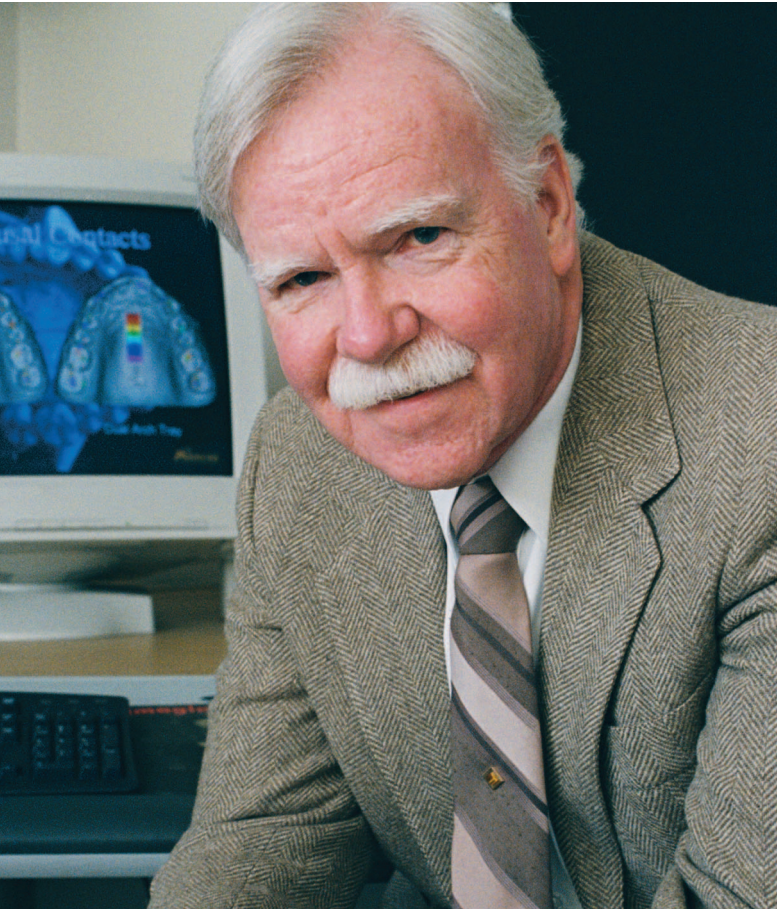
Winn's shrewd business sense and community spirit have also helped the city's overall economy. Among other ventures, he co-founded the Nova Praha Development Company, lured a medical device company called Electro-Med Inc. (which manufacturers vests used to assist patients with Cerebral Palsy and ALS) to New Prague, sat on the board of several area banks, and even co-founded Community Security Bank because he felt New Prague would be best served by a local rather than out-of-town bank.

The tale of the bank's founding captures something of Winn's fearless, straight-ahead approach to life. "I said to a couple of guys, 'Let's start a bank,'" he recalls breezily. "I checked it out and found out how much you need to get a state or a federal charter." He went ahead and formed an investment committee, obtained a bank charter, raised \$3 million—some of it borrowed—and opened the bank for business just over seven years ago. "Now we have people all around town who have invested in the bank and are its customers—which means they are essentially their own customers!" he says of the institution which now has \$120 million in deposits.

"I always have said that George could be a success at anything because he's an eternal optimist," says Robert Harder who was executive director of the MDA when Winn was president. "He has that 'we-can-do-it' attitude. He's done many a business deal on a handshake. His enthusiasm is infectious—he always says, 'Let's go!' and jumps right in."

"George is like a whirling dervish," says Brandjord. "I have to say to him every once in while, 'Slow down! I'm trying to keep up with you.' I have never seen anyone with so many diverse involvements. He really gives back—to his community, his profession, his alma mater. New Prague is very fortunate that he settled there." ◉

Ralph DeLong Named 2006 Century Club Professor of the Year



Ralph DeLong

PHOTO BY RICHARD ANDERSON

When Ralph DeLong was working on his Ph.D. in nuclear physics, he didn't anticipate a career in dentistry. Yet throughout his career, DeLong, a professor in the Department of Restorative Sciences, interim chair of the Department of Restorative Sciences, and the interim director of the Minnesota Dental Research Center for Biomaterials and Biomechanics (MDRCBB), has brilliantly blended the two. It's a somewhat unusual combination that has kept him at the forefront of technology and dental materials research.

His work in research is just one of many reasons DeLong received the Century Club Professor of the Year Award at the Dean's alumni reception at the Minnesota Dental Association's Star of the North Meeting. The award came as a surprise to DeLong who was recognized before a standing room only crowd of more than 250. It is the school's highest honor and is conferred each year upon one faculty member in recognition

of outstanding contributions in the education, research, and service mission of the school.

