

MINNESOTA

UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION

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**Jon Foley's
View of Earth**

**Panty Raids:
A Brief History**

**Gopher Hoops'
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A Tough Act to Follow

**Susan Hagstrum,
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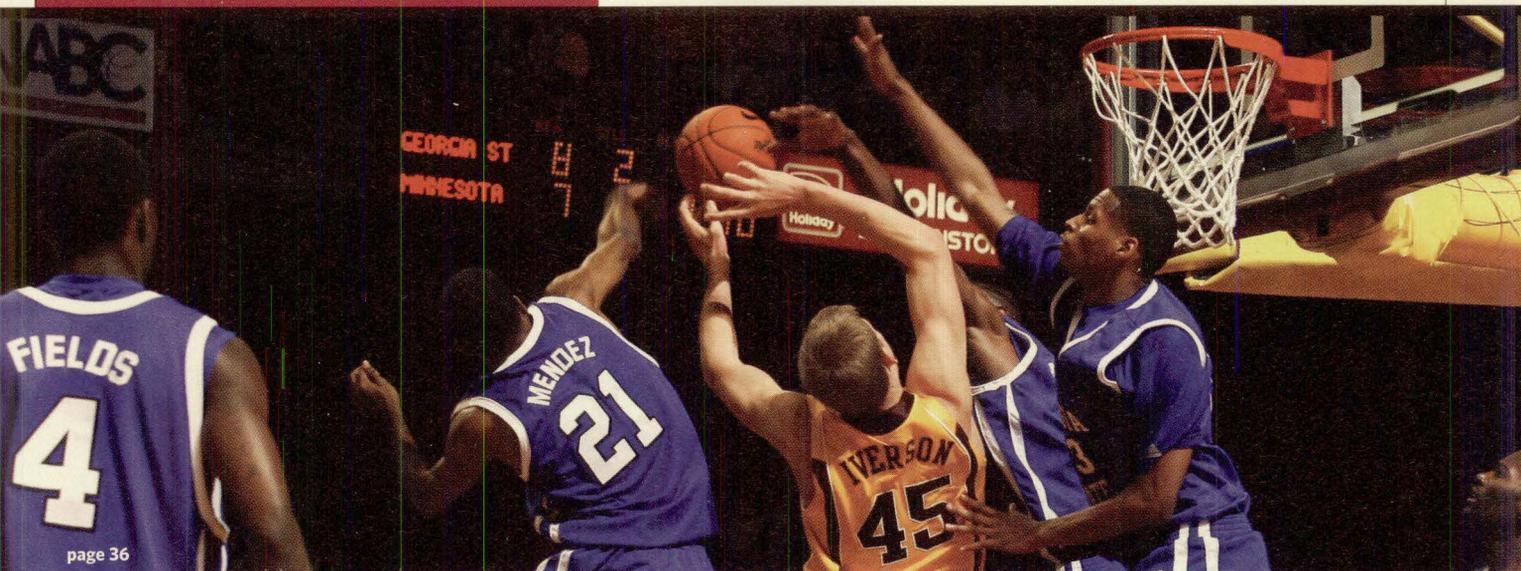
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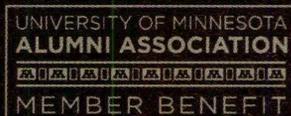
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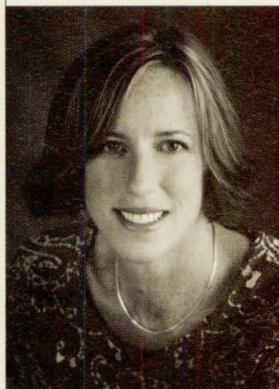
Editor's Note

Meeting Molly

The first time I met Molly Tadich (B.S. '88, M.A. '96) was in the sixth grade, when my school's gym-hockey team hosted hers for a friendly game. Molly loped into the gym carrying a battle-scarred stick and dwarfing us all, including our gym teacher. I had seen Molly many times before. When she and her family stood in their pew at church, I thought of the Minneapolis skyline. They towered over the landscape, embodying sturdiness and permanence.

I was a good athlete at 12 and could beat most boys my age. But my introduction to Molly and her level of play was another matter, nearly concussive. Scrambling for the orange plastic puck to send it down the floor and away from our goal, I instead was launched into the concrete-block gym wall. The last thing I remembered was seeing a redwood going after the puck, too, and I had been in its way.

For the rest of the game, when the puck or Molly came my way I ran in the opposite direction. I recall that contest less for being roughed up or for our humiliating defeat than for what was an abrupt awakening. If someone as superhuman as Molly lived just one zip code away, how many others like her were out there? Not many, I would later learn. But at that moment, I had to face the fact that I didn't have what it took to be a star athlete.



Shelly Fling

The following year, Molly and I attended the same junior high. She was no longer a menacing rival but the secret weapon on our seventh-grade basketball team. I could make a basket from just about any spot on the court, if no one was charging at me and waving her arms. But Molly could palm a basketball, dribble behind her back, and execute easy lay-ups, her sneakers barely touching the lane.

Our game strategy consisted of passing to Molly. She would hold the ball over her head with elbows out while opposing players hopped and swatted the air below her. Then she'd drive and score. While Molly essentially *was* our team, the victories were ours too. We were a *team!*

Until one day, when the game was about to start and Molly hadn't shown up. Worried, we approached the coach. "Where's Molly?" we asked. "We saw her in algebra today." "Good news!" he said. "Molly's playing on the ninth-grade team from now on."

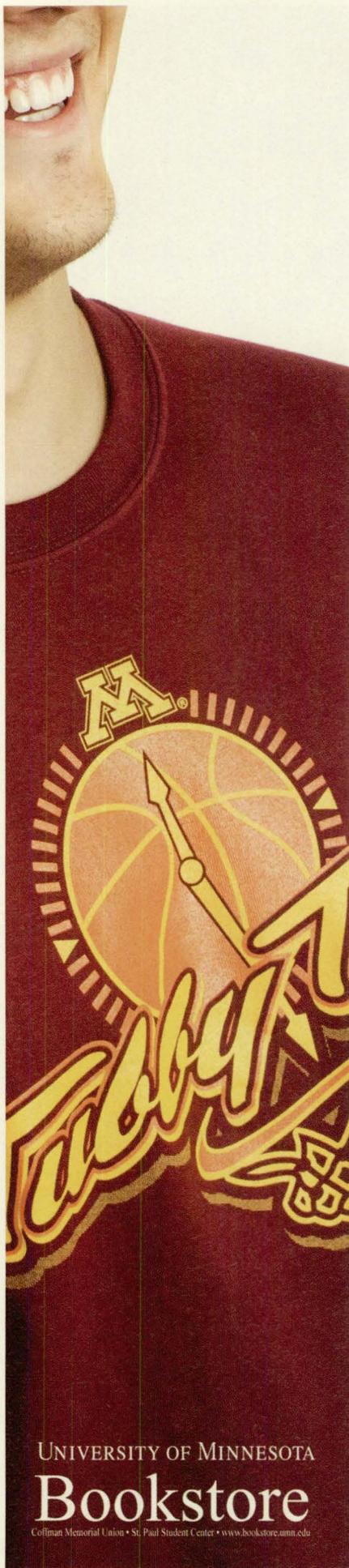
We felt robbed. How could they put a seventh-grader on the ninth-grade team? What about *our* team? I remember that game not because we suffered the first in a string of embarrassing losses, but because of the sting of injustice. Even though the coach talked a good game about fair play, apparently winning really was what mattered most.

But Molly deserved the chance to play with more advanced players, and her multiplying crowd of fans would agree. We cheered her on in high school and followed her career at the University of Minnesota, where she played from 1983 to 1987. By then she stood 6 feet, 2 inches. She was team MVP two years, was selected All-Big Ten three years, ranks sixth in scoring and third in rebounding in Gopher women's basketball history, and was inducted into the Hall of Fame in 2007. She would go on to teach special education students.

Molly died of pulmonary edema this past December. Her sudden death stunned all who knew her or had watched her play. She was just 43.

It boggles the mind to think that the new recruits on the Gopher women's basketball team weren't even born yet when Molly wore maroon and gold. But, all from Minnesota, they grew up wanting to be Gophers, no doubt because of people like Molly, who inspired the next generation of athletes, who inspired the next. ■

Shelly Fling may be reached at fling003@umn.edu.



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I'm an ambassador.

Even though I'm not a graduate of the University of Minnesota, I'm proud to be an ambassador. I believe in the important work the U is doing – work that improves not just our community, but the world.

– Monica Little: CEO, Little & Company; community volunteer; lifelong Minneapolis resident

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Letters

A PLUNGING METEORITE MARKET?

I thoroughly enjoyed Tim Brady's lively tale about a University of Minnesota geologist's battle with an Iowa farmer over the meteorite that fell in a field so many decades ago ("Romancing the Meteorite," November–December 2008). The end of the story states that the meteorite is on loan to the Smithsonian Institution and is worth \$300,000. Considering the economic situation, might I suggest that the U sell the meteorite and apply the money where needed most? Or is the value of meteorites dropping like everything else?

Louis Rieker (B.S. '52)
Minneapolis

AN AMAZING FINISH

The article about Gopher track star Heather Dorniden ("Running on Full," November–December 2008) described the near disaster for Dorniden at the track meet where she fell during a 600-meter race. The fact that she jumped up and not only finished the race but won it is amazing. I thought your alumni would like to see it for themselves. Go to www.bigtennetwork.com/awards and click on the "Most Courageous

Performance" video. She is truly inspiring.

Kari Weckler (B.A. '08)
Minneapolis

A WAR VET REMEMBERS

This is a commentary on the article on returning veterans ("From Combat to Campus," July–August 2008). There are fewer and fewer World War II veterans to give some historical perspective.

I graduated from Foley High School in 1942 and graduated from the School of Agriculture at the University of Minnesota in 1944. I turned 18 a week later and became 1A and eligible for the draft immediately. I was selected for a Navy training school program in electronics and served on a repair ship and at a transmitter station in Hawaii. In late 1946, I was discharged and entered the University in the winter quarter in 1947. At that time, there were hundreds of returning servicemen taking advantage of the G.I. Bill. Housing was at a premium. Many veterans wore remnants of their service uniforms to class.

Because there had been a gap of several years between graduation from high school and entrance into the University for the men but not for the women, it was a student

body of "old men" and "young girls." The men were serious about their studies and tolerated no nonsense from either their classmates or their professors. They had been flying planes, manning ships and submarines, shooting at and being shot at, and making essentially life-and-death decisions for a couple years. Fraternity initiations were not quite the same for many who had been "initiated" under real conditions.

There was no shortage of fellow veterans and no effort to make any special association. For the most part, they were as Tom Brokaw stated: the greatest generation. Many of my classmates have done very well as representatives of the University of Minnesota in their profession and in community affairs. I am proud to have been a part of a group of returning veterans of years ago and can empathize with the current group. I wish them well.

Philip Dziuk ('44, B.S. '50, M.S. '52, Ph.D. '55)
Homer, Illinois

To submit a letter, go to www.alumni.umn.edu/opinion or write to Letter to the Editor, Minnesota Magazine, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455. Guidelines are at the Web address above.

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History in the Making



In late December, as the football team prepared for their bowl game, their new home was being prepared for them. TCF Bank Stadium is on schedule for kick-off on September 12, 2009.

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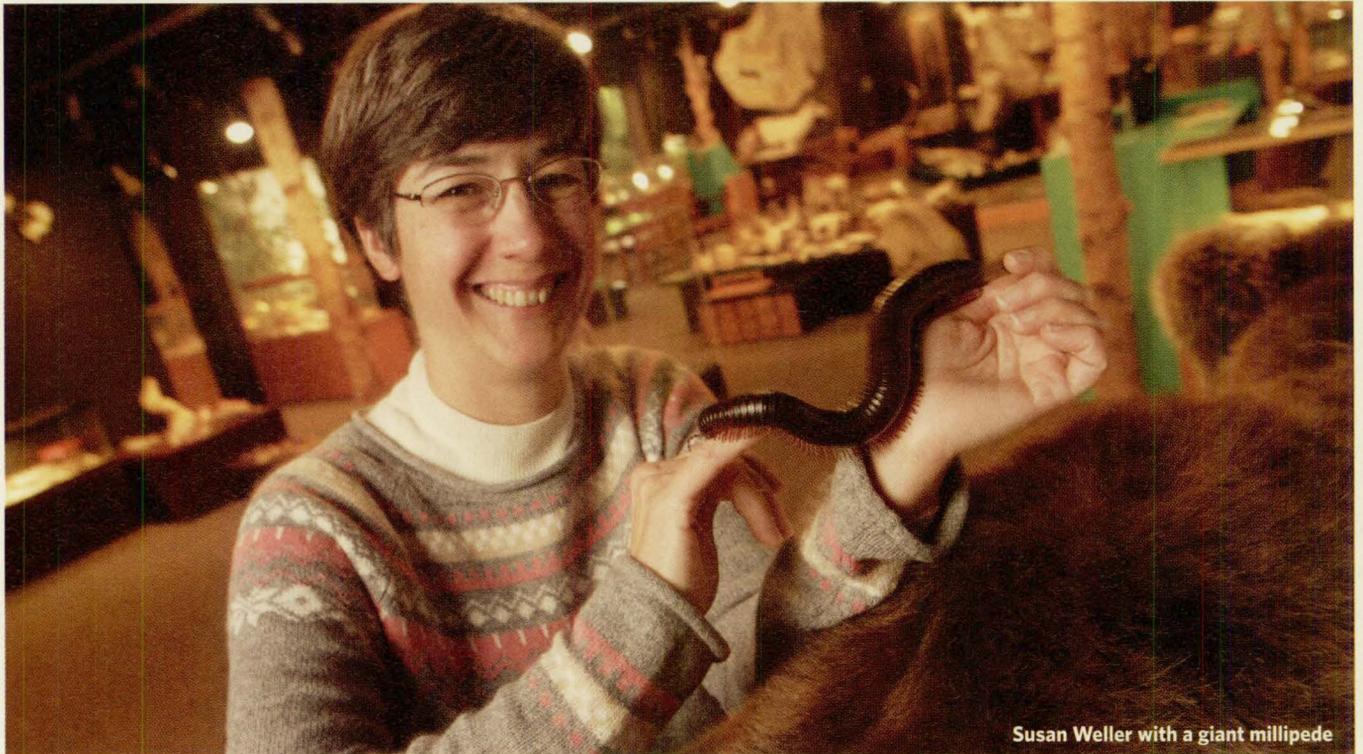


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Susan Weller with a giant millipede

Bringing Science to the People

Professor of entomology Susan Weller is passionate about communicating the excitement of science and nature to the public. Weller, who is internationally recognized for her research on butterflies and moths, was recently named director of the Bell Museum of Natural History at the University of Minnesota, the first female to hold that position in the museum's 136-year history. She spoke with *Minnesota* about why making science accessible to all is so important.

Q: You've been a curator at the Bell since 1993, first of invertebrates and later lepidoptera, or butterflies and moths. What drew you to entomology?

A: Serendipity. As an undergrad at Grinnell College, I did a field project in Costa Rica watching acorn woodpeckers and recording how much time they spent collecting and storing acorns. Birds don't do a lot, so I did a lot of sitting and I saw all these insects and thought: Whoa! They're doing a lot of stuff that's a lot more interesting. So I decided to go into entomology instead. Being in the field collecting moths is a real rush.

Q: You're a big proponent of citizen science, which gives the public an opportunity to work with scientists on research projects. Tell us about your Bioblitz program, which has drawn more than 2,000 attendees since it began.

A: A friend of mine in the Ramsey County parks had been talking for a couple of years about this concept. So in 2002 some colleagues and I started Bioblitz. It's an intensive 24-hour survey where people come to a designated location—last year it was

the Minnesota Valley National Wildlife Refuge—and they help researchers count all the plants and animals they can find there. It's been a great success. We've got groupies now who call and want to know when and where it is every year.

Q: Why do you believe it's so important for the general public to be more engaged with nature?

A: It's becoming clear that people are passionate about saving the rain forest, but not about saving a piece of green space right near their house. They don't understand the value of biodiversity in their own backyard, so how can they worry about something they aren't aware of? Bioblitz is very eye-opening in that way.

Q: Describe some of the Bell's efforts to get children interested in science.

A: We need to inspire kids to be more excited about science and we've been trying to do that at the Bell for the past four years with our school residency program. Graduate students visit K-12 schools around the metro presenting interactive lessons on invertebrates. And we're currently developing other units, one on fish and another on mealworms. If you don't have great science in elementary school you've got problems, because all these studies show that students, particularly girls, need to have a positive science experience before middle school if they're going to stay interested in it. If we can communicate the excitement of science to children, there is someone out there who's going to spread the word about the important role of bugs on this planet or work on the cure for cancer.

—Meleah Maynard (B.A. '91)

Class Act

It's been just 36 hours since Barack Obama became president-elect, and students in Tim Johnson's Introduction to American Politics course are hungry to talk about the election.

"What's going to happen to Ted Stevens?" one asks.

"How long will the recount in the Coleman-Franken race take?" another wonders.

"Is there any way for gay people in California to challenge the outcome on Proposition 8?"

Part of the students' enthusiasm is timing, Johnson later explains. Getting students interested in American politics in the fall semester of a presidential election year is a bit like offering candy to children.

Students are even excited about lectures on the electoral college. "It's the 'Tim Russertization' of politics," Johnson says, referring to the late NBC newsman whose whiteboard analyses of red states and blue states on election night 2000 captivated American audiences. "Students are just fascinated by the electoral college." But Johnson is perhaps a bit too quick to give the credit to pundits and politicians. If there's a Tim Russertization of politics at play here, there's also clearly a "Tim Johnsonization" of teaching that regularly turns many reluctant first-year College of Liberal Arts students into political science majors. Earlier this year, the University honored Johnson with a Morse-Alumni Undergraduate Teaching Award, and in 2007 he received the Arthur "Red" Motley Exemplary Teaching Award from CLA.

Johnson describes his classroom style as more give-and-take than talk-and-talk. "It's a back-and-forth exchange that forces the students to not just sit there and soak in a PowerPoint slide, but to engage." On the first day of his introductory classes, for instance, he gives a 20-minute lecture titled "Why You Should Care about Politics." "I talk at length about how almost everything that happens in American politics affects them directly," Johnson explains. He uses student loans as an example, showing students how everything from the Federal Reserve Bank to interest groups and party politics directly influence their lives.

Over the years, Johnson says, he's learned that engaging students often means embracing his own humanity. To get students comfortable enough to participate, he's not afraid to poke fun at himself, share stories about his children, or show silly, but educa-



Tim Johnson

tional, video clips—like the 1970s *Schoolhouse Rock* "Preamble to the Constitution" music video.

And he readily admits when he doesn't know the answer to a question. "To be able to say 'I don't know; I'll have to get back to you' opens things up for students," he explains. "They're more likely to see the classroom as a jumping-off point rather than a terminus in the pursuit of knowledge." And that, in the end, is one of the most important lessons he can teach students.

"I do not believe that I'm there simply to impart my wisdom to the students," he says of his work in CLA classrooms. "I'm there to make them learn to think on their own." —Danny LaChance

Now That's Distance Learning

Students in Paul Porter's class will have to forgive him if he seems a bit distant during spring semester. Porter, a professor in the department of agronomy and plant genetics, will be almost 10,000 miles away from his classroom on the St. Paul campus, teaching "Food and Agriculture from Cairo to Cape Town at 10 mph" while pedaling a bicycle from Egypt to South Africa. "Ten mph is a rough estimate of how fast I may be going—sometimes it will be dramatically slower," Porter says.

The course will consist of Porter's observations from the road as he travels through Africa studying local food, agriculture, and ecosystems. He will, uh, feed his observations back to the St. Paul campus through a satellite phone, e-mails, and audio blog postings on his Web site. Graduate student and teaching assistant Maggie Mangan will facilitate interactions between Porter and the students.

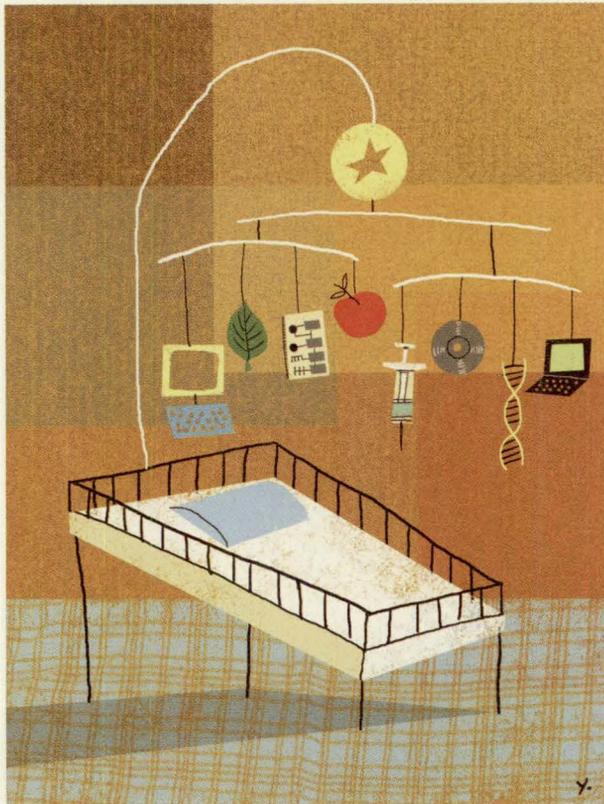
"I hope the students will learn more about Africa in general but also will have more of an appreciation for what we have in the United States," Porter says. "Maybe by seeing and hearing about different cultures in Africa they'll take a closer look at what they eat here, how it's grown, and where it comes from."



OVERHEARD ON CAMPUS

"Thank you from the bottom of my pancreas."

—University professor Bernhard Hering, an internationally recognized diabetes researcher and co-director of the Schulze Diabetes Institute, at the announcement December 11 that the Richard M. Schulze Family Foundation had pledged \$40 million to the U for type 1 diabetes research.

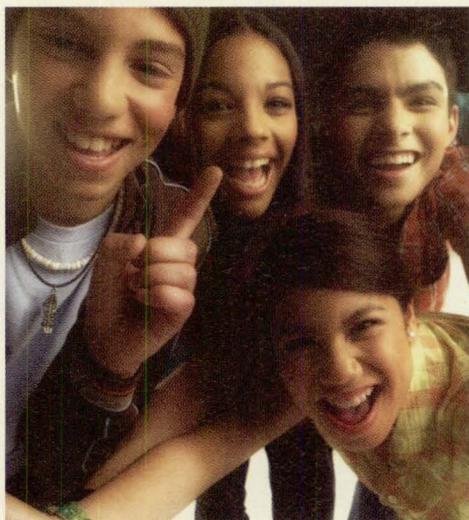


Gene Links Leukemia, Brain Cancer

Researchers at the Masonic Cancer Center, University of Minnesota have discovered that a gene involved in an often fatal infant leukemia is also associated with glioblastoma, an aggressive form of brain cancer. The discovery provides a common thread to the biology of leukemia and brain cancer. The original purpose of the research was to find out what role the gene plays in infant leukemia. Researchers found that it is the master regulator of hundreds of genes, meaning that it allows for self-renewal and expansion of both normal and abnormal cells. A search to uncover whether the gene is associated with other conditions found that it is present in stem cells in the brain and in glioblastoma.

Genes Might Determine Prognosis

Certain genes can influence a person's likelihood to contract particular diseases. Now, research at the Masonic Cancer Center, University of Minnesota demonstrates that genetic markers may also show a person's likelihood to survive the disease. The research successfully identified combinations of genes associated with early relapse of multiple myeloma, a cancer of the white blood cells. The results raise the possibility that a person's genetic background exerts an important influence on the patient's prognosis and response to treatment. The goal of the research is to predict how effective and toxic a particular drug treatment will be based on the patient's genetic profile, and develop individualized assessments and predictions for the right drug at the right dose. This approach could avoid unnecessary treatments for patients unlikely to respond to a particular drug while targeting treatments to those who will benefit most.



Speaking of Spanish

A study in the University of Minnesota Medical School that examined middle school-age youths' social networks found that speaking Spanish is not significantly associated with substance abuse among Latino youth, a finding at odds with previous studies conducted nationally. After considering multiple risk and protective factors in their research model, including social networks, age, gender, and parental monitoring, researchers found that Spanish language use was neither protective nor a risk factor. Rather, it was simply an indicator of who youth were interacting with and how they preferred to interact. Social network members, defined as the people with whom the youth had the most highly valued relationships, were found to be strongly influential. The strongest predictor of substance use was a large percentage of high school-aged social network members, whereas networks that consisted of a larger number of extended family members and other adults were found to be very protective. The highest protective factor was the youths' perception that their parents were involved in their lives.



Not Against the Grain

Elementary school students will eat more whole grains when healthier bread products are gradually introduced into their school lunches, according to a study by researchers in the University of Minnesota Department of Food Science and Nutrition. The study monitored how much bread students threw away at two Minnesota elementary schools during the course of a year, and whether that amount increased as the percentage of whole-grain flour in the bread was gradually increased. Both red and white whole-grain flour were added incrementally to products, but students showed no strong preference for either type of flour. Students did not throw away more bread products until the percentage of whole-grain flour in the bread and rolls reached 70 percent. The research is important because it shows that a gradual approach to improving children's overall diets can be successful both for parents and school food-service workers.

Stalagmite Tells a Tale

U of M geology and geophysics researchers, along with their colleagues in China, have uncovered evidence that climate patterns contributed to social upheaval and the fall of dynasties in ancient China. Their research identifies a natural phenomenon that may have been the last straw for some Chinese dynasties: a weakening of the summer Asian monsoons, which are critical for cultivating rice. Such weakening accompanied the fall of three dynasties.

The research rests on climate records preserved in the layers of a 118-millimeter-long stalagmite found in Wanxiang Cave in Gansu Province. The stalagmite was formed over a period of 1,810 years; stone at its base dates from A.D. 190, and stone at its tip was laid down in 2003, the year it was collected. By measuring amounts of the elements uranium and thorium throughout the stalagmite, the researchers could tell the date each layer was formed. And by analyzing the "signatures" of two forms of oxygen in the stalagmite, they could match amounts of rainfall—a measure of monsoon strength—to those dates.

Researchers discovered that periods of weak summer monsoons coincided with the last years of the Tang, Yuan, and Ming dynasties, which are known to have been times of popular unrest. Conversely, researchers found that a strong summer monsoon prevailed during one of China's "golden ages," the Northern Song Dynasty. Researchers said the finding illustrates the promise of paleoclimate science in understanding climate effects on society and culture.



More Diverse = More Fertile

A study by University of Minnesota researchers conducted at Cedar Creek Ecosystem Science Reserve shows that biodiversity increases soil fertility and could be used to restore depleted agricultural land. The common view is that soil fertility requires decades or even centuries to develop. But the research demonstrates that plant diversity speeds that process by simultaneously introducing and retaining more nutrients in the ecosystem.

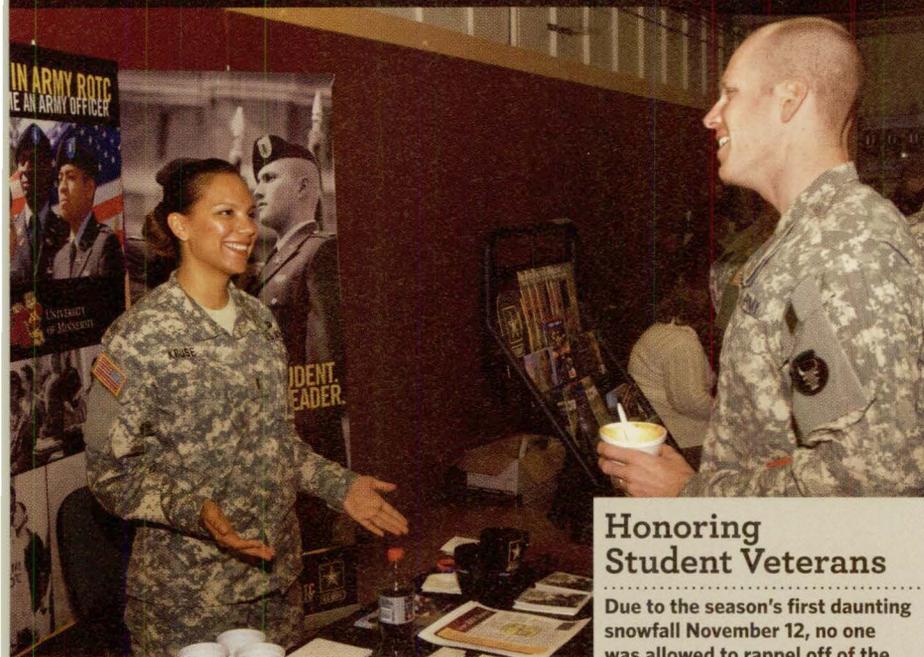
Using an 11-year-old prairie experiment at Cedar Creek, researchers collected soil from prairie communities that varied in the number of plant species they contain. Seedlings grown in soil from diverse prairie communities weighed 70 percent more than seedlings grown in soil from single species. Researchers said the use of diverse mixtures of prairie plants could increase crop yields for food or cellulosic biofuels and be beneficial for wildlife, in addition to restoring soil fertility.

Music to Baby's Ears

By the age of 9 months, infants can tell the difference between happy and sad music, according to a study coauthored by a researcher from the University of Minnesota College of Education and Human Development. Five-month-old babies were able to recognize an upbeat tune, such as Beethoven's "Ode to Joy," but unlike the 9-month-olds they were not able to tell the difference between it and a sadder composition, such as the Seventh Symphony. The study monitored how long babies looked at an emotionally neutral face while different types of music were played. When the baby looked away from the face, the music stopped and researchers played a new song. Babies who noticed a switch from happy to sad music, or vice versa, looked at the face three to four seconds longer, indicating renewed interest.



Edited by Cynthia Scott



Honoring Student Veterans

Due to the season's first daunting snowfall November 12, no one was allowed to rappel off of the 60-foot-high Armory Tower as promised. But inside the Armory, student veterans and members of the University community stayed warm with a chili lunch and many laudatory words. The second annual Veterans Appreciation Day honored University student veterans for their sacrifice and service to their country. In addition to lunch, the day included the U's Military Color Guard, U.S. Senator Amy Klobuchar and other speakers, and a Veterans Resource Fair.

Governor Tim Pawlenty (B.A. '83, J.D. '86) cut \$20 million from the University of Minnesota's current fiscal year budget as part of a package of reductions designed to meet a multi-million dollar state budget shortfall. University President Bob Bruininks reiterated the U's willingness to do its part to help with the state budget crisis, but said the unallotment will have a significant impact on the operating budget and the ability to attract sponsored research. Prior to the budget cut the U implemented a systemwide hiring pause and a salary freeze for senior executives in response to the uncertain economy. The hiring pause requires the president's office to review all open positions and judge them to be essential to U operations before being filled. The salary freeze affects top-tier positions, including the president, and is expected to save about \$500,000.

The University of Minnesota received the second largest gift in its history with a \$40 million pledge from the Richard M. Schulze Family Foundation. The money will be targeted toward finding a cure for type 1 diabetes, a devastating disease that occurs in children and young adults when the immune system mistakenly destroys all insulin-producing cells in the pancreas. Schulze, whose daughter suffers from the disease, said he chose to give to the U because of the work that it has already done to lay the groundwork for a cure: human islet transplantation, pig islet transplantation, and stem cell-derived islet cells. In recognition of the gift and the future of diabetes research, the University renamed its Diabetes Institute for Immunology and Transplantation the Schulze Diabetes Institute. Schulze is founder and CEO of Best Buy.

Research at the U is running strong, with sponsored awards totaling \$675 million in 2007, an increase of 8.3 percent over 2006. According to National Science Foundation data, for 2007 total research expenditures at the U ranked ninth overall among public universities and 14th among all universities. Over the last three fiscal years the University has increased its research expenditures by nearly 19 percent, posting the second largest growth rate among the top 20 public research universities in the country. The figures were presented to the Board of

Regents at its December meeting.

The Board of Regents approved a proposal authorizing alcohol sales in the premium seating sections of TCF Bank Stadium, Mariucci Arena, Williams Arena, and the restaurant at the Minnesota Landscape Arboretum. Beer and wine are already available for free in the suites at the existing arenas; the Regents' approval allows the venues to sell alcohol rather than give it away. Drinks at all sites will be served only in restricted, non-student areas. A review of 119 college football programs found that 118 had similar policies related to alcohol sales.

A former student has given the University Law School \$6.01 million over the next five years to fund the new Program on Law, Public Policy and Society. The grant from the Robina Foundation, created by James Binger (J.D. '41), allows the Law School to establish two research chairs, a clinical chair, a research fund, four capstone courses, annual conferences, and 50 law student internships in public policy. The first to hold one of the new chairs will be John Borrows, a professor of law at the University of Victoria (British Columbia) and a scholar in indigenous law, who will join the faculty in September. Binger created the Robina Foundation shortly before his death in 2004 to fund forward-thinking projects proposed by the University of Minnesota Law School, Abbott Northwestern Hospital, Yale University, and the Council on Foreign Relations.

The inaugural freshman class at the University of Minnesota Rochester will enter in fall 2009 following the Board of Regents' provisional approval to admit students for the bachelor of science in health sciences (BSHS), the campus's first four-year degree program. The BSHS will admit up to 150 students the first year. The program prepares students for a broad spectrum of health science-related fields and for admission to medical, dental, and veterinary science schools.

Michael Osterholm, director of the U's Center for Infectious Disease Research and Policy and professor at the School of Public Health, has been appointed to the Pandemics Global Agenda Council, an initiative of the World Economic Forum. Osterholm joins 13 international pandemic preparedness experts from academia, business, and government sectors who will collaborate to create a central, global authority that can respond quickly in the event of a crisis. The potential global repercussions of a pandemic outbreak prompted governments to request the establishment of such an international body.

—Cynthia Scott



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Breakthrough Research and Care at
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Ned Mohan, Institute of Technology
Electricity from Renewables: Research
in the Generation, Storage and Efficient
End-Use of Wind and Solar Power

Pat McGovern, School of Public Health
Advancing the Health of Future Generations:
The National Children's Study

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UNIVERSITY OF MINNESOTA
ALUMNI ASSOCIATION

Alumni Awards Celebration

The University of Minnesota Alumni Association congratulates the recipients of the 2008 Alumni Association Awards and the University of Minnesota Alumni Service Award. These individuals and groups were honored at the Alumni Association Volunteer Awards Celebration at the McNamara Alumni Center on October 29, 2008.

ALUMNI ASSOCIATION AWARD RECIPIENTS

College of Design
Outstanding Alumni Society

Chicago Chapter
Outstanding Alumni Chapter

San Diego Chapter
Program Extraordinaire

School of Dentistry
Program Extraordinaire

**College of Food, Agricultural and
Natural Resource Sciences (CFANS)**
Program Extraordinaire

Megan Hines, CFANS
Student Volunteer of the Year

Dana Souther, CFANS
Staff Volunteer of the Year

UNIVERSITY OF MINNESOTA SERVICE AWARD RECIPIENTS

Mary Endorf
College of Education and
Human Development

Scott Manwarren
College of Food, Agricultural
and Natural Resource Sciences

Neal Gualt
Medical School

Eugene Ollila
Medical School

Arnold Hill
School of Dentistry

Dennis Schulstad
Alumni Association

James Jernberg
Hubert H. Humphrey Institute

Margot Siegel
College of Design

Julie Johnson
College of Pharmacy

Ellen Sorenson
Band Alumni/School of Music

Juanita Luis
College of Liberal Arts

I was sure my partner, Bernie, and I needed therapy. Certainly I have faults, but the night before we left for a long weekend, I lay in bed concentrating on his. I had two major complaints. I didn't know when, but sometime during our three-day weekend I knew Bernie would give me the opportunity to point them out.

I like to get out on weekends, but Bernie prefers to sit on the couch and watch PBS mysteries. When he finally agreed to go away, I pulled out my newspaper clippings and he pulled out his. He talked eight-hour drives; I thought two. He wanted dark redwoods; I wanted ocean light. He wanted to stay outside, snap photos, and eat trail mix. I wanted a comfortable place to read, hike a little, and eat pumpkin risotto. Soon, I was ready to abandon the whole trip and spend the money on therapy, but I knew Bernie wouldn't split the cost. He'd rather spend the money on a fourth hard drive for his computer.

Nevertheless, on a Thursday afternoon Bernie pointed the car south toward California's Big Basin Redwoods State Park. Big Basin because its three waterfalls were rated "9" by the *San Francisco Chronicle* and, since it had been raining for months, they would be obscenely full. Big Basin because Bernie can make up his mind and I can't.

It always happens like this. I vacillate and suddenly, instead of being on a plane to Paris, we are on Highway 101 heading north to camp in northern California's marijuana-infested Redwood Groves. The last night on that trip, Bernie placed himself in a slight depression on the ground and the pouring rain pooled directly under him, soaking his back while I slept, dry and comfortable. I wasn't exactly glad he was wet, but it was satisfying.

Who cares about waterfalls—harsh hikes with unforgiving inclines? And then there was Bernie's cold. Why go hiking when he's sick and hacking every few minutes? Even when he's healthy he lags behind—always trailing me by 10 feet.

"I hope you're not going to be angry," he said, halfway down the coast, "because I'm still coughing a lot."

It was true. I do get irritated by things that are seemingly not his fault. But I couldn't help but think that Bernie could do more about his cough. Everyone else had a cold or the flu but he insisted his cough didn't require rest. "What makes you special," I asked?

"I have post-nasal drip," he said. "It's a sinus issue, not a cold. Only colds require rest."

I thought we would stay on the coast at a lodge, rustic but with full amenities. Instead we ended up at a motel painted resort red that looked like a converted Boy Scout camp. Our cabin smelled



Big Basin

Two reasons for couples therapy

of disinfectant and drooped in the constant rain. No one would be delivering ricotta pancakes dripping with raspberry coulis, but Bernie said we couldn't afford the extra hour it would take to get from the coast to the park. "We need the time to see all three waterfalls," he said.

Once inside the park, I worried about the 10-mile, six-hour hike, categorized as "strenuous." We were out of shape, and Bernie's post-nasal drip made him cough like a snorting mountain lion. Everything doesn't have to be mapped out, I told myself. If it doesn't work, we'll turn around. Just like I don't have to know how our therapy discussion will go; we can turn back if it doesn't work.

10:30 a.m. Showers forecast, path muddy with yesterday's rain. Ferns glom to the trunks of redwoods, Douglas firs, tan oaks, and every rock or wood surface handy. The heavy net of green, myste-

rious, like the inside of an algae-covered aquarium. On the path, tufts of dislodged celadon moss float like spider webs. The creek sloshes, gurgles, rustles, roars, and cranks out every other sound torrential water can make when rain has slammed into it for the past five months.

11:30. Bernie tells me a friend is in relationship therapy. Hmm. I let that hang in the humid air for a minute.

"Bernie," I say off-handedly, "I was thinking we need to go to therapy." Whenever I say we need to talk about our relationship or hint that friends find time to take romantic getaways, he says he feels pretty good about the relationship.

"For what?"

"For two reasons."

"I feel pretty good about our relationship," he said. "What are your reasons?"

"Well, I can only think of one reason right now," I say, "and I can't tell you that until I can think of the other."

Noon. Only three people pass us in an hour and a half. We dip, climb, dip, and climb. What was my second complaint? Don't force it, I tell myself as I look at Bernie, it will come.

12:30. Why was I hiking? Why wasn't I reading in an upscale hotel room beside a vase of yellow and white tulips? Do I even like hiking? As a child I walked with my dad in the summer rain but I didn't start hiking until I was 27 years old and lived in a rain forest on Vancouver Island. There, I hiked alone in the rain from the beach to the small fishing village of Ucluelet to call my brother on his wedding day. Hiking back, I thought I heard a mountain lion.

1:00. We forge the 15th small lake of rain water and the balls of my feet burn. It's annoying that Bernie wades straight through the pools of water, while I, trying to keep my shoes dry, tiptoe on logs and drop farther and farther behind. Use your time well, I tell myself. Think about five-year life goals. But in the dark of the 1,500-year-old redwoods, life goals seem inconsequential.

1:30. Waterfalls. The first, Silver Falls, plummets in a thin diaphanous spray. The second, a few minutes later, is Golden Cascade, higher, fuller, more like a curtain. We find a place far enough from its roar to eat the lunches we packed. Our salad of raw broccoli and onion reminds me I read that raw vegetables can be poisonous. Bernie's tofu is good but my cheese and tomato sandwich is mushy and filled with bitter, yellowing cabbage. Why is there cabbage in a cheese sandwich, I wonder, and curse the town's neo-hippie health food store.