DeLong says that different and sometimes surprising doors open during one's career. For example, during the Nixon era when he was in graduate school, the federal funding for basic research was slashed and the future looked bleak for a career in nuclear physics. "Why not think about dental school?" his cousin suggested. DeLong received a D.D.S. in 1978 and a masters in fixed and removable prosthodontics in 1981, both from the University of Minnesota.

Since then he has gained recognition as a scientist with more than \$5 million in funded research and as a respected author in the profession's leading scientific publications. DeLong's expertise in physics and dentistry contributed to the development of A.R.T. (Artificial Resynthesis Technology), an oral simulation environment, which is often referred to as the "Artificial Mouth." *Research & Development Magazine* chose it as one of the 100 most significant new technical products of the year. Along with co-developer, William H. Douglas, of the Department Restorative Sciences, DeLong received the "I.R. 100 Award" for the development of a "Biomaterials Evaluation System (Oral)" in 1983.

In 2004, DeLong became the interim director of the MDRCBB, which was established as an industrial/academic collaboration, with the 3M Foundation and 3M Dental Products Division providing the founding funds. The center works with industry on the development of new dental biomaterials. DeLong is also known as one of the creators of the Virtual Dental Patient, which simulates an individual's dental anatomy and jaw movement. Comparing simulations made at different times allows dentists to measure changes in the individual's dental health and aids in treatment of dental problems.

Douglas, DeLong's colleague and long-time collaborator, says DeLong is a dedicated educator, too. "Ralph is a very good lecturer," he says. He's always enormously prepared." While most of his teaching has recently focused on graduate students, DeLong says he's now looking at developing a new undergraduate class on the mechanics of chewing, how teeth interact, and the consequences of improper bite.

In presenting the Century Club award, Dean Patrick Lloyd introduced DeLong as a "man of quiet determination to make a difference." He quoted DeLong's current and former colleagues who described him as the "most creative, altruistic person of integrity I've met in my life" and "someone who would have been a success in any field." He noted especially DeLong's recent contributions to the school's strategic planning initiative and as interim director of the Department of Restorative Sciences, "Most important," he said, "Dr. DeLong is a respected colleague and friend."

School of Dentistry Loses A Respected Colleague and Friend

World-Renowned Oral Pathologist Robert Gorlin Passes Away

University of Minnesota Regents' Professor Emeritus Robert J. Gorlin died August 29, 2006. He was 83. A larger-than-life presence in this dental school for 50 years, he was the quintessential educator and a man of enormous intellect and curiosity, thoughtful deliberation, and infinite compassion and kindness.

Robert Gorlin was an internationally acclaimed expert on oral and maxillofacial pathology, as well as genetic defects and syndromes, craniofacial disorders, and hereditary hearing loss. He was a lifelong observer of rare forms of disease, studying physical malformations for clues about normal development and for the answers to some of biology's most basic questions. During his 50 years at the University, he studied and named more than 100 syndromes caused by genetic defects, discovering six that were named for him. For several of the 100 syndromes, he and colleagues isolated the gene responsible for the condition.

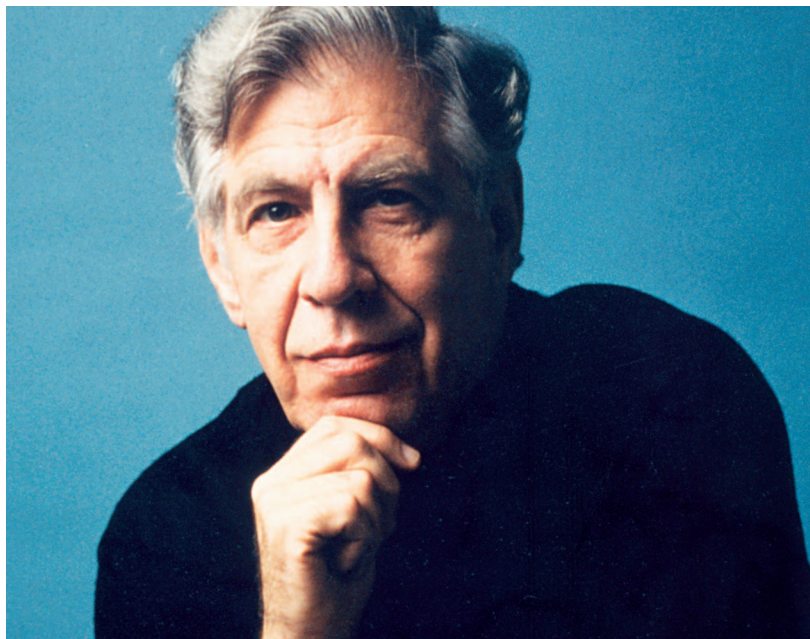
He authored more than 600 articles and several textbooks on genetic syndromes and oral pathology, including *Syndromes of the Head and Neck*, an encyclopedic work now in its fourth edition. It is considered the authoritative work in this field.