2:00. Berry Creek Waterfall, the third, loveliest, most symmetrical, and most photographed. At the bottom, a lovely pool and bench surrounded by ferns and spray. At the top, a wide rock precipice, cascading water. Then, halfway down the 70-foot drop, two boulders divide the stream, which parts and then rejoins. A successful therapy.

3:00. Drizzle. We head back. In the dark of a March rain, redwoods are ominous. I plod slowly and carefully and Bernie slipshods along. A ghostly green scrim settles between the woods and us so it seems we're walking through the same exquisite scene over and over, stepping forward but not covering any distance.

The rain drenches our shirts and we speed up for a minute but our legs say slow down. I climb up the hills in front of Bernie because his knees strain; coming down he walks in front because

of mine. I do deep breathing to keep my feet moving and wonder how many mountain lions this stretch of redwoods supports.

3:30. "My oxygen levels have always been low," Bernie says. Bernie has had two open heart surgeries. Is he implying he could drop dead? I consider this. I look at his hunched posture, which I have mentioned to him a few times before. "Perhaps if you straighten up," I suggest, "you could get higher oxygen levels."

4:00. Baby toe blistered, every step painful, sit on wet and decaying redwood stump. Hard rain, glasses fogged, jeans wet.

6:00. Bernie thinks he sees a shortcut. Is he right? Could it be a mistake that will take us even longer? I follow him; it saves 15 minutes! I am so grateful I forget the cough, the oxygen levels, his splattering through puddles.

6:30. Cold and soaked but rejuvenated by seeing my car in the parking lot, we arrive back at the trailhead. "Bernie," I say, "we could have done even another hour, don't you think?"

At the motel, endorphinic and quiet, we showered, rinsed shoes, stretched, napped, and watched two gardeners on BBC solve a mystery. At midnight, Bernie stopped coughing and I listened to the rain slapping onto the roof and into the river.

To return to San Francisco the next day, we looped around to Pacific Coast Highway 1. At Half Moon Bay, Bernie pointed out a hotel where we had stayed 10 years before. "How did we end up there?" I asked. "It's not like you to stay in a hotel only 20 minutes from home."

"It was when we first went out," he said. "I was trying to show you I knew a thing or two."

The coast did have more light—from the sun and because the expanse of the Pacific, even on a gray day, creates its own light as water droplets scramble in the air.

We drove up to Pacifica and ate at an upscale diner. The portions were large and the prices reasonable, but it wasn't the pumpkin risotto for which I would have happily paid four times as much.

Still, driving north to San Francisco, I was smiling. Bernie said, "I was worried you wouldn't have a good time."

Why would he think that?

It's true Big Basin wasn't exactly what I wanted, but I'm not sure what that was. It wasn't pumpkin risotto, books, and chocolate, but it was an escape. I hadn't thought about the fight I would have with AOL when I canceled my service, my two reports overdue by a month, or my chain-smoking downstairs neighbor pounding on her ceiling with a broom handle. I had wanted a peak experience that would lift me to a new world. Failing that, I at least wanted to come back a different person, someone not constantly irritated, who knew where she wanted to go and went. Big Basin wasn't that, but I learned the difference between the trunk of a Douglas fir and that of a redwood. I walked under 200-foot-high canopies that filtered the light to emerald green. And our 10-mile hike generated endorphins that produced a mood as blissful as chocolate.

And I still can't remember the second reason we needed therapy. ■

Mardith Louisell (M.S.W. '76, M.A. '99) lives in San Francisco and works as a child welfare consultant. Her essays have been published in anthologies and in literary and online journals.

First Person essays are written by alumni, faculty, students, or anyone with a University connection. For writers' guidelines, visit www.alumni.umn.edu/minnesota.

A Tough Act to Follow

It's a chilly fall evening, but the atmosphere at Eastcliff, the official home of the University of Minnesota's president, is warm and welcoming. Members of the Friends of Eastcliff Book Club, established by University President Bob Bruininks and his wife, Susan Hagstrum (M.A. '77, Ph.D. '87), are gathered in the dining room, talking in groups and enjoying refreshments. Some of the warmth comes from Hagstrum, who circulates throughout the room. A self-described "high-E extrovert," she is relaxed and quick to laugh and focuses intently on the person she is speaking to. ■ Hagstrum calls the club members together into the living room and takes her seat in front of the fireplace next to the evening's featured author, David Lebedoff (B.A. '60), an award-winning author of five books, a Twin Cities attorney, and a University regent from 1977 to 1989. "All of the authors have a connection to the University," Hagstrum says. "And we don't choose their book unless they agree to come to the meeting," she adds with a smile. This evening, there is a good turnout, more than 20 members. Bruininks melts into the group, sitting on a couch with other members, books in their laps. ■ The group focuses on Hagstrum, who occasionally glances at note cards as she introduces Lebedoff and his book, *The Same Man*, a dual biography of the British authors George Orwell and Evelyn Waugh. She speaks easily and holds the attendees' attention. Lebedoff has a tough act to follow. ■ "People in attendance have a lot more fun because of her," Bruininks says. "She is upbeat, positive, magnetic." ■ Hagstrum treats everyone as her personal guest, and all of them are: She is the hostess of Eastcliff, in the tradition established by previous first ladies. It's a role she relishes and is well-suited to. But in the six years Bruininks has been president, Hagstrum has also carved out her own role. And while she has accomplished much for the University, she won't be satisfied until she achieves one particularly important goal: establishing a center for multiple sclerosis (MS) research and treatment at the U.

**SUSAN HAGSTRUM,
MARRIED TO
UNIVERSITY PRESIDENT
BOB BRUININKS, IS NOT
ONLY THE U'S MOST
DEDICATED VOLUNTEER,
SHE'S A TIRELESS
CHAMPION OF FINDING
A CURE FOR MULTIPLE
SCLEROSIS.**

BY MICHELE ST. MARTIN
PHOTOGRAPH BY SARA RUBINSTEIN



BEING FIRST LADY WAS NOT in Hagstrum's career plan. When Bruininks' presidency began, in 2002, she had worked in K-12 education for 27 years and had a demanding career as a consultant to school districts and nonprofit organizations on strategic planning and management, working on everything from helping suburban districts develop voluntary desegregation plans to working with school boards on board development.

After earning her bachelor's degree in speech pathology from Northwestern University, Hagstrum taught in Chicago for a year before ending up back home in Minnesota, working for several suburban public schools, first as a speech pathologist, then, after earning her master's in speech pathology, coordinating special education programs, and finally in administration.

It was while she was working on her doctorate in education policy and administration that Hagstrum and Bruininks met. It was 1981, and he was chair of the psychosocial studies department in the U's College of Education and Human Development. "He offered a job that paid half what I was making," Hagstrum recalls. She turned down the offer. "I was single and I had a mortgage to pay."

Hagstrum says it took Bruininks two years to call her for a date; Bruininks insists it took only one. They were married on New Year's Day 1985. During their courtship, she had become a mother figure to Bruininks' three teenage sons from a previous marriage whom he was raising as a single father. She refers to them as "our kids," and Bruininks and Hagstrum now have three grandsons.

In 1996, Hagstrum was invited to do some consulting with a school district in Scottsdale, Arizona. At the time, her interest in climbing the career ladder of K-12 administration was waning. She explains, "I was approaching 50, a time when a lot of my friends were looking at superintendencies. I wasn't sure if it would be enough fun—talking to teachers about salaries, etc.," she explains. So she jumped at the consulting job, using vacation time from her education administration job to work on the project and finding a vocation she loved.

When Bruininks became president in 2002, their kids were grown and had moved on and Hagstrum's consulting business was so busy that she was turning away work. The two hardly saw each other. "Bob was about a year into his presidency when he said, 'I miss you. Would you be willing to set [your career] aside?'" Hagstrum recalls. Bruininks proposed that she expand the role of the president's spouse by becoming a University associate, a full-time volunteer.

"We talked about it and put her anticipated schedule next to mine, and we would not have been even ships passing in the night," Bruininks recalls.

It was not a hard sell, Hagstrum says. "It was a mutual decision; we were both kind of frustrated" by their lack of time together. And besides, "There were grand things going on around here," she says. "I didn't want to keep missing all the fun."

Today, as a University associate, Hagstrum has a part-time assistant and is reimbursed for expenses such as mileage. "I'm uncompensated and welcome to do what I choose to do," Hag-

"THE CURRENT ECONOMIC CRISIS DOESN'T MAKE THIS AN EASY TIME" TO ESTABLISH THE MS CENTER, SAYS HAGSTRUM, WHO, NONETHELESS, IS UNDETERRED. THIS IS A PROJECT THAT JUST CAN'T WAIT, SHE SAYS, POINTING OUT THAT MINNESOTA IS THE NATION'S MS CAPITAL.

strum explains. "I'm appreciative that I can do this work."

Says Bruininks: "She's a spectacular representative of the University."

Traditionally the spouse of the U of M president serves as an ambassador of sorts for the institution, as does Hagstrum. But as the U's chief volunteer, she has sharply outlined the role for whoever follows her. "Most often, university spouses' service is [through] involvement with the arts," she says. "It's an important role." Hagstrum has served on the boards of the Weisman Art Museum, Bell Museum of Natural History, and the Duluth campus's Tweed Art Museum. "I'm really proud to have helped the Weisman gather the funds to do the addition," she says, referring to the \$10 million expansion that will add 11,000 square feet to the museum. "We're moving forward; we've met our goal." She has helped the Bell Museum land some major gifts, has supported collaboration between the Weisman and Tweed museums, and is planning to host a Twin Cities fundraiser for the Tweed. "There are a lot of UMD grads in the Twin Cities," she notes.

Hagstrum has also served on the boards of the University of Minnesota Pediatrics Foundation, the Minnesota Landscape Arboretum, and the College of Education and Human Development. "As a graduate of that college, it's near and dear to my heart," says Hagstrum, who was named one of its distinguished alumni during the college's centennial. Hagstrum has been an

HAGSTRUM'S TIES TO THE U

When speaking to friends and alumni of the University, President Bob Bruininks often points out that he has been associated with the U for 40 years—a quarter of its history. He joined the faculty in 1968 and has served as a dean, executive vice president and provost, and interim president before being officially tapped as president in 2002.

One could argue, however, that his wife's roots to the U run even deeper. "I grew up around this university," says Susan Hagstrum (M.A. '77, Ph.D. '87), who was born and raised in St. Paul, not far from Eastcliff. Her father and three brothers all graduated from the University. In 1989, her uncles Jean and Homer Hagstrum had the distinction of becoming only the second set of brothers to receive honorary degrees from the U in the same ceremony (the first were the Mayo brothers). Her father, Hugh Vincent Hagstrum (B.A. '39) and always called Vincent, was named after George Vincent, the U's third president. "My grandmother admired educators," Hagstrum explains. "She had a great deal of respect for George Vincent."

invaluable fundraiser (or “friend raiser” as she puts it) for various University projects. “That’s probably the major thing I do,” Hagstrum says. “It’s across the board. There are no limitations on department or college. I consider that my responsibility.”

Hagstrum is active with a variety of organizations in the wider community as well and serves on the boards of the Guthrie Theater and the Minnesota chapter of the National Multiple Sclerosis Society. “Susan has a certain cachet,” says Maureen Reeder, president of the Minnesota chapter of the National Multiple Sclerosis Society. “She can reach out and access people we can’t reach in any other way. And she makes people feel appreciated and special. We are very lucky to have her.”

Hagstrum has strong convictions about issues surrounding MS: Her mother was disabled by the disease.

“My mother was a heroic woman,” Hagstrum says. “She was very brave, a saint. She was diagnosed in her 40s; I think she had it in her 20s. My parents were very good about being sure [the children] were not responsible for mother’s care. My grandmother moved in and took care of her.”

Hagstrum’s grandmother had been an executive with Pacific Light and Power. “She was a disciplined, strong, demanding woman,” Hagstrum recalls. As her grandmother aged and MS ravaged Hagstrum’s mother, the family turned to in-home care. Hagstrum’s mother experienced some paralysis and required special transportation to leave her home, usually only for doctor’s appointments. “And she suffered the indignities of losing

her bowel and bladder function,” Hagstrum says. Her mother died at home at the age of 76.

Hagstrum, who serves on the MS Society’s executive committee and is in line to become board chair, isn’t valuable only for her connections. “Susan is willing to take on difficult projects,” Reeder says. As an example, she recalls a scholarship program for the children of MS patients. “Not a lot of people would take leadership to raise money for something new,” she says. “Susan said, ‘I will.’”

Hagstrum’s work on MS issues goes beyond volunteering for the MS Society. She dreams of establishing a center at the U for multiple sclerosis research, treatment, and education, the first such center in the Midwest. And she’s determined to make that dream come true.

Her personal qualities coupled with the experience of watching her mother suffer make Hagstrum unstoppable in working toward establishing an MS center, says Gareth Parry, M.D., a professor of neurology at the U. He and Hagstrum, together with Reeder, whose mother also had MS, are working hard to make an MS center a reality.

So where does Hagstrum come in? “The first word that comes to mind: enthusiasm!” says Parry. “She’s a pistol. So much energy! She accepts rejection with extremely good grace but extreme reluctance. She just looks for another strategy to reach her goal.”

That kind of persistence—and Hagstrum’s fundraising ability—may be key to finally establishing an MS center. So far, just the three of them are working on the proposal, though they do have the ear of leadership at the U’s Medical School and Academic Health Center. “The current economic crisis doesn’t make this an easy time” to establish the MS center, says Hagstrum, who, nonetheless, is undeterred. This is a project that just can’t wait, she says, pointing out that Minnesota is the nation’s MS capital (see sidebar at left). And she underscores the need for more neurologists trained to treat patients with MS. “Many of the neurologists in the Twin Cities [who treat MS] are nearing retirement.”

MULTIPLE SCLEROSIS FACTS

What is multiple sclerosis? Multiple sclerosis (MS) is a neurological disease that strikes the central nervous system. The severity and progression of the disease vary widely from person to person. Patients with mild to moderate MS may experience few or slight symptoms (such as numbness of some limbs), while at its most severe the disease can be disabling, causing paralysis and blindness.

What causes MS? To date, no single cause has been identified. Many scientists believe that multiple sclerosis is an autoimmune disorder that occurs when a “perfect storm” of immunological, environmental, genetic, and infectious factors come together.

Who gets MS? Women are two to three times more likely than men to get MS. In addition:

- The farther a person lives from the equator, the more likely he or she is to get MS. Minnesota has the most MS cases per capita in the United States.
- MS occurs in most ethnic groups, but the highest rates occur in people of northern European origin.
- Although MS is not an inherited disease, a genetic component does exist. People who have close relatives with MS are more likely to have it; the more immediate the relative, the higher the odds.
- Approximately 400,000 Americans have been diagnosed with MS; around 200 new cases are diagnosed each week.

How is MS treated? Is there a cure? To date, a cure for MS has not been identified. However, medication is available that can, in many cases, slow the disease’s progression or relieve its symptoms.

BRUININKS’ CURRENT TERM AS PRESIDENT ends in 2011. And while Bruininks and Hagstrum look forward to traveling more, such as to the West Coast where their three grandsons live or to their cabin in northeastern Minnesota, the Twin Cities is their permanent home.

“Like many people, this university changed my life,” Hagstrum says. “I knew what I was doing when I put my career on hold.” Being a University associate and president’s spouse “is the best and most fun job I’ve ever had.”

Hagstrum predicts Bruininks will rejoin the U faculty after his presidency and says she’ll continue pouring her energy into finding a cure for MS. “If I won the lottery, I would make that MS center happen tomorrow,” she says. “I’d fund an endowed chair, therapy pools, workout facilities. I care about this because this has such a deeply personal meaning to me. If I could look back on these years and see that happening, I would feel an unbelievable sense of accomplishment.”

Continues Hagstrum: “I think I would hear my mother’s voice saying, ‘Good girl, Susan.’” ■

Michele St. Martin is a former editor of the Minnesota Women’s Press and is currently executive editor at New Moon Girl Media.

Down to Earth



How can our planet support 10 billion people?

That's the sort of question Jon Foley at the Institute on the Environment plans to answer.

Sitting behind his desk at the Institute on the Environment's offices on the St. Paul campus, sleeves rolled up to better shape thoughts in the air, Jon Foley elucidates his vision for the University of Minnesota's two-year-old institute. While his words illuminate his plans, however, the only light in the room itself comes from a window framing an overcast November sky. ■ Focused on a vastly wider world of environmental issues, Foley doesn't notice such details as the office lights turned off. He's the new director of the institute, a position he assumed this past August after an eight-year stint as director of the University of Wisconsin's Center for Sustainability and the Global Environment (SAGE), which he founded at the age of 32. ■ Now 40, Foley is a scientist at heart, as comfortable analyzing data sets as he is talking about his plans for the institute. And when he begins talking about current environmental problems, he exudes a clear and forceful confidence that conveys not only that he knows what he's talking about, but that he's determined to do something about it. ■ "We hear a lot about the environment today, whether it's about a new technology we can use to create renewable energy or about how we can recycle better or how we use local food," Foley says. "Those are all tactical issues. The strategic question, the greatest of the grand challenges of the 21st century is really one question: How are we going to provide for the pillars of our civilization—food, fresh water, energy, health? How are we going to sustain those in a world that might be 9 or 10 billion people in the future, where presently 90 percent of the world has almost nothing? How are we going to pull that off without killing ourselves? That is the greatest challenge of the 21st century, and that's ultimately where I think we should be aiming."

BY DAVID MAHONEY

//

PHOTOGRAPH BY JOE TRELEVEN



“We’re embedded in a regional and global economy. Our environmental issues driven by energy are from oil halfway across the planet. Our invasive species know no boundaries; they come from other continents as well. The specters of climate change and air pollution don’t respect national or state boundaries. So focusing only on the geographical dominion of the state of Minnesota is absolutely going to fail if that’s how you address environmental problems in the long run.”



When Jon Foley talks about the future potential of the Institute on the Environment—or IonE, as it’s known for short—he presents a convincing case that the sky is the limit. But the journey that led him from a childhood in Maine to the directorship of the institute has all been about coming back down to earth.

“What I wanted to be when I grew up was an astronomer, so I actually started out my academic life in physics and astronomy,” Foley says. Even while his gaze was turned to the heavens, though, he was intrigued by the apparently privileged position in our solar system occupied by our own planet. “Why is Earth the Goldilocks of all of our planets? Venus is too hot, Mars is too cold, Earth is just right. And how does this compare to other solar systems around the universe? This kind of thing still fascinates me.”

That awareness of Earth’s special qualities swayed Foley to refocus his attention on Earth’s climate and the study of meteorology. “But for some reason or other I seem to be a little bit of a misfit in whatever field I happen to be in at the moment,” he says. Having settled into the atmospheric sciences, Foley began think-

ing about how ecosystems interacted with the atmosphere. “The stuff we have in the air—the carbon dioxide, the methane, or oxygen—a lot of that’s mediated by life, and so your understanding of our climate is incomplete unless you know something about the life on this planet.”

The final twist in Foley’s journey was that he began to incorporate humans and their land-use practices, such as agriculture and forestry, into his climatic considerations. In keeping with his big-picture beginnings, he looked at the interaction of these practices with the climate in a global context. “One thing I did learn from astronomy is not to be wiggled out by scale,” he explains.

Wiggled out or not, Foley knew he couldn’t tackle these planetary issues on his own. Eventually, he set out to create a center at the University of Wisconsin, where he had been on the faculty since 1993, that would bring researchers together to work on global environmental problems.

At its start, SAGE had no funds and one employee: Foley. By the time he left the University of Wisconsin, the center had about 60 people and several million dollars in funding “We grew it deliberately . . . and showed how this investment paid off, and it worked pretty well,” Foley says. “But we also ran into the

Fueling Research

It’s not often that one can witness a large roomful of people sit in rapt attention as speakers hold forth about pond scum. Last November’s E3 Conference, organized by the University’s Initiative for Renewable Energy and the Environment (IREE), offered just such an opportunity. The panel presentation on algae’s potential to become one of the next big biofuels was one of 15 breakout sessions attended by more than 700 academics and industry representatives who had converged on St. Paul’s RiverCentre to learn about the latest research in the ever-changing and fast-growing field of renewable energy.

Now a “signature program” of the Institute on the Environment, IREE was initially fueled in 2003 by \$20 million allocated by the Minnesota State Legislature from Xcel Energy’s renewable development and conservation improvement program funds. To date, IREE has funded 135 faculty research projects at the University of Minnesota that run the renewable energy gamut from biofuels to hydrogen to solar and wind power.

“Early on, we established some investment principles and some core values, and among them was that we put a high

premium on multidisciplinary effort,” says Dick Hemmingsen, IREE’s director and a guiding force behind the initiative from its inception. He recounts a meeting in IREE’s early days attended by Professor David Kittleson, head of the University’s Center for Diesel Research; Professor Roger Ruan, in bioproducts; and Professor Donald Wyse, in agronomy. “So here was an interesting combination, if you think about the system of renewable energy in the biospace: Somebody’s got to grow this stuff, somebody’s got to convert it, and somebody’s got to figure out how to use the fuels. These three individuals met for the first time at one of these informational meetings that IREE organized, and now they’re collaborators.”

Hemmingsen points proudly to the commercial potential of IREE-funded research: “The patent disclosure activity in the renewable energy portfolio at the University of Minnesota, which is largely IREE supported, is two and a half to three times greater than anywhere else in the University.” Given that track record, it’s possible that down the road someone may not only figure out how to efficiently convert algae into fuel but also into a fortune.

—D.M.

limitations of what a small center could really do.”

What the University of Minnesota offered, Foley says, was a high level of institutional commitment and an aspiration to go beyond the standard methods that universities had typically employed to address environmental issues. Senior Vice President and Provost Thomas Sullivan, who was instrumental in both the creation of the institute and the hiring of Foley as its director, says that the University has had long-standing strengths in the environmental arena. “But our feeling was that the efforts, spread across many colleges and numerous departments, may have been too dispersed to have the research and policy and public engagement impact that it really should have,” Sullivan says.

“The full expectation is that Jon Foley and his faculty colleagues here at the University will be able to make this new institute into a world-class center on environmental research and public policy questions around that research that will attempt to solve many of the big, global, environmental issues of the day,” Sullivan continues. “We expect this institute to be on the world stage, making huge contributions.”

But it wasn't the University alone that attracted Foley to Minnesota. “We have some of the most innovative companies in the world right in our backyard,” he says, citing 3M, Medtronic, Cargill, and General Mills as examples. “We're sitting on a gold mine. This could become the next Silicon Valley for sustainability solutions around themes of energy and fresh water and food and human health.”



Helping IonE turn its grand ambitions into reality will be a group of about a dozen resident fellows chosen from the University's faculty. Each of the fellows, who will rotate through the institute in three-year terms, will be given \$75,000 to support new research or other activities that promote the institute's mission. Also, starting early this year, IonE will fund a handful of major research projects selected from proposals submitted by interdisciplinary faculty teams, with each team receiving roughly \$250,000.

Foley likes to think of himself not as a bureaucratic director but as the institute's

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“chief science officer.” The McKnight Presidential Chair in the Department of Ecology, Evolution, and Behavior, he says he plans to play more than just a supporting role in research. The interaction between land use and climate that has been at the heart of Foley’s research for the last several years will become the foundation of a project called the Global Landscapes Initiative that he is launching at the institute.

“One of the most transformative things we’ve done to the world is the invention of agriculture,” Foley says. “We use something like 20 percent of the world’s landscapes for growing crops, another 20 percent or more are in pastures, and we barely understand how they work at the global level. We do pretty well in the Midwest, but what’s happening in the Amazonian frontier? What’s happening in Indonesia with the oil palm plantations, now that they’re expanding? How are these systems responding to new global markets for bioenergy, for animal feed as people eat more and more meat across the world? What does that mean for the environment?” Foley says that the “toolbox” that his team will be using to answer these questions will include satellite imagery, computer modeling, and global networks of on-the-ground observations.

Among the likely members of the Global Landscapes Initiative team is renowned ecology professor David Tilman, one of IonE’s founding fellows. Tilman, who was recently awarded the prestigious International Prize for Biology for his seminal biodiversity research, has been studying 45 years’ worth of data to try to understand how the demand for more and different kinds of food—brought about in response to a global population that is growing not only in size but in affluence—will affect land-use changes around the world, such as the conversion of tropical rain forests and temperate grasslands to farmland.

“Jon and I have independently come to think that we have to look in much more depth at land-use change, most of it driven by agriculture, because it could have a surprisingly large impact on global climate in the long term, as well as on the loss of biological diversity,” Tilman says. He adds that, according to his research, the “net total effect” of agriculture on greenhouse gases in the

atmosphere may within a few years be nearly equal to the effect on the atmosphere of burning fossil fuels.

Tilman is no stranger to the kind of interdisciplinary efforts that IonE champions, having worked with economists and mechanical engineers on research teams sponsored by the University’s Initiative for Renewable Energy and the Environment (IREE). IREE, which has been funding research on biofuels, hydrogen, wind, and solar energy since its inception five years ago, has now been brought under IonE’s umbrella as a “signature program,” giving the institute a leg up on bringing scholars of diverse backgrounds together to solve problems.

Breaking down the barriers between the University’s disparate disciplines is just the beginning of what Foley thinks IonE needs to accomplish. “If all we’ve done is discover the stairwells of the ivory tower and now we’re going up and down between the floors a little better, that isn’t good enough,” he asserts. “We have to really make a bigger kind of transformative change to make sure we really do engage in broader society—the private sector, the NGO world, media, the arts, and government—and really try to build more of a network model, where the walls are permeable in both directions.”

Ultimately, the best model for how to go about addressing the grave environmental concerns facing the world today might be the environment itself—a lesson Foley said he learned in an after-dinner conversation with his sister-in-law, an environmental advocate in New England.

“We need good scientists, we need good engineers, we need good policy wonks,” says Foley. “But what we don’t need is a zoo of them, where we have one or two in their cages over here, one or two in their cages over there. That’s a broken ecosystem. We need to make sure people are traveling outside their usual haunts and connect up the ecosystem, not just hanging out with the members of their own species.”

Continues Foley: “We’re trying to figure out how to design the institute to be not a zoo but a real, functioning ecosystem.” ■

David Mahoney is a Minneapolis-based writer and editor.

Enhancing the River

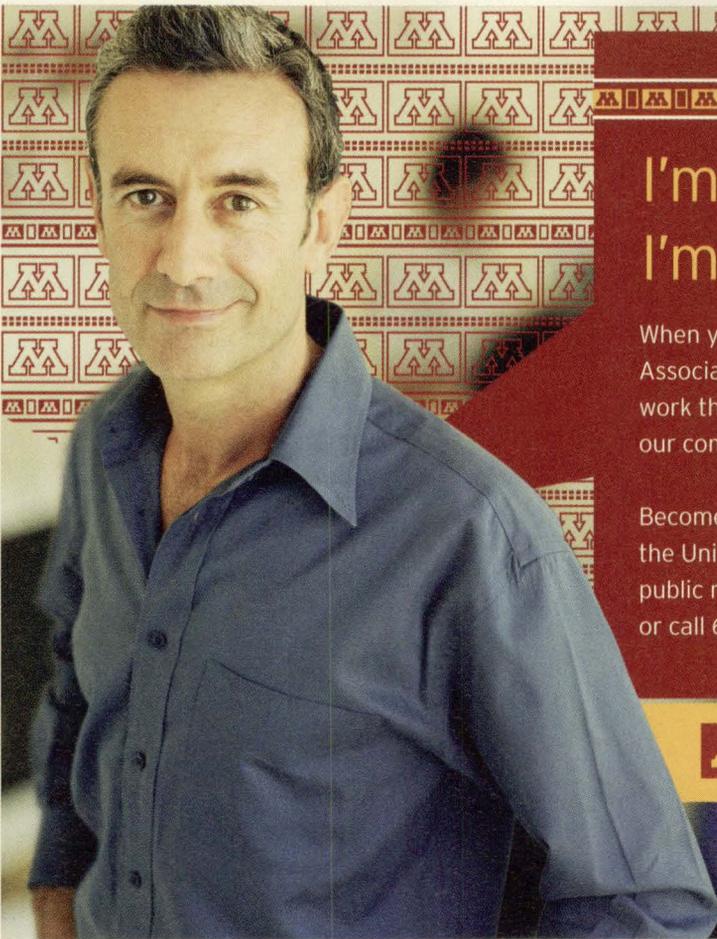
“**Bdote**” is what the Mdewakanton Dakota people call the confluence of the Mississippi and Minnesota rivers. A site both sacred and profane, it’s the traditional center of the Mdekwanton universe as well as the location of an internment camp for women, children, and elders established in the aftermath of the 1862 Dakota uprising. The complex emotions stirred by the confluence area are given eloquent voice in a video on the Web site for Telling River Stories, a project of the Institute on the Environment’s River Life program.

Consisting mostly of a map of the Mississippi River with links to various forms of stories about places on the river, the Web site is just beginning to take shape. “Telling River Stories will populate that map with the stories of how people and communities have shaped the Mississippi and how the Mississippi has shaped the people and communities along it,” says program director Patrick Nunnally, his voice betraying just a

hint of his Tennessee origins.

With its attention to social history and design, the River Life program is evidence that IonE is not solely concerned with hard data and technology. What it does have in common with all of the institute’s undertakings, though, is a goal of building partnerships to find solutions to problems—in this case, the problems posed by insensitive development along the Mississippi River.

“Cities are complex human systems. Rivers are complex biophysical systems,” explains Nunnally. “So where rivers and cities come together, that’s where you have to bring in all of the range of disciplines and professional perspectives so that what we do to the river that runs through us enhances that river rather than harms it. If we can figure out how to enhance the river, we have a chance to be here for a long time. But if we can’t, then we’re ultimately harming ourselves.” —D.M.



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Sexual Healing

For 30 years, the U's Eli Coleman has been a relentless champion of sexual health. It's not just about the absence of diseases and disorders, he contends. Sexual health is a basic right.



The shelves and window ledges in Eli Coleman's office on the West Bank of the Minneapolis campus are a glorious mess. They're cluttered with hundreds of items—ceramic houses, animals, divinity figures, coffee mugs, and stuffed toys, to name a few—that Coleman (Ph.D. '78) has collected in his years of crisscrossing the globe as director of the Program in Human Sexuality (PHS) at the University of Minnesota Medical School. "They're a memory of all the different places in the world where I've met wonderful people and maintained friendships," Coleman says. ¶ But these are not just the baubles of an inveterate traveler. Rather, they tell a tale about the distances that Coleman has traveled in a career devoted to advancing healthy attitudes, practices, and policies toward human sexuality.

In his 30 years at PHS, almost 20 of them as director, Coleman has become one of the world's most highly regarded experts in human sexuality, and the program he directs has achieved international stature as the premier center for sexual health. In 2007, the same year that he received the prestigious Gold Medal from the World Association for Sexual Health (WAS) and was elected president of the International Academy of Sex Research, Coleman was named the holder of the world's first academic chair in sexual health, established at the U with a \$4 million endowment. A psychologist by training, Coleman has devoted his life to helping people struggle with problems in the most intimate aspect of their lives: unfulfilling sex lives, compulsive sexual behaviors, confusion about gender and sexual identity, and myriad other issues. "The constant refrain we hear from people who were so troubled and despairing is 'you saved my life, I don't know what I would have done without PHS,'" Coleman says.

But it would be a mistake to view Coleman's work as essentially private. On the contrary, the untold number of hours he has spent listening to clients' personal torments has led him to conclude that sexual health fundamentally has a public as well as a private component. "People are very much influenced by the environment they're in. That has led me from working with clients to wanting to change the social climate," Coleman says. Thus has Coleman sometimes waded into the treacherous waters of public policy debates on hot-button issues such as sex education and HIV/AIDS. He considers his work, whether it's conducted in his office,

the classroom, or the halls of government, a seamless whole that begins and ends with compassion.

The next frontier, he says, is to raise awareness about every person's sexual rights. It's a conviction shared by WAS, which calls sexual rights "universal human rights based on the inherent freedom, dignity, and equality of all human beings."

The meaning of "sexual health" is elusive, even for those who work in the field. "We've wrestled with defining sexual health and establishing measures of it," Coleman says. "There are lots of people who simply view sexual health as the absence of sexually transmitted disease. But when you define sexuality in the broad sense and recognize that it involves not only what we do with our genitals but also gender roles, our need for touch, human bonding, and eroticism, then sexual health encompasses a broad arena," Coleman says.

Walter Bockting, associate professor of family medicine and community health who works at PHS, says that it is crucial to consider sexuality an integral part of being human. "There's financial, mental, physical, and spiritual health. And then there's sexual health, though we haven't looked at it that way," Bockting says.

Indeed, that sort of holistic approach toward sexuality is new. Sexology, the study of sex, is a relatively young field of study that took root in Germany at the turn of the last century. Early sexologists, most of them physicians who were influenced greatly by the psychoanalytic theories of Sigmund Freud, were more inclined to focus on sexual disorders (understood to be

BY CYNTHIA SCOTT // PHOTOGRAPH BY MARK LUINENBURG

any behavior outside of socially acceptable norms) than they were to nurture their clients' sense of sexual well-being.

A significant shift in how sexuality was understood occurred in the 1950s, when the locus of sex research moved from Europe to the United States. During World War II, many sexologists had been forced to flee Germany, and Nazis had destroyed whatever work they left behind. But in 1948 and 1953, biologist Alfred Kinsey of Indiana University almost single-handedly resurrected the field with the release of two groundbreaking reports, "Sexual Behavior in the Human Male" and "Sexual Behavior in the Human Female." Kinsey's carefully documented scientific research challenged conventional beliefs about sexual orientation and sexual behavior, both inside and outside of marriage. He posited, for example, that a certain amount of attraction to other men was a normal phenomenon in all men, not just those who identified as homosexual. In sum, the Kinsey reports suggested that normal human sexuality was much more complex and variable than previously believed.

Kinsey's work provoked a public uproar. But it also cracked open a door to the possibility that human sexuality was less a fearsome force that required strict regulation than it was a little-understood aspect of human experience that deserved respect and warranted further study. The sexual revolution of the 1960s threw the door open wide to an all-out questioning of established norms related to sexuality, gender, and marriage and family life.

Out of this ferment emerged the Program in Human Sexuality at the University. In some ways, it was born of desperation: In 1970, Twin Cities-area clergy approached officials at the University medical school and pleaded for the school's help in training ministers to counsel congregants on sexual and relationship issues. Could the medical school offer its expertise and guidance, they asked? The request resonated with leaders at the medical school, who recognized that religious professionals weren't the only ones who needed training. Medical students did, too.

So in 1971 the medical school created PHS and assigned to it the tasks of teaching and conducting research in human sexuality. Thus did Minnesota become one of the first medical schools in the country to require students to take a course in human sexuality. A cornerstone of the PHS curriculum was the Sexual Attitude Reassessment Seminar (SAR), an intensive program that utilized lectures, media, and small group discussions to explore myths about sexuality, sexual practices, sexual identity, sex roles, adolescent sexuality, and related topics. The seminars were hugely successful; students devoured the opportunity to learn and talk about sex in a knowledgeable, nonjudgmental setting. In 1973, recognizing that a plethora of people were wrestling with sexual problems, PHS established a clinic that offered therapeutic services in addition to education. In 1977, PHS became a unit within the Department of Family Medicine and Community Health, where it remains today.

"Residency directors will tell you that they can tell the difference between students who have graduated from the University of Minnesota Medical School and those who have not in terms of the comfort and skill in addressing sexual issues as part of their medical practice," says Beverly Whipple, professor emerita at Rutgers University and secretary general of WAS.

June LaValleur (M.D. '87), who trained under Coleman and now helps teach the course, credits PHS with helping her become comfortable talking to patients about sexual issues. "I ask patients, are you in a sexual relationship? With men, with women, or both? Are you or you and your partner having any sexual difficulties? Physicians will have a million reasons for not asking these kinds of questions, but people look to physicians to have knowledge about sexual health. We want to train medical students to be "askable" physicians. In order to be askable, physicians need to be comfortable with their own sexuality."

The requirement that sexual health professionals be comfortable with their own sexuality was one of the first lessons that Coleman learned when he arrived at the University in 1976 to pursue a doctoral degree in psychology. As an intern at PHS, he helped teach the course at the medical school, including the SAR, and he also saw clients individually, as couples, families, and in group. The problems he encountered were legion, and they were often crippling for those who struggled. Sex offenders, men and women who were questioning their sexual identity, people attempting to work through sexual abuse, those suffering with compulsive sexual disorders, and myriad other psychosexual problems were the stuff of Coleman's everyday world. Coleman personally knew plenty about torment. When he began his graduate studies in 1970, the *Diagnostic and Statistical Manual of Mental Disorders*, the American Psychiatric Association's official guide to mental disorders, classified homosexuality as a mental illness—and Coleman is gay. Though homosexuality was delisted as a mental illness in 1973, Coleman nonetheless had to wrestle with reconciling his sexual identity to his professional aspirations.

"How could you be mentally ill and a psychologist? I thought there was no way I could live as a gay person and be a psychologist, so I felt I needed to put that part of myself behind me," Coleman says. While he resolved that issue before he arrived at the University, PHS provided an affirming environment like no other. Coleman is convinced that his own coming out process enhanced his capacity to help his clients. "As someone with a stigmatized identity you can very much appreciate the struggles and shame that people have with their sexual secrets. You have a special sensitivity in understanding that in others. That sensitivity translates into my work," he says.

Coleman joined the faculty of the medical school in 1978, and was appointed director of PHS in 1991. PHS has flourished under his leadership, training close to 10,000 University of Minnesota and Mayo medical students and tens of thousands of physicians, psychologists, clergy, and other professionals in sexual health. The Center for Sexual Health, PHS's clinic, treats close to 500 individuals and couples per year with approximately 1,200 patient visits per month. The faculty and clinical staff, which numbers 23, represent a variety of disciplines, including psychology, family medicine, psychiatry, marital and family therapy, and education. Twenty other research assistants and support staff make the Program one of the largest of its kind in the world. It is one of the few programs in the country training sexual therapists and researchers through a post-doctoral program.

"PHS is probably the most influential entity in sexual health around the world," says Chris Kraft, director of clinical services for the sexual behaviors consultation unit at Johns Hopkins



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Medical School and a former postdoctoral fellow of Coleman's. The program's stature is due in no small measure to its rare longevity—it has weathered vicissitudes in funding levels, public opinion, and institutional support that have sunk dozens of other academic programs in human sexuality. The reason, colleagues say, is Coleman.

"One of his incredible strengths, his ability to network, is totally based on his personality and enthusiasm for the profession," Kraft says. "Eli has a worldwide network. I went with him to a conference in Hong Kong and I watched him interact

with people and they just adore him. He's a big teddy bear. From that he can motivate people to do things, inspire them to do their work, facilitate people to work together. He is brilliant with handling different types of personalities; he knows how to work with people and policy."

Bockting, who has worked with Coleman at PHS for 23 years, puts it this way: "Eli is like an artist doing a painting or an actor in a movie constantly trying to figure out how to do things better."

Coleman has thought deeply about the concept of "sexual citizenship," a term that has been recently coined to

describe the status of people who have been given a full complement of fundamental sexual rights as part of the rights of any citizen. "Fifty years ago if someone were divorced, they were shunned. They lost their sexual citizenship," Coleman says. "We understand more and more that sexual health is linked to stigma. Those who fit into societal expectations have an edge in gaining sexual health because they have sexual rights. We really have to wrestle with the fact that sexuality is part of life and it isn't always expressed in a way that society says is ideal."

Last year, Coleman served as project coordinator and senior editor of *Sexual Health for the Millennium*, a far-reaching WAS document that asserts that promoting sexual health and sexual rights is central to wellness and sustainable development worldwide. It makes the case for including sexual health and sexual rights in the Millennium Development Goals, a United Nations initiative that outlines eight approaches to addressing global problems such as poverty, illiteracy, and the spread of HIV/AIDS (see sidebar). Situating sexual rights within the context of sustainable global development is an ambitious undertaking, but Coleman is unfazed. "Sexual health is essential to meeting these goals. If we address the sexual needs and rights of everyone in society, society will be enriched. When you deny people full education—for example, abstinence-only education that does not help in any meaningful way—you deny them citizenship and human rights," Coleman says.

Fear, he maintains, drives the controversy about sexual rights. "The fears are no different than those in the evolution of human rights," Coleman says. "The worry is that the whole structure of society will suffer. That is, if we give sexual rights—domestic partner benefits, letting people marry whoever they want—somehow our society is going to crumble. But there's also a greater understanding that if you give everyone their basic rights, everyone becomes more productive. And that's sexual citizenship. People have come to realize that citizenship is a basic human right. I don't think we've realized that with sexual rights, but we're working on that."