A man of unwavering dedication, Gorlin was often the first called by Twin Cities' hospitals when a child was born with a craniofacial disorder. He identified the syndrome, advised physicians on related health problems that could occur, and provided genetic counseling to parents concerned about the likelihood of the condition reappearing in future births. His pioneering work has enabled physicians to assess and treat many genetic birth defects and aids molecular biologists in finding ways to prevent or lessen the effects of genetic disorders.

According to Michael Rohrer, director of the School of Dentistry's Division of Oral Pathology and president of the American Academy of Oral and Maxillofacial Pathology, "Robert Gorlin was the most world-famous faculty member at this dental school, and the most famous oral and maxillofacial pathologist in the world, period."

In addition to his faculty position at the School of Dentistry, Gorlin held joint appointments in the University's departments of Laboratory Medicine and Pathology, Obstetrics and Gynecology, Otolaryngology, Pediatrics, and Dermatology. His interprofessional approach to research allowed doctors from a variety of disciplines to apply his work to diagnosis and treatment.

Always eager to share his knowledge, he helped launch the careers of more than 20 postdoctoral fellows and attracted the nation's scientific leaders to the University of Minnesota for conferences, guest lectures, and faculty positions. In 1967, he played a pivotal role in creating the Lasby Visiting Professorship program, which continues to draw distinguished international and American health sciences scholars to the University's School of Dentistry where they complement current research and educational programs. For the last 13 years, he has been honored by an annual Robert J. Gorlin Dysmorphology Conference which attracts scientists and clinicians from around the world to discuss their research.



Robert Gorlin

Robert Gorlin earned his doctor of dental surgery degree from Washington University School of Dentistry in 1947 and his Master's in Oral Pathology from the State University of Iowa in 1956. The same year, he joined the faculty at the University of Minnesota School of Dentistry as associate professor and chair of the Divisions of Oral Histology and Oral Pathology. He was named a University of Minnesota Regents' Professor in 1978.

Gorlin retired from his position at the University in 1993, but continued to lecture, write articles, edit text books, and consult. He also continued to come to the dental school every day until only recently when his illness curtailed those visits. Internationally applauded across a variety of disciplines, he was the recipient of numerous awards, including five honorary doctorate degrees from universities as far away as Athens, Dublin, and Copenhagen. In 1997, he was named a Senior Fellow in the Institute of Medicine of the National Academy of Sciences. That same year, he received the prestigious Premio Phoenix Anni Verdi Award, presented by the Italian Medical Genetics Society in recognition of his basic and applied research in genetically transmitted diseases, as well as the Goldhaber Award from Harvard University. In 2002, he received the University of Minnesota's highest honor, an honorary Doctor of Science Award and, in 2003, he was recognized by the American Dental Association with its Gold Medal Award. In 2004, he was the recipient of the American Society of Human Genetics Award for Excellence in Human Genetics Education and was the invited presenter at the Nobel Foundation conference in Stockholm on the topic of genetic signaling in development and disease.

A formal academic memorial service is to be scheduled later this fall.

A Letter from the President



We're proud to announce:

The School of Dentistry Alumni Society (SODAS) and Golden Valley orthodontist Stephen Litton ('67, '70) received awards at the 2006 UMAA Volunteer Awards Ceremony on September 15.

Dr. Litton received the *National Volunteer of the Year Award* and SODAS received a *Program Extraordinaire Award* for its annual Golf Classic, held this year on July 27.

Marilyn Ellefson, Golf Committee chair, accepted the program award on behalf of the School of Dentistry Alumni Society.

Greetings from the University of Minnesota School of Dentistry Alumni Society.

This past spring, I had the opportunity and honor to represent the School of Dentistry Alumni Society at several important events. I attended the Senior Recognition Banquet and commencement ceremonies to welcome the Class of 2006 to the profession, and I attended the White Coat Ceremony to welcome the Class of 2008 to the clinical phase of their educational program. I was pleased to represent our members at these events and impressed with the exceptionally talented students I met in both classes. They will represent our profession well.

I'm equally pleased and excited with the energy Dean Lloyd has brought to the School of Dentistry. He should be commended for his investment in connecting with the community and the State of Minnesota. The signs of his hard work are now visible in the form of additional faculty, facilities upgrades, and additions such as the re-dedicated Center for Contemporary Dentistry, the planned simulation clinic, and the creation of new community-based clinical training programs. Considering the challenges in dental education, I am confident that the University of Minnesota School of Dentistry will remain a world-class institution under his guidance.

Our alumni society is active in its support of Dean Lloyd and our school and we sponsor opportunities for you to participate as well, through the Cap and Gown fund-raiser and our annual golf tournament. These activities provide scholarships and other non-monetary support to our future members—the new graduates.

The alumni society also supports continuing education for practicing professionals through the Clinical Grand Rounds programs held at the School of Dentistry on the first Thursday evening of each month during the academic year. Clinical Grand Rounds is a series of patient-centered continuing education courses devoted to diagnosis and treatment of complex cases. Each presentation features cases selected from a different discipline of dentistry. It's a great opportunity to enjoy a meal and network with colleagues, faculty and students, to continue our dental education, and to obtain continuing education credits at a reasonable cost.