Coleman, who turned 60 this past year, recently bequeathed his estate to



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the program. And the endowed chair that was established in 2007 ensures that the work will continue. Coleman reflects that perhaps it is fitting that the endowment was raised in an unorthodox manner: 300 people contributed the first \$1 million, and an anonymous donor stepped forward with \$3 million more. "It's an unheard of way to fund an endowed chair. Sexuality is still rather stigmatized, so who wants to put their name to it?" Coleman asks. Like the trinkets that populate the window ledge in Coleman's office, the endowment speaks to the expansive community that inspires and informs Coleman's work. ■

Cynthia Scott (M.A. '89) is the managing editor of Minnesota.

Eleven Sexual Rights

The World Association for Sexual Health calls sexual rights "universal human rights based on the inherent freedom, dignity, and equality of all human beings." The association establishes 11 rights that must be recognized, promoted, respected, and defended in order to have a healthy society:

1. The right to sexual freedom. This excludes all forms of sexual coercion, exploitation, and abuse at any time and situation.
2. The right to sexual autonomy, sexual integrity, and safety of the sexual body within the context of one's own personal and social ethics.
3. The right to sexual privacy.
4. The right to sexual equality, which refers to freedom from all forms of discrimination regardless of sex, gender, sexual orientation, age, race, social class, religion, or physical and emotional disability.
5. The right to sexual pleasure.
6. The right to emotional sexual expression through communication, touch, emotional expression, and love.
7. The right to sexually associate freely. This means the right to marry or not, to divorce, and to establish other types of responsible sexual associations.
8. The right to make free and responsible reproductive choices.
9. The right to sexual information based upon scientific inquiry.
10. The right to comprehensive sexuality education—a lifelong process that should involve all social institutions.
11. The right to sexual health care for the prevention and treatment of all sexual concerns, problems, and disorders.



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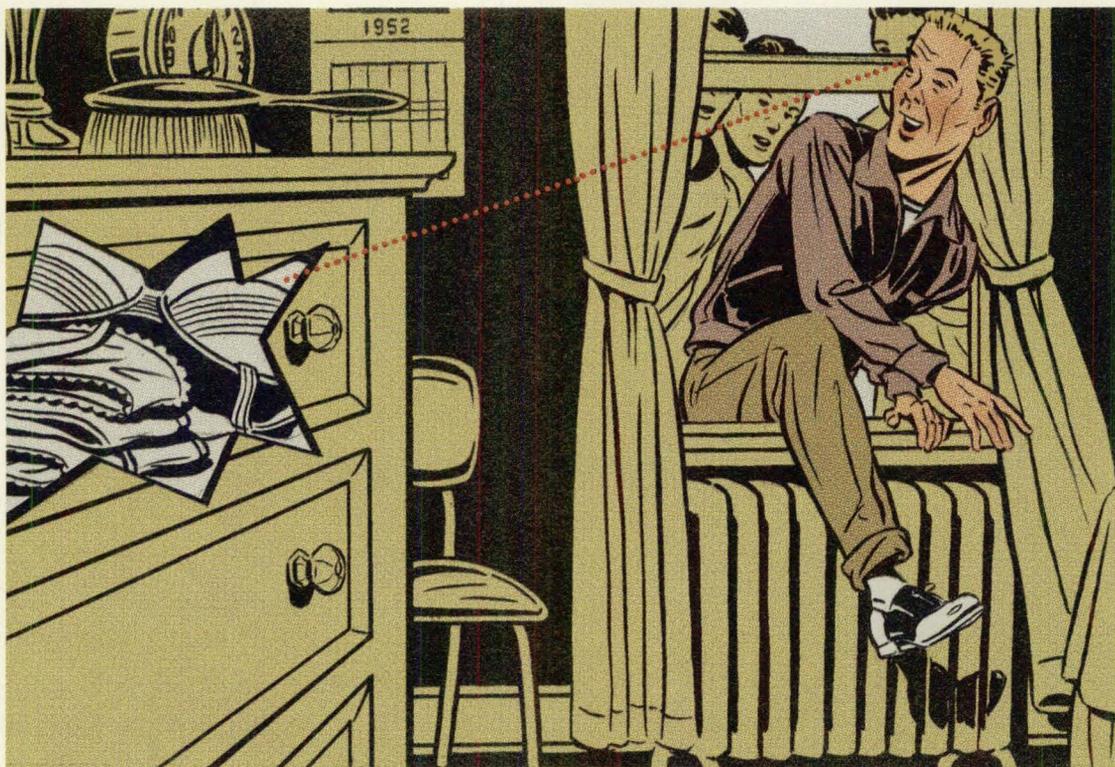
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Panty Raids: a Brief History

Of all the pranks pulled by college students, none evoke an era quite like the panty raid, when mobs of male students plundered the lingerie drawers of their female counterparts. It could have happened only in 1952.

Rumors of the raid had been circulating on campus all day. Some guys had even put signs in dorm windows that afternoon, announcing plans for the group heist come evening. But then again, rumors of this sort had been flying around the University of Minnesota all spring and nothing had yet happened. There was no certainty that this Monday would be any different, until the gang actually began to gather around 8 p.m.

A handful of male students, and then a handful more, started to mill on the lawns near Pioneer and Centennial halls, all-male dorms on the U's Minneapolis campus. Around 200 assembled for the first rush, and the atmosphere was squirrely from the get-go. Some of the guys even decided to go bare-chested in the chill spring air—hoping, wrote a reporter for the *Minneapolis Star* in the next day's paper, that they would soon be wearing "some feminine souvenir back to their dormitory."

Exactly who pointed them toward Powell Hall, a dormitory across campus that housed nursing students, is unclear. But as with any mob, it didn't take much to steer them. Off they went with a whoop and a testosterone-fueled howl toward the University's various female quarters, beginning with Powell. By the time they were through, their numbers would swell to nearly 1,500 students and they would raid not just Powell, but Comstock, Sanford, and several sorority houses. They

BY TIM BRADY

would also draw the wrath of three separate police forces; get their first whiff of tear gas; and set off a round of hand-wringing and recrimination among University administrators and public observers about the state of college youth.

Panty raids came to the University of Minnesota on May 19, 1952, just as they visited almost every major university around the nation, beginning in Ann Arbor on March 21, the first day of that lunatic spring. One campus after the next hosted various forms of the hysteria. Thousands of students across the nation took part in raids, which largely consisted of male students storming the dormitories of their female counterparts and—just as the term suggests—swiping women’s underwear. Headline writers had a field day: “More Lingerie Looters by U.S. Students,” “Lust for Lace Grips Students All over the U.S.,” “Childish Pranks by Grownup Cranks.” *Time* magazine ran a head-shaking story on the weird and wayward fad, and *Life* followed with a photo essay, which only served to fuel the craze.

At the University of Missouri, 10,000 students stormed two nearby women’s colleges in search of undergarments. Three thousand University of Vermont students were undaunted in their raiding even as the Burlington fire department rolled out the hoses to try to calm them down. Women at the University of Connecticut doused their attackers with buckets of water, but the

Connecticut men were not deterred. In Austin, the University of Texas football team took it upon themselves to form a protective barrier around women’s dorms to keep out the raiders.

Many of the women of the University of Minnesota, on the other hand, were fully complicit in the high jinks at the U. According to accounts, they could be seen leaning from windows and balconies, twirling bras and panties above their heads as the guys traveled from Powell (where a staunch housemother kept them at bay) to Comstock, where their numbers jumped to 500. Meanwhile, campus police had been alerted to the presence of the marauders, but just 12 officers were sent to Comstock.

The doors leading into the dormitory were locked and only one window was open, but some students, nonetheless, made a rush for that opening. Others tried to climb up to the balconies where the women were now leaning down, dangling their lingerie like fishing lines. Enough guys got into the dorm, prompting the campus police to call local police forces for reinforcements and headed inside after them. Several students were collared and dragged out, including one who was heard crying plaintively to a friend, “Florence, tell ’em I’ve been here all night.”

By the time units from the Minneapolis and St. Paul police departments arrived—13 squad cars in all—the size of the crowd had tripled and the mob decided it was time to move on ahead of the cops to Sanford Hall. There, someone found an unlocked



Nearly 1,500 U of M men stormed female residences one night in 1952.

door and upwards of 300 men poured inside. Finally, they got their hands on some panties and headed for the door, but the local police were fast on their heels and the total haul failed to impress a *Minneapolis Tribune* reporter. It was, he wrote, “less than Evelyn West wears in her [burlesque] act at the Alvin.”

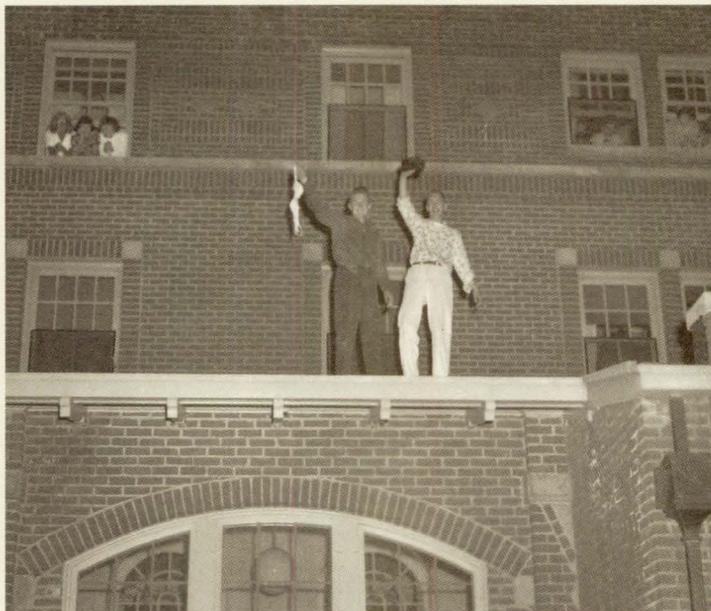
Undeterred, the guys now went to nearby sorority row and were just beginning deliberations there when word spread that the women of Comstock were organizing a counter raid at Centennial Hall. The crowd rushed back to defend its home turf, where they found a small band of raiders clamoring to get inside.

By this time, the police had had enough of the nonsense. The officers not only let loose some choice words at the students, but a canister of tear gas as well. As students wiped their eyes, some of the officers intimidated to the students that if they wanted to do some nighttime raiding, they ought to be doing it in the uniform of the U.S. Army in Korea rather than making trouble for the local police. The U of M men took exception to the name-calling and fistfights broke out between cops and the students. Depending on who was observing, either the police overreacted or a group of boys got justly spanked. In either case, the crowd was still lingering, the police were about to deliver more tear gas, and it was still only 11:30 p.m. when University vice president William Middlebrook climbed atop a squad car and somehow got the attention of everyone gathered. “All these policemen are going to leave now if you boys go home,” he hollered, according to the *Minnesota Daily*. “You’ve had your fun and your publicity.”

For his trouble, Middlebrook would later find that someone had deflated his car’s tires. Nonetheless, his promise of sending the cops home was enough to calm everyone assembled, and the great panty raid of 1952 was over.

While occasional underwear thefts were carried out at colleges around the United States in years to come—including a few at the University of Minnesota—never did another as large or contagious as the one that swept the country 57 years ago break out again. Still, for a fad that began and reached its height in one brief spring, the concept of panty raids has held an enduring place in the history of campus life. While numerous absurd crazes—dance marathons, goldfish-eating, cramming into phone booths—evoke an era, perhaps none resonate as strongly in the imagination as the panty raid. Dressed up in bobby socks and rolled-up blue jeans and steeped in a giggly

sense of repressed sexuality, the idea of busting into a woman’s dorm room in pursuit of the contents of her underwear drawer seemed so perfectly suited to the decade from which it arose that if panty raids hadn’t been real, they would surely have been invented in an episode of *The Many Loves of Dobie Gillis*.



Some female students were complicit in the shenanigans at the U of M.

The University, through its administration, served *in loco parentis* (in place of the parents) on the campus of the U, and that was the governing essence of student life at Minnesota and colleges and universities across the United States. The Ozzies and Harriets of campus life—largely, dorm monitors and various other staff working out of the dean of students’ office—ran pretty tight ships, particularly for the female students.

Dormitories for women were closed at midnight on weekdays and at 2 a.m. on weekends, according to *The University of Minnesota, 1945–2000*, a history of the

It was in the midst of the wider drama surrounding the Korean War, the McCarthy Era, and the Cold War that students at the University of Minnesota decided to go diving for lingerie in the drawers of their female counterparts.

U. Study hours were maintained from 7:30 to 10:30 p.m. in dorms, and men were shooed out at 11 p.m. on weekdays and 12 on the weekends. “Rowdiness in the dining rooms was not permitted, nor were the women allowed to come [to dinner] with their hair ‘up or uncombed.’”

While the University tried to enforce dinner-table hairstyles and dampen the possibility of sexual congress, they couldn’t do much to keep other worldly matters at bay. Like it or not, these students were not innocents. They had grown up as witnesses to the horrors of World War II and were now part of the generation that was fighting yet another war, in Korea. The Selective Service Agency had recently instituted a policy granting college students deferment from the draft (something that hadn’t existed during the Second World War, and an obvious reason for the acrimony with the local police), and young men on campus understood that they were just a couple of failing grades from a transport ship to Seoul.

In the early 1950s, much more than repressed sexuality was simmering just under the surface, sometimes to boil over. Early rock ‘n’ roll was taking off, the Civil Rights Movement was just around the corner, and McCarthyism was at its height. A few years earlier, in 1949, the University had forced the resignation of physics professor Frank Oppenheimer, the brother of famed nuclear scientist J. Robert Oppenheimer, after Frank had been called to Washington, D.C., to testify before the House Un-American Activities Committee, where he confessed to having been a member of the Communist Party in the 1930s.

Two years later, Forrest Wiggins, the only African American professor at the University at the time and one of the few black

faculty members in the United States, had been denied tenure in December 1951. Wiggins was a self-professed Communist who nonetheless had, by most accounts, a fine teaching record. His dismissal, which was made final in June 1952, was viewed as overtly political by campus liberals and proponents of academic freedom.

Finally, in the spring of 1952, University President James Morrill denied a request by a student group, the Young Progressives, to bring the famed African American singer Paul Robeson to campus. A lightning rod for controversy because of his leftist views and affiliation with the Communist Party, Robeson was subject to persistent blacklisting through the 1940s and '50s. In nixing his invitation to appear on campus, Morrill called Robeson an "anti-American, anti-democratic propagandist" who would be a "clearly identified symbol of Soviet sympathies in this country and abroad." Just as the faculty could do little to aid Oppenheimer and Wiggins, the Young Progressives were left with little recourse in the face of the administration ban.

So it was in the midst of these campus upsets and the wider drama surrounding the Korean War, the McCarthy Era, and the Cold War that students at the University of Minnesota decided to go diving for lingerie in the drawers of their female counterparts.

It would be a stretch to suggest that the gang of 200 who set off from Pioneer and Centennial Halls on the night of May 19, 1952, were overly concerned about the injustices dealt to Paul Robeson and Forrest Wiggins. For whatever goofball reason, they wanted to come home with panties in their pockets and bras stretched over their bare chests. Yet, as the giggles subsided in the aftermath of the raid, and students, administration, and the general public reflected on the near riot, a sense of uneasiness settled over campus. The University suspended about 20 students who'd participated in the raid, and the administration spent weeks sending memos back and forth trying to map out strategies in case of future raids.

The school's All-University Congress and the editorial pages of the *Minnesota Daily* complained of the harshness of the penalty against the agitators; and students, in general, felt the administration overreacted, particularly by calling in the Minneapolis and St. Paul police departments,

whom they accused of aggravating the situation and turning an evening of prankishness into a confrontation. Some also charged the administration of hypocrisy for being overly concerned with protecting the "good name" of the University in the case of panty raids but being less sensitive to its own virtue when it came to dismissing Wiggins or banning Robeson from the campus.

The military draft issue continued to hang over the incident as well. The *Daily* printed a letter from the Minnesota men of the 2nd Battalion, 179th Infantry, in Korea who got word of the raid and addressed their comments to the panty thieves at the U. It read in part: "If they want to go on raids so bad they can come over here and take the places of some of our buddies who didn't come back." President Morrill also scolded the boys in the press. He was quoted as telling a Minneapolis newspaper that "many at the University are deferred; others are in the service of the nation—in America, Europe, and Korea. This simple fact cannot be forgotten by you or by me." Not surprisingly, some U of M students read this as a veiled threat to their deferment status and wondered, as did one letter writer to the *Daily*: "What bearing did this statement have on the raids on the dormitories?"

The Sturm und Drang of the situation abated as summer came and the U of M campus emptied. The suspended students were reinstated at a less heated moment a few weeks after the raid. Deans of students across the nation, including E.G. Williamson at Minnesota, got in touch with one another before fall semesters began, gathering information and discussing best options should the panty raid craze spring up again during the football season.

As noted above, that didn't happen. Isolated raids sprang up for years to come but were never as infectious as that first spring. As the Korean War gave way to Vietnam and dorm room lockdowns surrendered to Woodstock and free love, the concept of panty raids came to be viewed by the next generation of students as quaint and frivolous as flagpole-sitting.

Of course, this was the same group that would soon be streaking across college grounds throughout the nation. ■

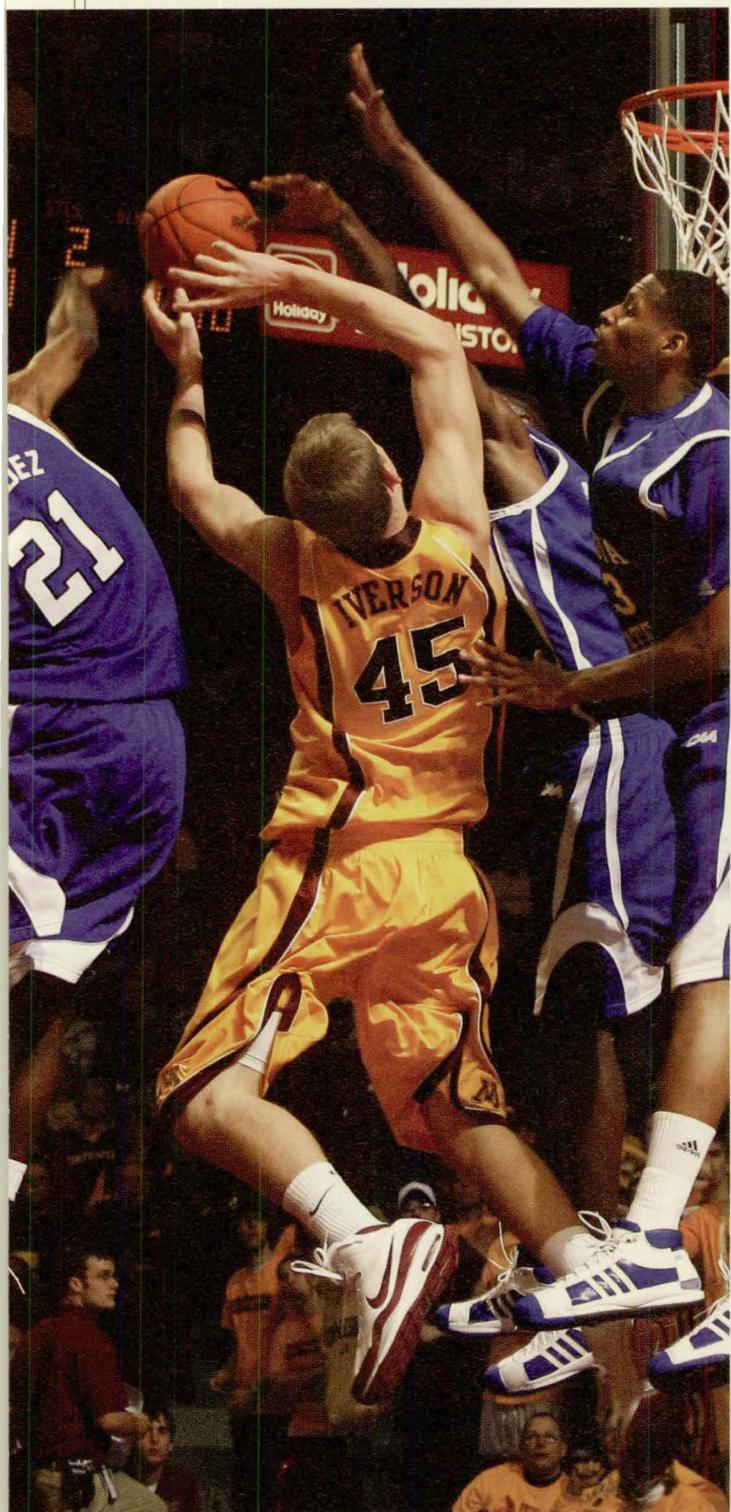
Tim Brady is a regular contributor to Minnesota. He lives in St. Paul.



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Fresh Air

By PETER SCHILLING JR.

Promising newcomers will make for an intriguing season at the Barn.

PHOTOGRAPHS BY BRAD PERSON,
COURTESY OF UNIVERSITY ATHLETICS

New faces are the name of the game this year at the Barn. Coach Tubby Smith, now in his second year at Minnesota, is counting on underclassmen from his top 25 recruiting class to compete in a Big Ten conference that, like the Gophers, is replete with rookies. But will they be able to improve on last year's 20-win season and make a run for the Big Ten crown?

This is a good time to find out. Although pundits are predicting that the conference title will run through Michigan State's or Purdue's backyard, the rest of the conference is in a state of flux, as every other team has either lost key players or, like Minnesota, is trying to rebound from years of mediocrity. In a transitional period such as this, when recruits will make the difference for every team, the Golden Gophers are in a position to make this season very interesting. "Provided we stay healthy, we're going to compete with *everyone*," Smith says.

Minnesota's fledgling talent, which includes five players, will start games *and* dramatically improve the bench. "We won't have a drop-off when we bring guys in off the bench," Smith says. "In fact, we'll improve in some areas." Furthermore, he hopes that these rookies won't just complement the returning players, but step up and become leaders in their own right. And, they will have to counter the departure of Lawrence McKenzie (B.S. '08), Dan Coleman (B.S. '08), and Spencer Tollackson (B.A. '08), last year's top three scorers.

NEW FACES

Colton Iverson. At 6 feet 10 inches and 235 pounds, freshman center Iverson was ranked the 19th best recruit in the country by Scout.com. "Colton is sturdy, physical, and can take a lot of abuse and dish it out as well," Smith notes. Iverson also brings an intelligence to the game that was developed by his father, Chuck, a standout at the University of South Dakota, an NBA recruit, and a college basketball coach. For such a physically imposing figure, Iverson is agile and has great ball-handling skills. A solid rebounder, his size, agility, and mental acuity on the court should also help him enforce Smith's complex ball-line defense. Iverson is from Yankton, South Dakota.

Ralph Sampson III. Six-foot 11-inch, 220-pound center Sampson has a basketball pedigree that is unparalleled: He is the son of 7-foot 4-inch Ralph Sampson Jr., three-time NBA All-Star with the Houston Rockets. Sampson

III is another top-20 Scout.com recruit who runs well, has great hands, and is an impressive shot-blocker. Some question whether he is athletic enough or possesses the competitive fire to work with Smith's complicated defense, but Smith contends that Sampson "knows winning basketball" and will be up to the challenge of the Gophers, and Big Ten basketball in general. Sampson is from Duluth, Georgia.

Devoe Joseph. Hailing from Pickering High School in Ajax, Ontario, Joseph was ranked as one of the best recruits, if not *the* best, in all of Canada. Smith is impressed with Joseph's basketball acumen and the fact that although he was one of the top scorers on his high school team, he signed with Minnesota because of the Gophers' emphasis on defense. "Defense wins championships, and that's why I came to play for Coach Smith," says the 6-foot 3-inch, 170-pound guard. Considering he turned down a basketball scholarship from 2008 NCAA champion Kansas, this is no small statement.

Paul Carter. The 6-foot 8-inch forward from Missouri State University-West Plains still has three years of eligibility. "He's probably our most versatile player," Smith says. An early-season exhibition game against Northern State University in Aberdeen, South Dakota, bore out this observation. Carter started, put in 21 minutes, scored 17 points and led the team with seven rebounds in the Gophers' 92-62 drubbing of the Wolves. Smith hopes to see his sophomore forward emerge as a leader immediately.

Devron Bostick. The 6-foot 5-inch junior guard, a transfer from Southwest Illinois Community College and the Junior College Player of the Year last season, was expected to step up right away but has had some growing pains fitting into Smith's system. However, Smith expects Bostick to reach his potential as time goes on.

FAMILIAR FACES

The Gophers have only two seniors, 6-foot 5-inch guard **Jamal Abu-Shamala** and 6-foot 9-inch center **Jonathan Williams**. The two will start periodically and provide depth off the bench, being better defenders than scorers. Six-foot 4-inch junior forward **Travis Busch** has proved to be a spark plug off the bench, hitting more than 50 percent of his shots in his first three games this year.

Six-foot junior guard **Lawrence Westbrook** is the Gophers' leading returning scorer and one of only two Gophers to start all 34 games last season. He has returned to the starting lineup this season, as has Minneapolis native **Al Nolen**. The 6-foot 180-pound point guard snagged 64 steals last year, good for a team high and second in the Big Ten. **Blake Hoffarber**, a 6-foot 4-inch sophomore guard from Hopkins, Minnesota, whose buzzer-beater defeated top-ranked Indiana in the Big Ten tournament last year, will be a frequent starter. Even though he is probably weaker on defense than Smith would like, his ability to score makes up for it.

A broken hand plagued 6-foot 7-inch junior forward **Damian Johnson** earlier in the season, but he has recovered. He is needed on defense, since he also was one of the top steals leaders in the Big Ten last year. And 6-foot 5-inch junior guard **Kevin Payton**, a skilled and smooth player, can be counted on for his solid defense.

College basketball always surprises with underdogs who come from nowhere to win conferences and tournaments. For denizens of the Barn, this portends well for the 2008-09 Golden Gophers. ■

Peter Schilling Jr. is a freelance writer and film critic living in St. Louis Park, Minnesota.

Inspired play by the young Gophers gave the team its best start in decades and an early season national ranking. Far left: Big man Colton Iverson. Near left, clockwise from top: Devoe Joseph, Al Nolen, Paul Carter, and Ralph Sampson III.



Top to bottom: first-year Gopher women Kiara Buford, Jackie Voigt, and Brianna Mastey



No Place Like Home

All the seats are empty in Williams Arena on a late fall day as the women's basketball team gears up for an afternoon practice. But freshman Gopher Kiara Buford remembers a day when the stands were anything but quiet. "The traveling basketball team I was on when I was younger came here, and I was a ball girl," she remembers. Head Coach Pam Borton had just taken the helm, and she probably didn't pay too much attention to

the youngster scooping up basketballs on the sidelines. These days, Buford—a 5-foot, 11-inch guard from St. Paul—is making waves as one of the highly touted freshmen on the Gopher squad.

Borton has traveled across the country to recruit top basketball talent. But for this year's exceptional recruiting class, she didn't even have to cross the state border. All four of the rookies are from Minnesota, and all of them had plenty of Gopher memories before they walked onto campus as students last year. Cottage Grove native Jackie Voigt (6-foot, 1-inch forward) had been coming to Gopher sports events with her parents for years. And twin sisters Brianna and Nicole Mastey (6-foot, 1-inch forwards) watched the Gophers' NCAA Tournament games from their Becker home whenever they had the chance. "I remember watching one of their games when Lindsay Whalen was here," Brianna recalls. "I was in seventh grade, and I'd just started playing basketball. I thought, man, it would be pretty cool to be a Gopher."

Having a Minnesota-heavy recruiting class isn't just about state pride—it's about staying nationally competitive, according to Borton. "To get back to the Final Four and to win a national championship, we've got to be able to keep the best Minnesota players at home," she says. With strong high school and amateur programs in the state, Borton says the pool of talent runs deep, and it's important for the Gophers to attract those top players.

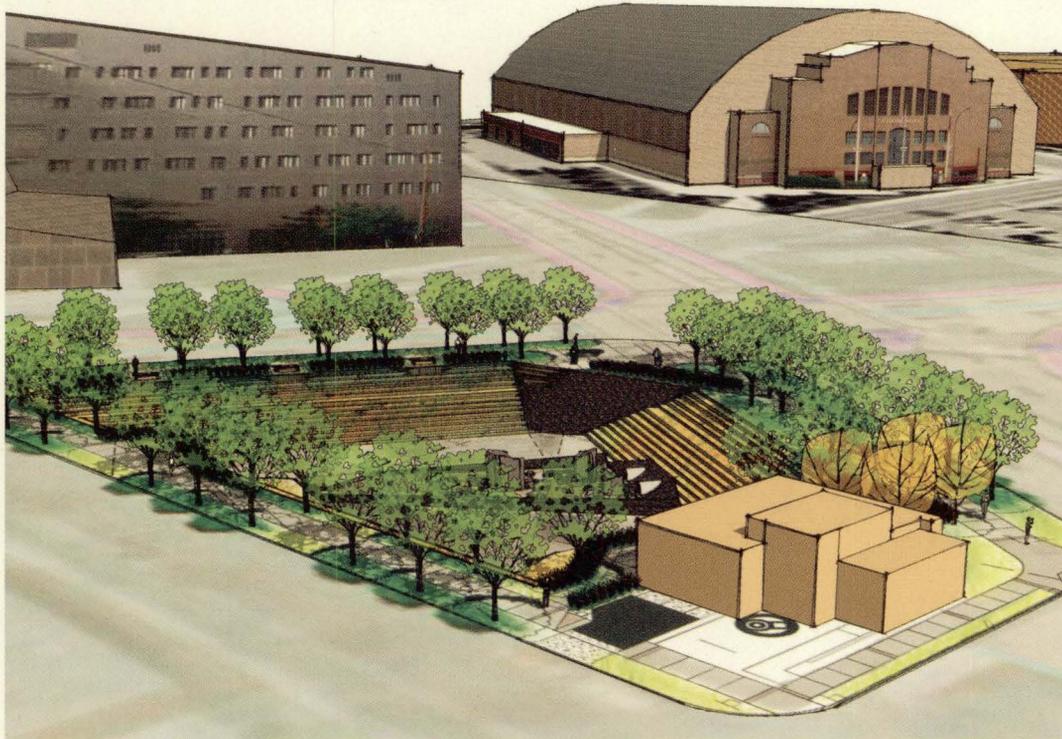
Polls suggest the team has done well in recruiting some of the state's—and country's—best talent: A recent Blue Star Basketball report ranked the Gophers' rookie class as No. 14 in the nation. The four freshmen, whom Borton describes as among the most athletic and versatile in the team's history, will need to step up early to help improve on last year's 20-12 record and earn a NCAA tournament berth.

Borton expects the crew of hometown heroes to generate even more enthusiasm in the stands. "Fans really take ownership of the team," says Borton. "They feel like this is their program and these are their kids, and people in Minnesota love to see their own kids play." Brianna Mastey says she and her sister will be doing their part to make sure every seat is filled. "We've got a pretty big family," she says. "And they all love to come and watch us play."

Without a doubt, the four new recruits will also be watched closely by the next generation of Minnesota girls.

—Erin Peterson

Stadium Update



A unique landscaped storm water runoff system across the street from the McNamara Alumni Center is one of the features that will make TCF Bank Stadium one of the few green sports arenas in the nation.

In heavy rain, water will follow the course of gentle slopes known as “bioswales,” which slow down and help filter the water before it flows into two 42-inch pipes that

Going for the Green

Forget the old adage that good things come in small packages. When the 50,000-seat TCF Bank Stadium opens in September 2009, it will be one of only a handful of LEED-certified stadiums in the country, that is, a green stadium. LEED, which stands for Leadership in Energy and Environmental Design, is a rating system that’s part of an international effort to construct buildings that are more energy-efficient and less polluting than those built to current standards. “The U has an interest in being more sustainable in general on everything from food service to transportation and energy management,” says project coordinator Brian Swanson. “But the stadium is a high-profile piece of that goal.”

To receive LEED certification, the stadium must meet rigorous standards developed by the U.S. Green Building Council for design, construction, energy efficiency, water usage, and waste reduction. Though most of the stadium’s sustainable features will be invisible to fans, they will have a big impact on the environment and the budget in a fairly short time, says Swanson. “There’s a slight premium to build to these standards, but the cost is usually made up within three to five years in operating cost savings resulting from improved water, heating, cooling, and power efficiency.”

Built on a formerly polluted site that the U cleaned up prior to construction—soil was incinerated to remove creosote and then hauled to a licensed landfill—the stadium grounds will be landscaped in a style that fits with the surrounding campus. What makes the landscape earth-friendly is a storm water system designed to dramatically reduce the amount of runoff going into the Mississippi River.

run under University Avenue to a retention pond located across the street from McNamara Alumni Center. “It’s not your typical pond because it will be dry most of the time,” Swanson explains. “But if it rains more than an inch, it will hold the water and slowly let it out into an 18-inch pipe that drains to the Mississippi River.” Landscaped with trees and shrubs, the pond’s walls are gabion baskets, which are stacked stones wrapped in a wire enclosure. A similar design was used in retaining walls around the new Interstate-35W bridge.

The stadium itself is being made from as many local materials as possible, reducing the amount of fuel and pollution involved in transporting them from elsewhere. The frame is made of 90 percent recycled steel and the roof, which covers the suites, loge boxes, and indoor clubrooms, is reflective to help reduce the heat that the building absorbs. Heat will come from the U’s steam plant, which burns oat hulls and biomass such as plant matter and other biodegradable waste. Cooling will be provided from the existing chilled water plant in Mariucci Arena.

In addition to choosing low-flow plumbing fixtures, which reduce water usage, the U opted for materials that improve indoor air quality wherever possible. This meant paying a little more for items such as sealants, glues, paints, and carpeting that are free from volatile organic compounds, gases that emit a variety of chemicals that may contribute to health problems.

“The University is working hard to incorporate cost-effective sustainability practices on each campus and throughout the organization,” says Swanson. “We believe it’s the right thing to do.”

—Meleah Maynard (B.A. '91)

Smart Woman Stays True to Her Values

It takes one to know one. That's one reason the keen, playful messages on Julie Hellwich's Smart Women products resonate with smart women the world over. Hellwich (B.A. '91, M.S.W. '94, M.P.H. '00), an environmental and social justice activist since high school, has always wanted to change the world—but wouldn't have predicted that business would be her vehicle.

Yet today she's founder and CEO of Minneapolis-based Smart Women and a leading voice in social entrepreneurship. What started in 1999 as a kitchen-table effort to create clever, homemade birthday gifts for friends—like chalk and chalkboards declaring that “Smart Women Chalk It Up to Experience”—has become an internationally recognized brand from Denmark to Dubai.

Hellwich's droll messages, aimed at uplifting and galvanizing women, have attracted partnerships with the League of Women Voters, *The New Yorker* magazine, and Chronicle Books. Her customers include Hillary Clinton and iconic political journalist Helen Thomas, who has a red Smart Women ribbon on her suitcase so she can find it in the airport, Hellwich says. It reads, “Smart Women Tie Up Loose Ends.”

As a single mother, Hellwich earned her bachelor's degree in environmental geography. Her interest in international development and maternal and child health led to masters' degrees in social work and public health. She and her then-8-year-old daughter lived in India while Hellwich studied a simple, low-cost method for treating dehydration.

Her love of learning is conveyed by Smart Women's top seller, a mug that reads “Smart Women Thirst for Knowledge.” “I like learning across disciplines. . . . I can see the connections between things that others might not think are connected,” Hellwich says.

Being a businesswoman with a community health background helps her think across sectors—public, private, and nonprofit—where some might see rigid boundaries. And, her values-driven approach includes a commitment to keeping her products useful, minimally packaged, reusable or recyclable, and made in the United States whenever possible. Although Hellwich is Smart Women's only employee, many functions that are outsourced, such as packaging, are done so locally.

Hellwich fields requests from numerous organizations to collaborate around her brand, and she enjoys helping promote causes she supports. Last year, she joined University of Minnesota Marching Band members in working with Goodwill/



Julie Hellwich

Easter Seals of Minnesota (“Smart Women Extend Goodwill”) to make hats and scarves with recycled sweaters. She recently hired a business partner, who has a team that works on marketing, public relations, and sales. That's allowing her to focus more on her core mission; last year, for instance, she gave a speech at Duke University on doing business for the common good. As a volunteer, she's working with a high school in St. Paul's Midway neighborhood, teaching young entrepreneurs how to make candles and crayons from beeswax. Hellwich negotiated a trade with a beekeeper at a farmers' market who's supplying beeswax in exchange for candles. The students hope to sell their creations in gift shops and craft shows.

For a retailer, Hellwich—a child of the first Earth Day—is strikingly nonmaterialistic. “I don't have a microwave, I hang out my laundry to dry—my dryer broke and I didn't get it fixed,” Hellwich says. “Being in this industry is really kind of strange for me because I'm not a big consumer.”

—Susan Maas





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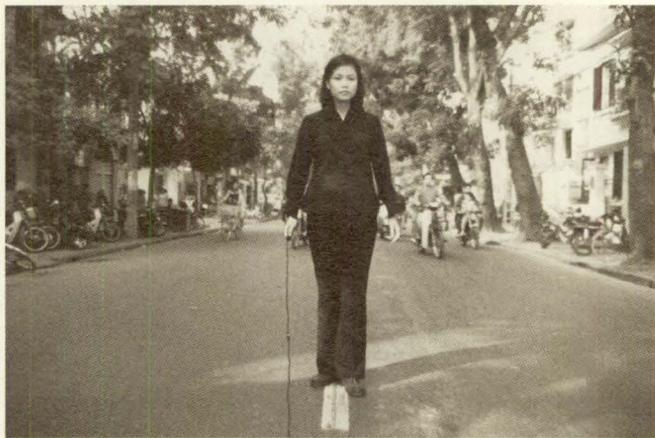
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Vietnamese Women's Voices



Top to bottom: *Self in Street*, 1998, silver gelatin print, by **Phuong M. Do**

Food for Thought, 2005, watercolor on do paper, by **Vu Thu Hien**

Daughters of Mr. Nguyen II, 2005, gouache on paper, by **Dinh Y. Nhi**

Artist **Phuong Do** says photography has solidified certain images of Vietnamese people in the minds of Americans. They're either "soldiers and veterans or massacred village people," Do says. "I wanted to really challenge but also add to those images." So she chose photography as the artistic medium through which to navigate personal and professional experiences of "conflicting allegiances to national and ethnic identity."

In recent decades, globalization has brought many previously unknown, underappreciated, or inaccessible aspects of world culture to the fore. Among them have been works of contemporary Vietnamese art. The traditions of both the world art market and Vietnamese society, however, have resulted in the celebration of mostly male artists. The traveling exhibition "Changing Identity: Recent Works by Women Artists from Vietnam" takes a significant step toward rectifying that imbalance.

The show, which opens at the Weisman Art Museum on the University of Minnesota's east bank February 1, is the first major U.S. exhibition of Vietnamese female artists. Created by **Nora Taylor**, a professor of art history at the Art Institute of Chicago, the show includes watercolors, ink paintings, installations, and photography by 10 artists examining issues of identity, gender roles, and stereotypes in their work.

Do, one of the 10 featured artists in the show, was born in Vietnam and has lived in the United States since age 11. Through her photographs, which often feature herself or members of her family, Do explores the challenges, conflicts, and insights created

by her dual Vietnamese and American heritage. "The intention of my work has always been to examine issues of ethnic and national identity," Do explains. "I've never had a grounding in the physicality of where I actually belong," she adds, illuminating her 1998 photograph, *Self in Street*, in which she stands in the middle of a residential road. In addition to her own feelings and thoughts of displacement, Do also draws on her work in refugee and immigrant services for many years. Her work included "developing leaders to represent and act as mediators between the refugee and mainstream cultures," she says.

"Leadership transplanted from the homeland didn't always translate here in the U.S.," she explains. "A leader in Vietnam was not necessarily the best leader for the refugee community. So I'd try to engage young people with feet in both worlds to become representatives, but they had to deal with elders shutting them out and, if they were women, gender issues."

According to Weisman curator **Diane Mullin**, "Changing Identity" continues the museum's ongoing commitment to schedule exhibitions "that give voice to underrepresented groups in the art world and particularly cultural groups that are contributing to the cultural diversity of the Twin Cities." In the last year, other such exhibitions at the Weisman have included shows on contemporary Native American art and documentary photography from China.

For Do, "Photography is a real process in terms of conceptualizing, making, looking at, and revisiting that notion of not belonging and wanting to belong," she says. Even today, as she looks back at images she made in the 1990s, she adds, "I feel a level of acceptance, but the memory of the emotions I felt then is always present."

"Changing Identity" runs February 1 through May 24 at the Weisman Art Museum, 333 East River Road, Minneapolis; www.weisman.umn.edu.

—Camille LeFevre

Search

Could the top of the world be the ultimate classroom?