I look forward to another great year with the School of Dentistry Alumni Society. The proud smiles on the faces of graduates I recently met reminded me of my years at the University and of all of the great things our alumni society supports. I also ask that you please consider supporting the University and Dean Lloyd's efforts. If you are a current alumni society member, thank you for your participation. But are you a member?

Dentistry magazine is sent free of charge to all alumni. But receipt of the publication doesn't mean you're a member of the School of Dentistry Alumni Society. To verify your membership status, please contact the Office of Continuing Dental Education & Alumni Relations at 612-625-1418 or 800-685-1418. If you're not a current member, please consider joining. It's easy—you can join on-line at the School of Dentistry's Web site at www.dentistry.umn.edu/alumni.html. While you're there, take some time to catch up on all of the exciting news of our dental school.

In the meantime, please know that your membership and contributions to the School of Dentistry support our students and help to maintain both the viability of our alma mater and the integrity of our professional diplomas. We invite you to be a part of all the good things our alumni society contributes to the student experience of our dental and dental hygiene students and to their future success as dental professionals.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Nickman".

JIM NICKMAN, D.D.S. '97, M.S. '99
President, School of Dentistry Alumni Society

Class Notes

Please submit brief notices about milestone events and activities to: *U of M Continuing Dental Education & Alumni Relations* (attn: Marie Baudek), 515 Delaware St. S.E., 6-406 Moos Tower, Minneapolis, MN 55455 or baude001@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.

1944

John P. Sande, Jr. (D.D.S., M.D.), Reno, Nev., passed away on Apr. 3. After graduating first in his class, Dr. Sande served in the U.S. Navy and then returned to Minneapolis to enter medical school. He was chief of staff at Saint Mary's Regional Medical Center in Reno (1967) and on its board of directors (1974-99), and chief of surgery of Washoe Medical Center in the early 70's and its chief of staff (1976 and 1977.) He was president of the Reno Surgical Society (1971), the Nevada State Medical Society (1972-73), and the Professional Standards Review Organization (1979), and was a director of Blue Shield of Nevada (1981-83). A man of versatile interests and talents, he was known for his toughness, patience, generosity, sense of mischief, compassion and loyalty. He was team physician for the high school football squad, and loved fine woodworking, hunting, skiing, learning to play the mandolin, evenings on the deck at the cabin, sailing, playing chess, collecting stamps from Norway, and his family.

1945

George A. "Buzz" Geist Jr. (D.D.S.), St. Paul and Two Harbors, passed away Mar. 22, at age 85, after a distinguished career committed to community service and intercultural understanding. He spent two years of his Navy tour as a dentist in Omiya, Japan and in Yong Dung Po and Sosa, Korea, where he received a commendation medal. As an examining dentist in St. Paul's public schools, he was instrumental in establishing a school-based sealant program for low-income children. He was a consultant to the Logan Leven Cleft Palate Clinic and the Minn. Department of Health Services for Children with Handicaps, and a board member of the Ely wilderness camp he attended as a youth. With a team of medical/dental colleagues, he made several trips to Peru to teach speech appliance techniques, and organized dental teams to develop school-based preventive programs in Chimbote, Peru. He was a visiting faculty member at Beijing Medical University (1989) and, over the course

of 23 years, was both a clinical assistant and associate professor in the Cleft Palate Maxillofacial Clinic at the U-M School of Dentistry (1967-91). In 1990, the School of Dentistry Alumni Society awarded Dr. Geist its prestigious Ambert B. Hall Award.

1958

Charles W. Gurtler (D.D.S.), Wisconsin Rapids, Wisc., passed away Feb. 19 at age 71. An avid athlete, Dr. Gurtler received the Williams Memorial Scholarship and competed for the U-M in basketball and track events. He was a member of the American Dental Association and the Wisconsin and Minnesota dental associations, a past president of the Wood County Dental Society, and past chair of the Riverview Hospital dental staff. Active in civic and fraternal organizations, he was chair of the Wood County Board of Supervisors at the time of his death, having served two terms at that post and as a supervisor for more than 15 years. He is the recipient of the Wisconsin Rapids Citizen's Civic Service Award, and served in top leadership positions for the Elks and Knights of Columbus, as a past member of the Saints Peter & Paul Parish Council, and as a longtime lector at his church.

1971

Richard Simonsen (D.D.S.), Mesa, Ariz., was named the first dean of Midwestern University College of Dental Medicine in Glendale, Ariz. Part of a \$140 million expansion of the university that is the largest in the school's history, the dental school hopes to matriculate its first class of 100 students in 2008.

Howard W. Taylor (D.D.S.), St. Paul, was installed as treasurer of the St. Paul District Dental Society.

1972

Rosalie Warpeha (D.D.S.), Coon Rapids, passed away Mar. 10 at age 64. A dentist, researcher and Marist missionary sister known in Jamaica as "Doctor Sister", she was associated with dental public health in the Caribbean for over 20 years. While in dental school, she participated in a 1971 dental mission on the Project HOPE ship docked in Jamaica. Later assigned by the Marist sisters to serve as a dentist in Jamaica, she eventually became the country's chief dental officer and was internationally recognized for initiating a dramatically effective salt fluoridation program to reduce rampant dental caries. The technique, already proven effective in France and Switzerland, was a cost effective alternative to a massive well-water fluoridation program and resulted in an 87.8 percent reduction in decay in six-year-olds, a 94 percent reduction in 12-year-olds, and a 69 percent reduction in 15-year-olds.

Dr. Warpeha was also an active participant in the American Dental Association's Health Volunteers Overseas-Dentistry Overseas (HVO-DO) program, serving in Guyana, Jamaica, Turks and Caicos, and Vietnam, and



Rosalie Warpeha

was a member and chair of the HVO-DO Steering Committee. She also helped advocate and create a special ADA membership category for dentists who serve full-time for a charitable organization and do not receive an income or salary. Among her lengthy list of accomplishments is an honorary fellowship in the Academy of Dentistry International and an award recognizing her contributions to dentistry in the Caribbean.

1978

Daniel C. Howley (D.D.S.), Stevens Point, Wisc., passed away Jan. 16 at age 53 after a courageous battle with cancer. He practiced dentistry for 27 years, retiring in August 2005 due to illness. He enjoyed his profession, and the patients and friendships he established along the way. Dr. Howley also enjoyed running, golf, hunting, biking and tennis.

1980, 1982

Peter Cannon (D.D.S.), St. Paul, was installed as president of the St. Paul District Dental Society.

1979

Larry Streleck (D.D.S.), Sioux Falls, S.D., was named "Sioux Falls VA Medical Center's 2006 Robert C. Talley Provider of the Year." The award recognizes one individual for exceptional clinical dedication, sustained contributions, a commitment to excellence in patient care and a compassionate attitude toward patients and their families, a belief and a commitment to cooperation and teamwork, and support for the mission of the Department of Veterans Affairs.

1982

Mark Persson (D.D.S.), Mandan, N.D., passed away on Dec. 28 at age 49. Dr. Persson practiced general dentistry in Ellendale, Edgeley and Kulu, N.D. before moving to Bismarck in 1985. An avid outdoorsman, Dr. Persson enjoyed camping, hunting, fishing, canoeing and traveling, and also coached and played baseball and basketball. He served for several years on the board of Shiloh Christian School. A scholarship has been established in his memory at the University of Minnesota School of Dentistry.

Class Notes *(continued)*

1984

Mary Johnston-Pariseau (D.D.S.), Maplewood, was installed as secretary of the St. Paul District Dental Society.

1986

Mary Owen (D.D.S.), Glen Lake, is one of twelve Golden Gopher greats who will be inducted into the University of Minnesota "M" Club Hall of Fame on October 29, 2006.

An elite multi-sport athlete, Owen set the standard for Minnesota softball in its early years. As a junior, she helped lead the Gophers to a third place finish at the National Collegiate World Series in 1978, batting .349 and tying for the team lead with 36 RBIs. Known as "Sparky," she led the team with six home runs, 52 hits, 43 runs scored and 82 total bases, all school records. As team co-captain her senior year, she hit .309, and her single game



Mary Owen

tallies of four runs scored and two home runs still leave her tied for first in the Gopher record books. After lettering four years, she ranked second on the Gophers' career list with 77 RBIs, 122 runs scored and nine home runs.

Owen was a co-winner of the Women's Intercollegiate Athlete of the Year Award, as well as the Patty Berg Outstanding Graduating Senior Award in 1979. After graduating, she played professional softball with the Mount Vernon (N.Y.) Explorers and was named 1979 Rookie of the Year. In

amateur softball, Owen earned All-American honors in 1981 and a spot on the United States team that competed in the Tri-Nation Championship against Japan and China. In 1986, Owen was named an inaugural member of the University of Minnesota Women's Softball Hall of Fame and as a member of the Minnesota State Softball Hall of Fame.

Owen is a graduate of the U-M School of Dentistry in 1986 and earned a master's degree in Oral Health Services for Older Adults in 1997. Today, she is a clinical dental specialist in the Division of Health Ecology where she teaches geriatrics and helped develop dental clinics for underserved older adults at the Wilder Senior Dental Clinic in St. Paul and at Walker Methodist Health Center in South Minneapolis. She also maintains a private practice in the Glen Lake area.