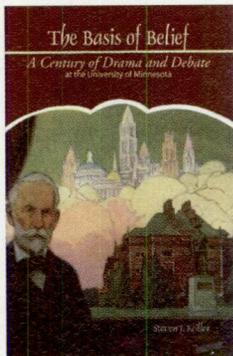


- ▶ U of M learning technologies professor Aaron Doering and his team are taking steps to truly understand climate change in the arctic. Through his adventure learning program, GoNorth!, K-12 students around the world join with them via an online curriculum. By experiencing the natural world first-hand, students gain a real understanding of global climate change and collaborate on what we all can do to help. So the search continues.

More at umn.edu

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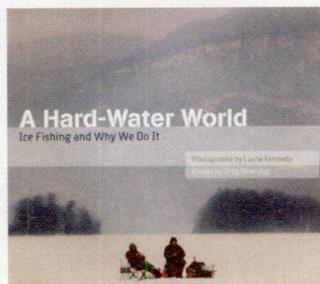
Bookmarks



The Basis of Belief:
A Century of Drama
and Debate at the University
of Minnesota

By **Steven J. Keillor (B.S. '74,
B.A. '74, M.A. '88, Ph.D. '92)**
Pogo Press, 2008

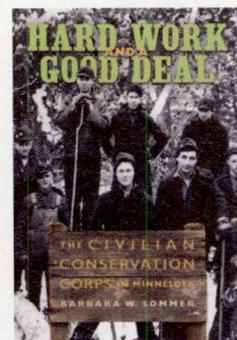
Keillor takes an intriguing and fresh approach to the history of the University by considering the ferment underlying selected events and ideas in the past 100 years. He peels away the underlying philosophies of learning and knowledge at work in classrooms and administrative offices with an eye toward illuminating the changing role of religion in the institution's life.



A Hard-Water World:
Ice Fishing and Why
We Do It

By **Greg Breining (B.A. '88)**
Photographs by
Layne Kennedy (B.A. '88)
Minnesota Historical Society Press,
2008

Every year more than two million northerners take to the frozen lakes of the northland to indulge a passion for ice fishing. This beautifully wrought book probes and celebrates their quirky world through striking photographs and thoughtful, engaging essays. A fun, informative, and at times meditative read that will hook anglers and non-anglers alike.



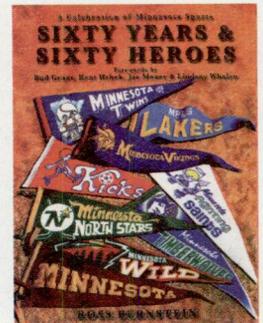
Hard Work and a Good Deal
By **Barbara W. Sommer (M.A. '81)**
Minnesota Historical Society Press,
2008

This timely book raises the voices of the men and boys whose lives were changed by their enrollment in the Civilian Conservation Corps (CCC), a New Deal program that provided hope and a regular paycheck to 77,000 Minnesotans during the Great Depression. Their legacy lives on in the stone buildings, forest paths, and stands of pine that they created in the state's forests and parks. Oral historian Sommer draws on nearly 100 interviews with enrollees who recall how their experience in the CCC changed their lives.

Sixty Years and Sixty Heroes:
A Celebration of
Minnesota Sports

By **Ross Bernstein (B.A. '93)**
Bernstein Books Publishing, 2008

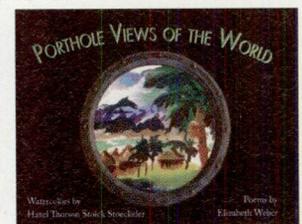
Bernstein's latest book is an expanded and updated version of his 1997 book *50 Years, 50 Heroes*. Each of the 60 chapters highlights the "greatest moment" in Minnesota sports for the year, along with interviews and profiles of Minnesotans who were there, including numerous Gopher players and coaches. The book contains a foreword by former Gopher basketball great Lindsay Whalen (B.S. '06). Proceeds from sales benefit the Herb Brooks Foundation.



Porthole Views of the World

Watercolors by **Hazel Thorson
Stoick Stoeckeler**
Poems by **Elizabeth Weber**
Nodin Press, 2008

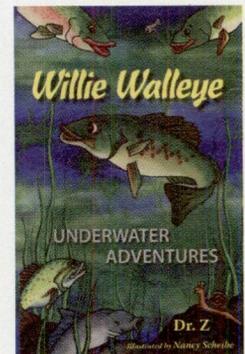
Stoeckeler's collection of postcard-sized watercolors began as a private visual diary of her world travels. It was after being asked by fellow travelers where they could purchase her works that the University of Minnesota associate professor emerita decided to share them. Stoeckeler includes 42 watercolors from throughout her nearly 60 years of world travel. Weber's poems give words to the thoughts and emotions the brushstrokes evoke.



Willie Walleye:
Underwater Adventures

By **Ed Zottola (Ph.D. '64)**
Illustrated by **Nancy Scheibe**
Singing River Publications, 2008

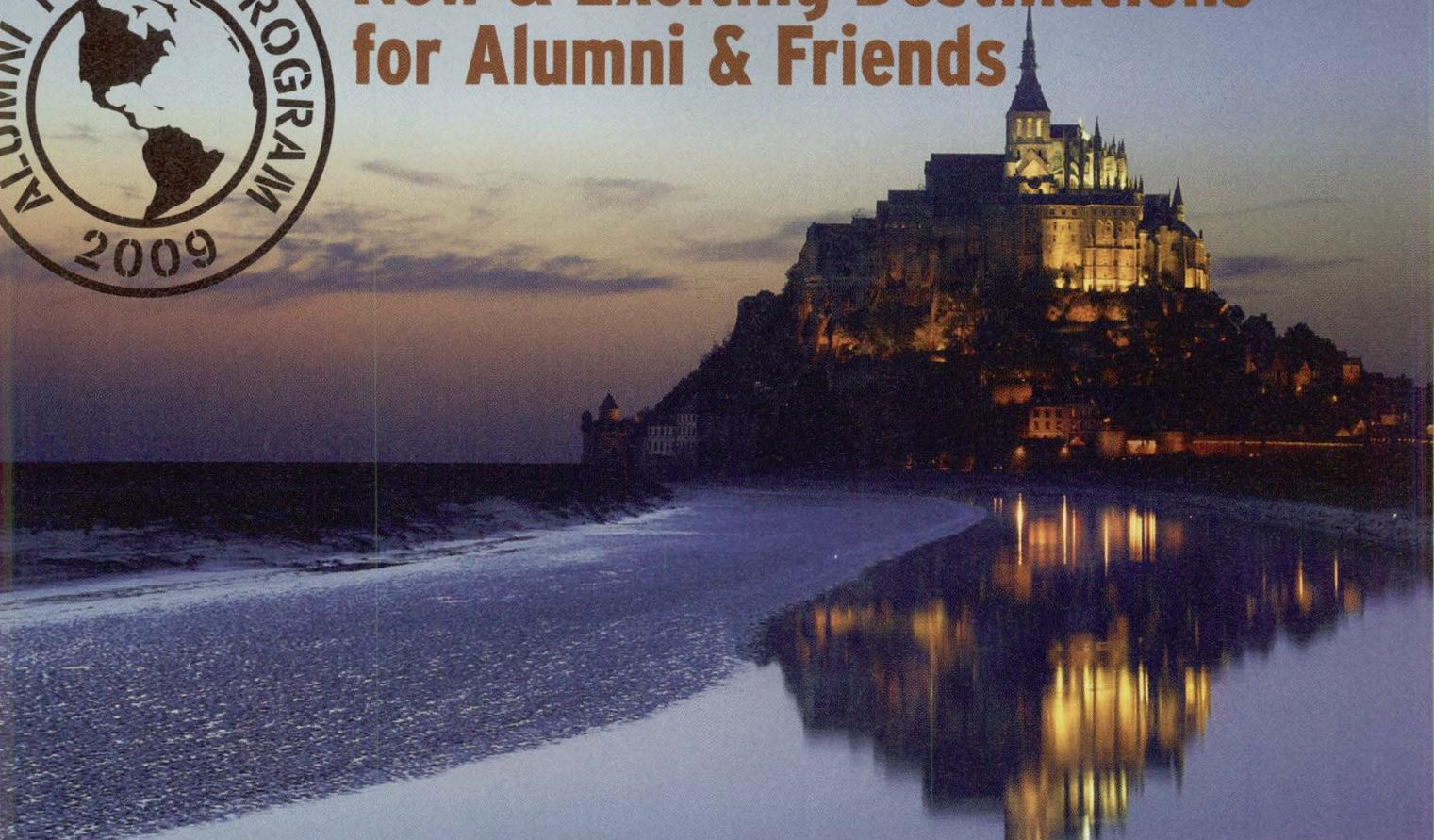
Willie Walleye first came to life in the stories former University food microbiology professor Ed Zottola told his granddaughters. A lifelong fisherman, Zottola (Dr. Z), has created an underwater world where Willie and his friends outsmart predators, fend off pond polluters, and go on other fishy adventures. Along the way, Willie teaches children important lessons about taking care of the environment, working together, and solving problems.



Minnesota considers books by or about University of Minnesota alumni or faculty for inclusion in *Off the Shelf*. Review copies may be sent to: Editor, Minnesota, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455.



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We invite you to experience the comfort and camaraderie of traveling with other U of M alumni and friends. Please join us on one of these unique and educational adventures!

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September 1-14, 2009

Explore some of the most diverse and captivating cities on earth aboard the Six-Star Crystal Serenity. The tour begins with the romantic city of Venice; then on to Katakolon, the gateway to the ruins of Olympus. Enjoy the breathtaking scenery of the island of Mykonos and then cruise to the Crimean Peninsula, where the Ukraine cities of Odessa and Yalta are located. Admire the natural port in Sinop and experience one of the world's most magnificent monuments, the Blue Mosque in Istanbul.

From \$5,695

Dubai

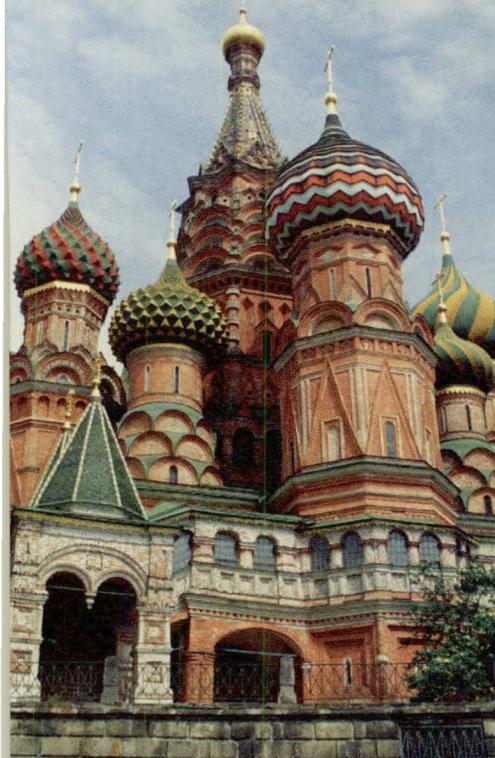
September 4-12, 2009

Experience the excitement of the world's fastest-growing city in this glittering and palm-studded metropolis. Marvel at the largest man-made harbor ever constructed, visit ancient souks (markets) and traditional mosques, explore the United Arab Emirates capital of Abu Dhabi on the azure Gulf shore and admire the architectural splendor of the Jumeirah Mosque. This combination of new-world luxury and old-world charm will exceed your expectations!

From \$2,175

Detailed trip brochures are available approximately eight months prior to the departure date.

For more information, call 612-624-2323 or visit www.alumni.umn.edu/travel.



Normandy

September 14-22, 2009

Enjoy the many facets of this fascinating and remote region of France. The program includes a journey to Bayeux, where you will see the Bayeux Tapestry that depicts the Battle of Hastings in 1066. Then visit the Peace Memorial in Caen, Omaha Beach and the Normandy American Cemetery. Explore the magnificent Jumieges abbey, which was founded in 654. Experience the granite island of Mont-St-Michel, which is home to the eighth-century Abbey Church.

From \$2,595

Mediterranean Inspiration

September 15-28, 2009

Aboard the luxurious Oceania, visit some of the most breathtaking cities in the world. Explore the picturesque town of Portofino, Italy, as well as the famous sites and old villages of Monte Carlo. Marvel at the architecture of Florence and explore the sites of Amalfi, Italy. Visit the Greek Theater in Tavorina, and venture to the volcano, Mt. Etna. Experience the breathtaking scenery and sites on the island of Corfu, Greece. Tour the many monuments and beautiful points of interest in Dubrovnik, Croatia, and Venice as well.

From \$3,899

Village Life Along the Dalmatian Coast

September 22-30, 2009

This nine-day tour offers the finest cruising in the Adriatic aboard the intimate 31-cabin M.V. Monet. A full program of educational and cultural enrichment, this voyage of discovery travels from the legendary city of Venice across the dark blue Adriatic Sea and along Dalmatia's ruggedly beautiful, island-dotted shoreline, a boater's paradise. Explore the Roman legacy of Split, walk in the footsteps of Marco Polo in his medieval birthplace of Korcula, and step back into the Renaissance era in Dubrovnik.

From \$2,995



Greece

October 9-18, 2009

Discover the beauty and magic of this ancient land, while exploring its fascinating cities and ancient sites. Experience the many famous sites of Athens, including the Pan-Athenian Stadium, and the Acropolis. Visit the island of Aegina, home to the Temple of Aphaea, and explore the charming town of Poros. Experience the once powerful ancient kingdom of Mycenae, as well as the fourth-century theatre in Epidaurus. Cruise to the island of Hydra, full of distinctive architecture and vibrant colors.

From \$2,495

Village Life in Dordogne

October 15-23, 2009

Here is where all of France's provincial charms have been distilled into one of Europe's most beautiful and intact medieval villages, Sarlat-la-Caneda. Explore the Dordogne's renowned culinary heritage and its greatest historical treasures, including prehistoric caves, Richard the Lionheart's castle at Beynac and the charming villages of Domme and Rocamadour. Experience one of the region's centuries-old traditions during a visit to Sarlat's colorful weekly market.

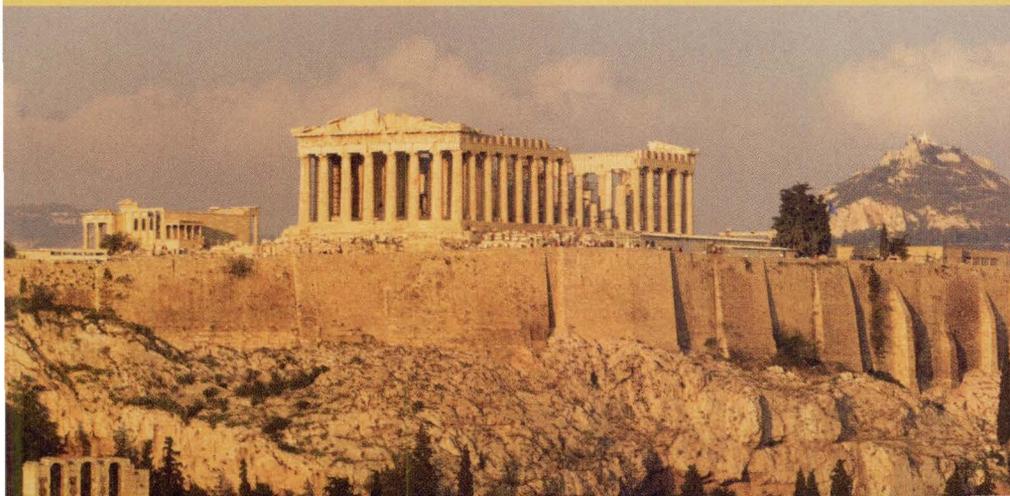
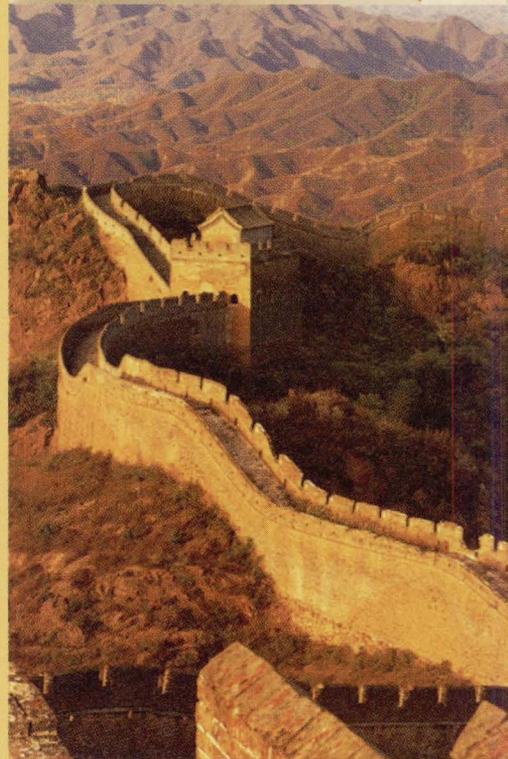
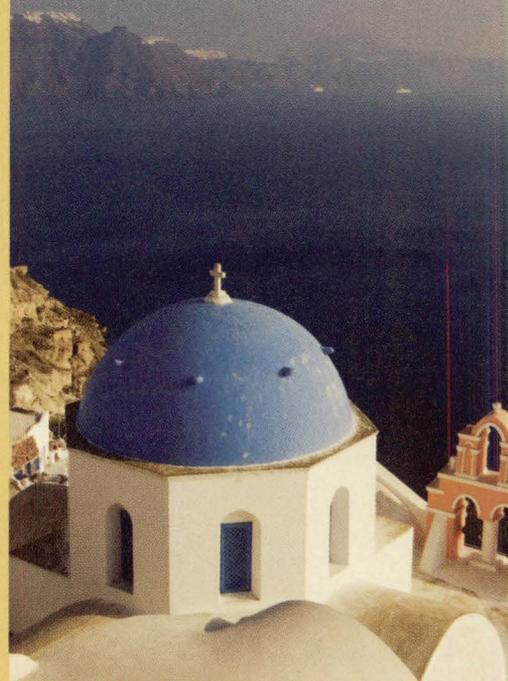
From \$2,695

Amalfi Coast

October 28 - November 5, 2009

Experience the Divine Coast's most breathtaking sites on this captivating tour, with a visit to the town of Ravello, home to the exquisite Villa Rufalo. Explore Sorrento, built atop a cliff and full of beautiful gardens and scenery. Visit Pompeii and Herculaneum, both of which were destroyed by Vesuvius in its 79 A.D. eruption. Take a private boat tour of the island of Capri to see the White Grotto as well as the Faraglioni rock formations. Marvel at the town of Paestum, home to the temples of Hera and Athena.

From \$2,795





Beijing

November 4-11, 2009

Beijing, China's capital for over seven centuries, is today a modern, flourishing city, boasting many ancient monuments and architectural wonders. Stroll around Tiananmen Square, explore the imposing Forbidden City and be spellbound by the magnificent Great Wall. Visit the giant pandas at the Beijing Zoo, admire the ancient Temple of Heaven or travel to Xi'an to view the archaeological site of over 7,000 life-sized terracotta soldiers and horses.

From \$1,449

Cultural Capitals of Russia

November 7-16, 2009

Experience the timeless pageant of Russian history and culture. Combine the imperial splendor of Moscow and St. Petersburg with luxury rail travel through the countryside aboard the first-class Grand Express Train. Marvel at Moscow's czarist grandeur including Red Square, St. Basil's Cathedral and the Kremlin. Explore the unrivaled artistic and architectural treasures of St. Petersburg including the Hermitage Museum, Catherine's Palace, and more.

From \$2,995

Please note that prices do not include airfare or taxes and are per-person, double-occupancy. Dates, itineraries and prices are preliminary and subject to change due to operational conditions.



Alumni Association Angle



Model Students. Life Drawing was a popular course for nontraditional students offered through the General Extension Division in the 1930s. During the 1931-32 school year, the average age among night class students was 29, 10 years older than the average day school student. Nearly 10 percent of night school students were between the ages of 40 and 50.