1996

R. David Resch (D.D.S.), Buffalo, was installed as president-elect of the St. Paul District Dental Society.

Alumni Class Reunions



It was a reunion weekend! The Class of 1956 held its 50th reunion in May. Forty-two alumni and their 36 guests attended a dinner at the Radisson Hotel on Friday, and took a Saturday morning tour of the dental school. They followed the tour with a three-hour boat ride and luncheon on Lake Minnetonka.



A milestone event: The class of 1946 celebrated its 60th year reunion at the Midland Hills Country Club in June.



Could it really be 50 years already? The dental hygiene class of 1955 celebrated at Doubletree Hotel Park Place, St. Louis Park on May 17, 2005. (L to R) Suzanne Sass Rainey, Diane Huebner Schmall, Georgia Pullen Schmid, Suzanne Yseth Vondrasek, Marge Remington Bedner, Harriet (Noni) Gillham, Barb Buzzelle Pfaffe, Sherry Livingston Jaeger, Joanne Christianson Weckwerth, Karla Peterson Tinklenberg.

12th Annual School of Dentistry Alumni Society Golf Classic

Duffers and scratch golfers teed-off for a day of friendly rivalry at the 12th Annual Dental Golf Classic, held July 27, 2006 at the University of Minnesota Les Bolstad Golf Course. One hundred twenty-one golfers, including alumni, students and friends of the

School of Dentistry, enjoyed a pleasant summer day and fun golf event. A special thanks to all of the golfers and corporate sponsors for making this a successful event. Proceeds support numerous Alumni Society projects, including scholarships.

Special congratulations to the following contest winners:

Men's Long Drive:	Dustin Hollevoet
Women's Long Drive:	Holly Thompson
Closest to the Pin:	Devon Halberg
Longest Putt:	Chris Yue

Top Three Teams:

1st Place:	Ryan Dunlavey Michael Hom	Mike Johnson Tim Weis
2nd Place:	Kent Confeld Jonathan Confeld	Dan Kleve Miles Xiong
3rd Place:	Tim Emmer Scott Lingle	Bob Marolt Bob Proebstle

The Finishing Touch: Alumni Sponsor Caps and Gowns for Grads

With an outpouring of generosity, alumni and friends made contributions to underwrite the cost of caps and gowns for 2006 classes of dental and dental hygiene graduates. The effort, led by Alumni Society president Jim Nickman, '97, has been a tradition for the Society's Board of Directors since 1997.

A list of 2006 donors to the Cap and Gown campaign is provided below, and we send a sincere "thank you" to all contributors for their help in welcoming the graduating dentistry and dental hygiene classes to the profession.

Dr. John C. Aamodt	Dr. Julie Chavez	Dr. James E. Haack	Dr. David A. Linde	Dr. Gina L. Pfeiffer	Dr. Mark J. Steinmetz
Ms. S. Kaye Adams	Dr. Charles Colby	Dr. Frederick Haas	Dr. David H. Lipschultz	Dr. Jack H. Pfister	Dr. Donna Stenberg
All Your Smile Needs Dental Center	Dr. Paul J. Congdon	Dr. Michael & Sandra Harrison	Dr. Stephen Litton	Dr. Brian L. Pierce	Dr. Gregory W. Stende
Dr. Troy Alton	Dr. Robert E. Conlin	Dr. Tom M. Harrison	Dr. Patrick M. Lloyd	Dr. Lewis H. Pierce	Dr. Eric Stich
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Dr. Michael T. Auvinen	Dr. Matthew K. Deeter	Dr. James D. Hom	McClellan-Swanson Dental Office	Dr. Glenda Reynolds	Dr. Fred L. Tidstrom
Dr. Bashar Bakdash	Dr. Terry C. Deeter	Dr. Ralph G. Honkola	Dr. Kenneth McDougall	Dr. Patricia J. Richardson	Dr. Kyle Tidstrom
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Dr. Douglas T. Bengson	Dr. Gerald L. Fields	Dr. Douglas Jolstad	Dr. Jim Nickman	Ms. Gale Shea	Ms. Lisa A. Shefchik
Dr. Michael M. Bennett	Dr. George E. Fischer	Dr. Mark R. Jung	Dr. James C. Nord	Dr. Clayton R. Shepard	Dr. E Kent Shirley
Dr. Glenn F. Benson	Dr. George E. Fischer	Dr. Lois J. Karl	Dr. John O. Nord	Dr. E Kent Shirley	Dr. Stephen K. Shuman
Mr. Fred Bertschinger	Dr. John A. Fishpaw	Dr. John T. Keaveny	Dr. Oscar C. Nord	Dr. Stephen K. Shuman	Dr. Dan R. Slight
Dr. Peter A. Berven	Dr. John A. Fishpaw	Dr. Gene S. Kelley	Dr. Hugh Norsted	Dr. Dan R. Slight	Dr. Jamie L. Sledd
Dr. John P. Beyer	Dr. Teresa L. Fong Sit	Dr. David J. Kenyon	Dr. James J. O'Brien	Dr. Julie E. Smith	Dr. Victor L. Sofie
Dr. Kim Bohling	Dr. Richard Ford	Dr. George J. Kinney, Jr	Dr. Daniel J. O'Connell	Dr. James E. Spitzmueller	St. Paul District Dental Society
Dr. JoAnn C. Boraas	Dr. Jeffrey J. Fox	Dr. Ramesh Kuba	Dr. Maureen A. Ohland	Dr. Eric Stafine	Dr. Dawn Stavish
Dr. Bernard Borkon	Dr. Patrick Foy	Dr. Brett Kurtzman	Dr. Lynne Olson		
Dr. Charles Bridgeford	Dr. Dan Goede	Dr. Keith D. Kutz	Dr. Mark Omlie		
Dr. David J. Bruzek	Dr. Steven A. Gorman	Dr. David J. Kenyon	Drs. Mark & Jo Omlie		
Dr. Todd G. Calder	Dr. Murray & Beth Greer	Dr. George J. Kinney, Jr	Dr. Gerald W. Paczkowski, Jr		
Dr. James M. Caple	Dr. Gary Gross	Dr. Ramesh Kuba	Park Dental Roseville		
Dr. Daniel W. Carlson	Dr. Susan G. Gross	Dr. George J. Kinney, Jr	Dr. Eileen Patterson		
Dr. Jeff & Ms. Patt Carlson	Dr. Stephen Gulbrandsen	Dr. Leilani L. LaBelle	Dr. Jorge Perdigo		
	Dr. Lawrence G. Gunner	Dr. Venetia Laganis Lakes Orthodontic Associates	Dr. Ronald M. Peterson		

EventsCalendar

OCTOBER 2006

October 17
U of MN Alumni Reception
ADA Meeting
5:30 to 7:30 p.m.
Mandalay Bay Resort
& Convention Center
Islander Ballroom
Las Vegas, Nev.

NOVEMBER 2006

November 1
Minnesota Student
Dental Society Vendor
Placement Fair
Radisson University Hotel
University of Minnesota
Minneapolis Campus
Minneapolis, Minn.

For information: Call Dawn
(651) 646-7454 or
(800) 950-3368

JANUARY 2007

January 22
School of Dentistry
Alumni Society (SODAS)
Board Meeting

APRIL 2007

April 14
17th Annual Daniel E.
Waite Lecture
U-M Continuing Education
and Conference Center
University of Minnesota
St. Paul Campus
St. Paul, Minn.

Additional information
to be announced.

For information, call:
(612) 624-9959

April 27
School of Dentistry
Alumni Society (SODAS)
Board Meeting
3:00 to 4:30 p.m.
St. Paul Hotel
St. Paul, Minn.
Dean's Reception
5:30 to 7:30 p.m.
St. Paul Hotel
St. Paul, Minn.

April 28-30
Star of the North Meeting

April 27
Pre-session seminars
Touchstone Energy Place
St. Paul, Minn.

For information, call:
(651) 646-7454
(800) 950-3368

MAY 2007

May 17
Senior Awards
Ceremony and Banquet
5:00 p.m. Awards Ceremony
6:30 p.m. Banquet
Radisson University Hotel
University of Minnesota
Minneapolis Campus
Minneapolis, Minn.

May 17-20
South Dakota Dental
Association Annual Session
Rushmore Plaza Holiday Inn
Rapid City, S.D.

For information:
info@sddental.org

May 18
University of Minnesota
Alumni Reception
South Dakota Dental
Association Annual Session
5:30 to 7:30 p.m.
Rushmore Plaza Holiday Inn
Rapid City, S.D.

For information:
(612) 625-5751

13th Annual Senior Recognition Ceremony and Banquet



On May 18, 2006, the School of Dentistry honored all dental and dental hygiene graduating seniors at its 13th Annual Senior Recognition Ceremony and Banquet. Approximately 425 graduates, family members and friends, along with faculty and staff, attended. Thirty-seven seniors were recognized for their academic and clinical achievements with awards of plaques, certificates, memberships in professional organizations, reference publications, and scholarships totaling nearly \$12,000. A complete list of award winners can be found on the School of Dentistry Web site: www.dentistry.umn.edu.

May 18
School of Dentistry
Graduation
2:00 p.m.
Northrop Auditorium
University of Minnesota
East Bank Campus
Minneapolis, Minn.

May 31
White Coat Ceremony
3:30 p.m.
Radisson University Hotel
University of Minnesota
East Bank Campus
Minneapolis, Minn.

For more information:

Except where noted,
you can obtain further
information on the events
listed by contacting:

Julia Cross
(612) 625-7678
cros0183@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 Now 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).