INSIDE

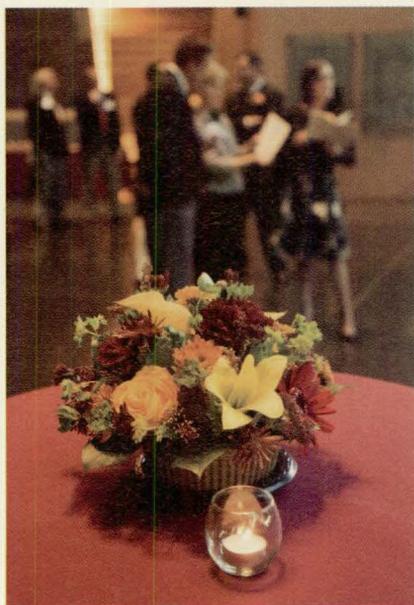
A Great Deal for Life Members

Hats Off to Alumni Volunteers

Farewell to Jerry Fischer

Mentors and Mentees Meet Up

The Urgency of Advocacy



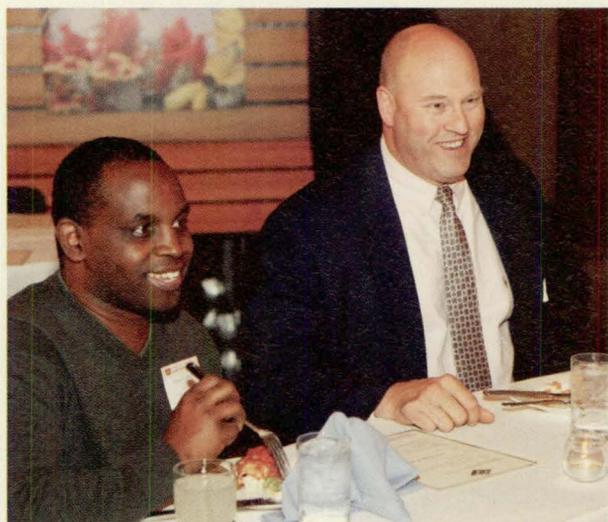
March Mayhem Hits McNamara

Life members already receive up to 20 percent off room rental at the McNamara Alumni Center, one of the premier event facilities in the Twin Cities. During March Mayhem, life members can receive even more savings by taking advantage of two exceptional opportunities.

When you book a new meeting or event in March 2009, you'll pay the room rates from 2000, the year McNamara opened. For example, the current life member rental rate for Memorial Hall is \$2,000, but your 2000 rate is \$1,500. Additionally, you'll get free use of McNamara's 18,000-lumen projector, a savings of \$900. Also during March, Alumni Association life members can extend their McNamara Alumni Center room rental discount to friends, family, and co-workers for any new booking in March 2009. The discount does not apply to events already booked with signed contracts.

The McNamara Alumni Center accommodates a wide variety of events, including weddings and receptions, meetings, awards dinners, retirement parties, and much more. To book your next meeting or special event, call 612-624-9831 or visit www.alumnicecenter.umn.edu and refer to promotional code "mayhem."

Mentors, Mentees Connect



Mentors and mentees came together to share their perspectives on mentorship during the Alumni Association's fall mentorship workshop at the McNamara Alumni Center in November. The Alumni Association Mentor Connection promotes and advocates mentor programs throughout the University and the Twin Cities community. Currently, more than 2,000 students and alumni participate in 16 mentor programs. Pictured here are (clockwise from above) Julius Kinara (M.A. '05) and Greg Kraul, Dain Raddell and Jihshya Lin (M.A. '05), and Katie Brodeem and Minn Rose.



MENTOR PHOTOGRAPHS BY SARA JORDE; MCNAMARA BY SHER STONEMAN

Members Deserve Credit

Being an ambassador is now even more rewarding. The new Alumni Association credit card supports Alumni Association programs while giving members WorldPoints rewards. This is the only card that supports the Alumni Association and its programs. For information or to apply, call 1-866-438-6262 and mention priority code UAAAIL.

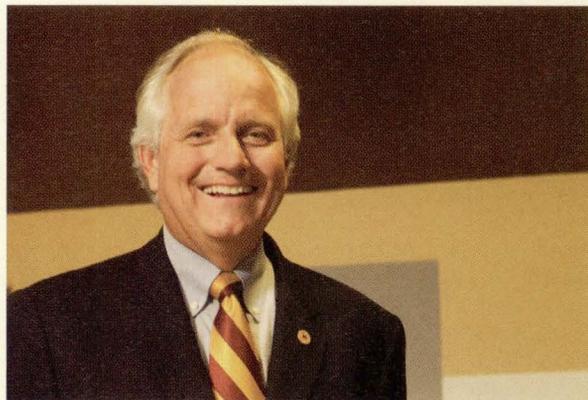


National President

Path out of Crisis Is through the U

As the state's leading graduate and undergraduate educational facility and its only research university, the University of Minnesota plays an essential role in Minnesota's economic future. Consider these facts:

- More than half of Minnesota's science, technology, engineering, and math graduates received their training at the U.
- Last year alone, the U won \$619 million in higher-education research grants (98 percent of the state's total) providing vital innovations and more than 25,000 jobs.
- In 2007, nearly 14,000 people earned a U degree, and more than 66,000 people took a U class.
- Alumni from the U have created over 10,000 companies across all 87 counties in Minnesota, employing 500,000 people state-wide.



Bruce Mooty

These are staggering statistics, and they make us wonder, Where would Minnesota be without the U? Where would any of us who benefited from an education at the U be today if not for that education and opportunity? To a large extent, it is alumni who are in the best position to speak as ambassadors to the importance of this institution.

For me, receiving my bachelor's degree and law degree from the University of Minnesota were of paramount importance to my professional and personal development. My various experiences and opportunities as an undergraduate at the U fostered confidence, critical thinking, friendships, and invaluable leadership skills. My legal education at the University Law School helped me secure an associate lawyer position at Briggs and Morgan and has been of utmost importance in assisting clients throughout my career at Gray Plant Mooty.

On December 4, Governor Tim Pawlenty (B.A. '83, J.D. '86) announced a projected state budget shortfall of \$4.8 billion for 2010–11, plus a current state budget deficit of \$426 million. These forecasts present a historic and unprecedented challenge. University President Bob Bruininks recently communicated to all staff at the University about the state forecast: "[O]ur response must ensure that we collectively maintain the core strength and quality of the University and help the state regain its financial footing. . . . [I]t is my unwavering belief that the path out of Minnesota's current crisis, and a return to a vibrant and growth-oriented economy, lies directly through the classrooms, laboratories, libraries, and halls of our great educational institutions."

It's clear the University of Minnesota is essential to our state's economic future. That's why it is so important as we enter this critical and challenging 2009 legislative session for alumni and friends of the University—like you—to share your story with decision makers about the importance of the U to the people of this state.

President Bruininks and I invite you to attend the 2009 Legislative Briefing and Reception January 28 at the McNamara Alumni Center, 200 Oak St. SE, in Minneapolis to learn about the U's legislative request and explore how you can tell your story to the state's decision makers. The event is free and open to all alumni and friends of the University. (For details about the event, turn to page 54.)

Help the U of M keep Minnesota strong. Attend the 2009 Legislative Briefing and learn how you can support the U at the state capitol.

—Bruce Mooty (B.A. '77, J.D. '80)

Alumni Association Celebrates Top Volunteers

In October the Alumni Association recognized 18 volunteers, groups, and events that made a difference to the vitality and success of the University and the Alumni Association during the year.

Three groups received the **Program Extraordinaire Award** for innovative, creative, and effective programming:

The San Diego chapter launched the Calmenson Family San Diego Chapter Scholarship Fund at its 2008 annual meeting, becoming the first national chapter to have an endowed scholarship. Chapter members hope to inspire other national chapters to do the same. **The School of Dentistry Alumni Society's** unique program, Intentional Leadership for Future Dental Professionals, guides students toward developing an ethic of leadership in both practice and non-practice settings. **The College of Food, Agricultural and Natural Resource Sciences Alumni Society** was recognized for Classes Without Quizzes, a popular half-day program that has brought more than 1,000 alumni and friends back to campus for lifelong learning and to connect with CFANS and the U.

The Chicago chapter received the **Outstanding Chapter Award**. The chapter's slogan is "make Chicago smaller, one alum at a time." Its outstanding slate of events and programs has attracted more than 5,000 Chicago-area alumni in the past three years.

The **Outstanding Alumni Society Award**, which recognizes the overall programming of a society, went to the **College of Design Alumni Society**. The Society is instrumental to the success of College to Career, a hallmark program that connects alumni and students in myriad creative ways according to the needs of the students.

Megan Hines from the College of Food, Agricultural and Natural Resource Sciences received the **Student of the Year Award**. Hines is pursuing a degree in environmental science policy and management. She is an active member of the student board executive team and the CFANS Alumni Society board and is a volunteer for several activities.

The **Staff Volunteer of the Year Award** was given to Dana Souther (B.S. '84), administrative director in the department of animal science. Souther is chair of the CFANS Departmental Council on Alumni Relations, a group of representatives from each of the college's departments that meets every month to plan programs and events for alumni and friends.

The celebration included presentation of the Alumni Service Awards, which recognize the service of a volunteer who has had a major impact on the University, its schools, colleges, departments, faculty, or to the Alumni Association. This award has been in existence since the early 1900s, during which time only about 100 have been given. The 11 recipients this year were:

Mary Endorf (Ph.D. '87), College of Education and Human Development
Arnold Hill (D.D.S. '63), School of Dentistry

James Jernberg (B.A. '57, M.A. '62), Hubert H. Humphrey Institute of Public Affairs

Julie Johnson (B.S. '81, Ph.D. '06), College of Pharmacy

Juanita Luis (B.A. '72, J.D. '77), College of Liberal Arts

Scott Manwarren (B.S. '97), College of Food, Agricultural and Natural Resource Sciences

Dennis Schulstad (B.A. '66), University of Minnesota Alumni Association

Margot Siegel (B.A. '44), College of Design

Ellen Sorenson (B.S. '81), Band Alumni/School of Music

Eugene Ollila (B.A. '67, M.D. '70), Medical School

Neal Gault (M.D. '50), Medical School. (Gault, longtime dean of the medical school, died at his home in St. Paul on December 11.)



1 Alumni Service Award recipient James Jernberg (left) with Humphrey Institute of Public Affairs dean J. Brian Atwood

2 Student Volunteer of the Year Megan Hines in the College of Food, Agricultural and Natural Resource Sciences with dean Allen Levine

3 From the College of Design (left to right): alumni relations officer Lori Mollberg, dean Tom Fisher, 2008-09 alumni society president Janice Linster, and 2007-08 alumni society president Nick Sperides



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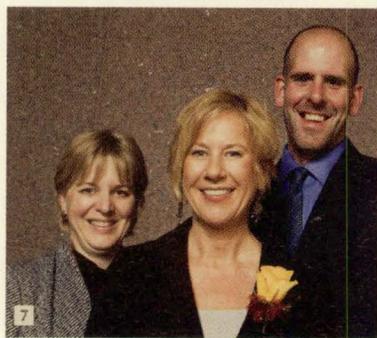
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1 Juanita Luis, Alumni Service Award recipient from the College of Liberal Arts, is congratulated by Alumni Association national board president Bruce Mooty (left) and dean Jim Parente. To her left is chair of the Board of Regents Patricia Simmons.

2 Alumni Service Award recipient Ellen Sorenson (front left) with friends from the School of Music

3 Julie Johnson, Alumni Service Award recipient from the College of Pharmacy (center), with dean Marilyn Speedie, and alumni relations officer Bruce Benson

4 The College of Food, Agricultural and Natural Resource Sciences was recognized for its Classes Without Quizzes program. Cliff Johnson (front left), who created the program, accepted the award with Randy Gutzmann (center), president-elect of the alumni society, and associate dean Jay Bell (far right). Pictured with dean Allen Levine (far left) and associate dean F.A. Ponce de Leon (front right).

5 San Diego chapter president Andy Kuehnel (right) with Alumni Association national board president Bruce Mooty

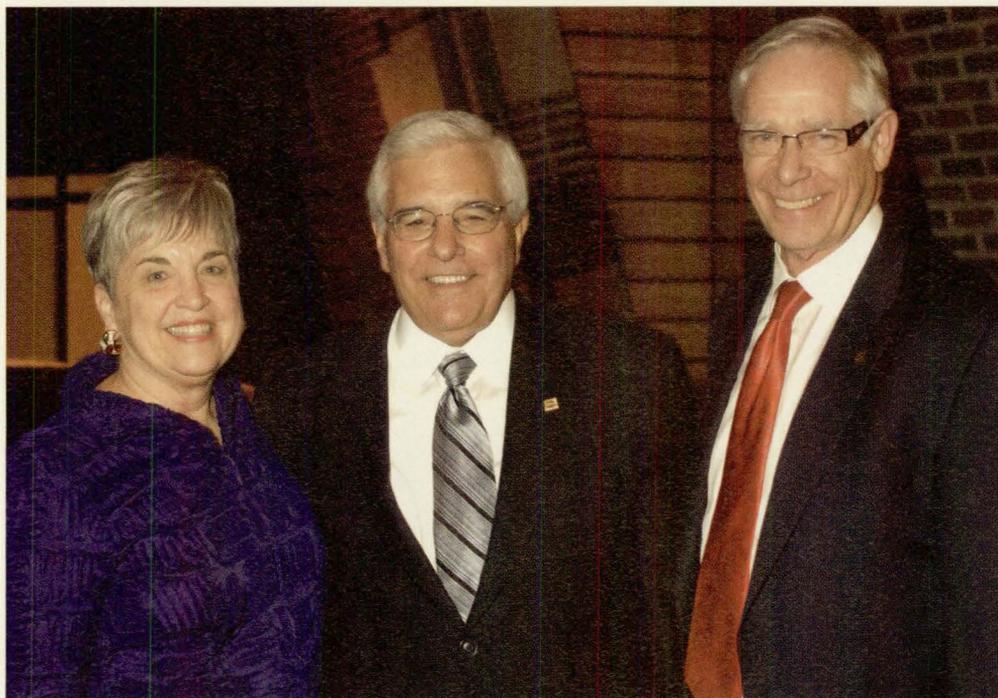
6 Past Alumni Association national board president Dennis Schulstad (second from left), an Alumni Service Award recipient, with current board president Bruce Mooty, Alumni Association CEO Margaret Carlson (second from right), and chair of the Board of Regents Patricia Simmons

7 From the College of Food, Agricultural and Natural Resource Sciences: Dana Souther (center), Staff Volunteer of the Year, with alumni relations officers Mary Buschette and Darren Lochner

8 Alumni Association national board president Bruce Mooty congratulates Mary Endorf (Ph.D. '87), Alumni Service Award recipient from the College of Education and Human Development. To her left are dean Jean Quam and chair of the Board of Regents Patricia Simmons.

9 Scott Manwarren, Alumni Service Award recipient from the College of Food, Agricultural and Natural Resource Sciences

10 Left to right: Arnold Hill, Alumni Service Award recipient from the School of Dentistry, with alumni relations director Annie Pennola Pearson; alumni society president Liz Rydell; and Alumni Association CEO Margaret Carlson



Jerry Fischer's Era Ends

The Alumni Association joined hundreds of well-wishers to salute Jerry Fischer in November in recognition of his service and leadership. Fischer stepped down from his post as president and CEO of the University of Minnesota Foundation this summer after 18 years. During his tenure, private giving to the U grew from \$50 million in 1990 to \$289 million in 2008. In that same period, the foundation's endowment grew from \$150 million to \$1.4 billion. He oversaw the U's capital campaign from 1996 to 2003 that raised \$1.7 billion, funding hundreds of endowed faculty positions and thousands of student scholarships and building state-of-the-art facilities on all U campuses.

Steve Goldstein (B.A. '73), who was volunteer president of the Alumni Association in 1989-90 and has been a trustee of the foundation since 2000, has been named the new president and CEO of the foundation. Fischer will remain active with the foundation in a part-time role as vice president, senior philanthropy adviser.

Jerry Fischer (center) with his wife, Cathie, and University President Bob Bruininks in Memorial Hall at the McNamara Alumni Center.

Maximize Learning at MinneColleges

Alumni Association members have an exceptional opportunity to learn from some of the U's best professors during two MinneColleges coming up in Florida on January 24 and in Arizona on March 7 (see ad on page 13). The programs will feature discussions on a variety of timely topics with selected faculty in medicine, public health, ecology, education, and more. For details and to register, visit www.alumni.umn.edu/events.



David Tilman from the College of Biological Sciences and Pat McGovern from the School of Public Health are among the featured professors at the Florida MinneCollege. Tilman will discuss food, biofuel, and the environment, and McGovern will address children's health.

Raise Your Voice for the U

Nothing conveys how essential the University is to the state of Minnesota like the stories of people whose lives it has shaped. The 2009 legislative briefing on January 28 is an opportunity to reflect on how the U is part of your own personal story, and learn how to tell it with



confidence to legislators. Strong state support is essential for the U to fulfill its mission, and individual voices are key to ensuring that support. Make a date with hundreds of other ambassadors for the University, along with President Bob Bruininks, on January 28, 5:30 p.m. to 8 p.m. at the McNamara Alumni Center. To register, visit www.SupportTheU.umn.edu.

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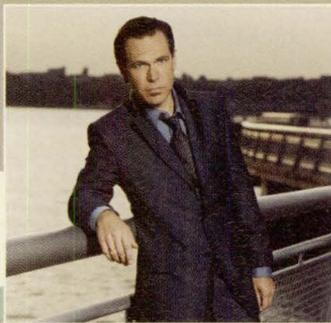
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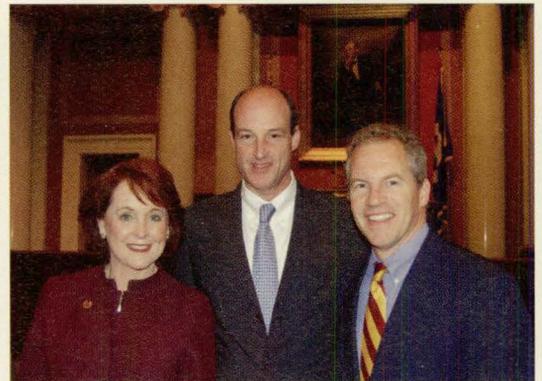
UNIVERSITY OF MINNESOTA
ALUMNI ASSOCIATION
MEMBER BENEFIT

Chief Executive Officer

What Does the U Mean to You?

On November 5, news coverage focused on the election of Barack Obama as the 44th president of the United States. Throughout the evening, I searched for results of the races for the Minnesota House of Representatives, whose 134 seats were up for election. Why was I so interested? Because the University of Minnesota receives about 25 percent of its operating funds from the state legislature.

The Alumni Association encourages members to get to know their legislators and become ambassadors for the U. When I learned that Paul Rosenthal was member-elect for District 41B, which includes south Edina and west Bloomington, I wanted to meet him as soon as possible. I arranged a meeting at the state capitol with Rosenthal and my state senator, Geoff Michel (J.D. '91), who was first



Carlson with Rosenthal (center) and Michel

elected in 2002. Michel has not only voted his support for our state's flagship institution time and again, he coauthored the on-campus football stadium bill.

Michel and I have had many conversations by phone, e-mail, and in person, including at my home for legislative coffee parties—informal gatherings to bring legislators and alumni together in their districts. My goal was to begin establishing the same type of relationship with Rosenthal. I learned that he's a native of New York and a graduate of New York University, so he doesn't have an established relationship with our institution (though his wife, Liz McCall Rosenthal, attended the U).

When we met in the chambers of the House of Representatives, I told my legislators about the concentration of University graduates in their district. The combined population of Edina and Bloomington is 129,000, and nearly 10,000 of them are Golden Gopher alumni who care deeply about the U. I also shared with them some wonderful news announced a few hours earlier. Best Buy founder Richard Schulze and his family foundation are giving \$40 million, the second largest gift in University history, to U researchers who are intent on finding a cure for type 1 diabetes.

I assured Rosenthal and Michel that I would continue to share with them the good news about the U and also talk to them about its needs. As a U ambassador, I need them to understand that the University can help change the world if our three most important funding sources—the state legislature, the federal grants-making agencies, and private donors—provide support at levels that ensure continued excellence.

I also told my legislators that I understood how U alumni could help them as well. My mother, the late Kathryn Sughrue, was a Kansas state representative for 14 years. She was always interested in what was important to her constituents, and she welcomed hearing from them directly. Of Minnesota's 67 senators and 134 representatives, 25 are newly elected. Whether new or veteran, each of these elected officials needs to hear your story—why you believe in your heart that it's important for the state to support the University.

Call your legislators' offices today to request a meeting. Tell them that you're a constituent and a proud alumni ambassador for our great university. To learn more, go to www.SupportTheU.umn.edu.
—Margaret Sughrue Carlson (Ph.D. '83)



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