OCTOBER 2006

Occlusion & Function
October 18-21, 2006

Restorative Expanded Functions: An 80-Hour Training Program (Weekend Two)
October 27-29, 2006

Real World Endo presents Precision-Based Endodontics: A Hands-On Program
October 28, 2006

NOVEMBER 2006

Clinical Grand Rounds: Pediatric Dentistry
November 2, 2006

Hot Topics in Periodontics
November 3, 2006

Orthodontic Study Club: Session Two
November 3, 2006

Winter Dental Assistants' Seminar
November 4, 2006

Office Oral Surgery: A Clinically Guided Participation Course
November 6-7, 2006

Postgraduate Program in Esthetic Dentistry: Level I (Weekend One)
November 10-12, 2006

Postgraduate Program in Esthetic Dentistry: Level II (Weekend One)
November 10-12, 2006

Clinical Updates in Dentistry: A Minnesota/Iowa Symposium
November 17, 2006

Restorative Expanded Functions: An 80-Hour Training Program (Weekend Three)
November 17-19, 2006

DECEMBER 2006

Orthodontic Study Club: Session Three
December 1, 2006

Restorative Expanded Functions: An 80-Hour Training Program (Weekend Four)
December 1-3, 2006

Clinical Grand Rounds: Oral Surgery & Sleep Apnea
December 7, 2006

JANUARY 2007

Clinical Grand Rounds: Oral Medicine
January 4, 2007

Postgraduate Program in Esthetic Dentistry: Level I (Weekend Two)
January 12-14, 2007

Postgraduate Program in Esthetic Dentistry: Level II (Weekend Two)
January 12-14, 2007

Recipes for Successful Esthetics
January 19, 2007

Research Design-Postgraduate Program in Esthetic Dentistry: Level III
January 19-20, 2007

What's New in Dentistry
January 26, 2007

Study Abroad: Waikiki & Hawaiian Island Cruise
January 27-February 6, 2007

FEBRUARY 2007

Clinical Grand Rounds
February 1, 2007

Orthodontic Study Club: Session Four
February 2, 2007

Postgraduate Program in Esthetic Dentistry: Level I (Weekend Three)
February 9-11, 2007

Postgraduate Program in Esthetic Dentistry: Level II (Weekend Three)
February 9-11, 2007

Removal of Bond Material with Rotary Instrumentation: A Hands-On Program
February 15, 2007

12th Annual Ski & Learn: Steamboat, Colorado
February 15-17, 2007

Nitrous Oxide Sedation: A Lecture & Hands-On Program
February 16-17, 2007

Winter Dental Hygiene Seminar: Careers in Dental Hygiene
February 23, 2007

Improving Your Radiographic Technique: A Hands-On Program
February 24, 2007

MARCH 2007

Clinical Grand Rounds
March 1, 2007

Orthodontic Study Club: Session Five
March 2, 2007

Simulated Implant Placement: A Hands-On Program
Zimmer Institute
Carlsbad, Calif.
March 2-4, 2007

Endodontics Update—The Latest and Greatest
March 9, 2007

Conscious Sedation Training Program
March 9-12, 2007

Nonsurgical Therapies for Managing Periodontal Disease
March 30, 2007

Miniresidency in Pediatric Dentistry
March 30-April 1, 2007

For more information and to register for classes, contact:

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

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

Fax:
(612) 624-8159

Website:
\$10 discount for on-line registrations. Please access our secure Web site at www.dentalce.umn.edu.

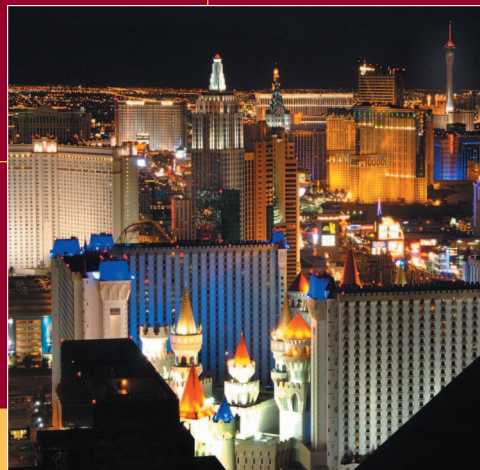
You're invited to join us in

Las Vegas...



School of Dentistry

UNIVERSITY OF MINNESOTA



Images courtesy of Las Vegas News Bureau/LVCVA



**...as we celebrate the
147th Annual Session of the
American Dental Association**

**Tuesday, October 17, 2006
5:30-7:30 p.m.**

**Mandalay Bay Resort and Convention Center
Islander Ballroom – B
Las Vegas, Nevada**

**Your University of Minnesota School of Dentistry
has embarked on a new adventure.**

We're partnering — with communities of professional colleagues — to establish new clinics and create new programs. We're reinventing our curriculum, building state-of-the-art facilities, discovering new knowledge through research, and providing a challenging clinical education in a supportive environment that is rich with opportunities for professional growth and community involvement.

Join Dean Patrick Lloyd and alumni and friends from around the country for cocktails and hors d'oeuvres and hear about innovations taking place at your School of Dentistry. We look forward to seeing you!

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