

MINNESOTA

UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION

FALL 2010

**Gopher Football
Preview**

**Labor's Legacy,
Labor's Challenge**

**Ski-U-March!
Recalling the
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Iran: Can We Talk?

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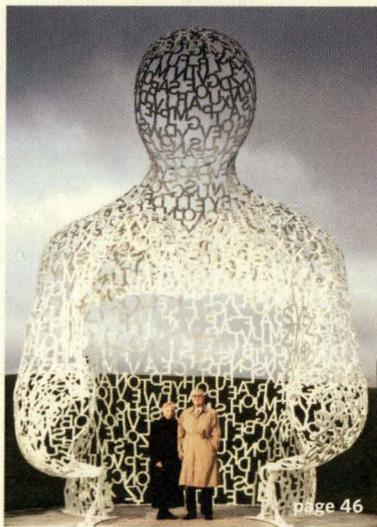
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On the cover: Dr. Larry Goelz surveys his herd of Limousin cattle on his farm near Pipestone. Photograph by Sher Stoneman. This page, clockwise from top: photograph by Sher Stoneman, photograph courtesy of Mary Pappajohn, illustration by Steven Rydberg

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President and Chief Executive Officer

The Energy of September

For Thoreau, it was Walden Pond. For Buddhists, it's nirvana. For me, it's campus—my happy place. Anyone who has been a college student or near a college campus in the fall knows the electric, buzzing energy that we experience individually and as a collective community. It's the energy of September.

Sure, freshmen are nervous about making friends and finding classes. Yes, it's the end of summer. And true, increased traffic to the University clogs metro highways. But there's something inspirational about this new beginning—our annual blank slate.



Phil Esten is president and chief executive officer of the University of Minnesota Alumni Association.

Chalkboards (well, whiteboards) are clean. Classroom chairs are in line. Dorm rooms are tidied up and waiting for their new residents. Plans to meet friends at TCF Bank Stadium are under way. We are awaiting the debut of this year's Honeycrisps. The energy of September is in us and around us.

Have you ever found yourself going out of your way to drive near or around campus? I do all the time, especially in September. There is

something nostalgic about driving through campus on Washington Avenue... something collegiate about classroom buildings on one side of University Avenue and Greek houses on the other... something uniquely Minnesotan about fall leaves

meeting the river along East River Road.

Looking for more reasons to visit your alma mater this fall? Here are a few:

■ **Landmarks.** Whether it's the footbridge over the Mississippi River, where you stopped to throw your shoes in the shoe tree, or Northrop Mall, where you spent hours lost in literature or throwing a Frisbee, landmarks hold memories for each of us.

■ **Events.** Campus is busy in the fall, but not just with classes. Northrop Auditorium and Ted Mann Concert Hall have enticing event lineups. TCF Bank Stadium and Williams Arena are booked every weekend with athletic events. And the Raptor Center is an outstanding destination for family fun and education.

■ **Homecoming.** It's a week filled with activities, and it's magical. Take in some of the week's dozens of events, such as the student cheer competition, College Day reunions and open houses, the Friday night parade, or the football game on Saturday.

■ **The McNamara Alumni Center.** If you haven't already, you're invited to visit this magnificent building. It's home to the Alumni Association offices, among others, and also houses the Heritage Gallery, where all sorts of fascinating U memorabilia resides. Plus, check out the beautiful new addition, where you can grab lunch at the Gateway Café by D'Amico & Sons.

These are just a few of the things that might draw you back to campus. But do you really need a reason? Alumni are always welcome. After all, it's your campus! Perhaps you'll find yourself exchanging stories with current students about your years in Pioneer Hall, or showing your kids that special spot where you met their mom, or simply marveling at the campus beautification efforts that have occurred over the past decade.

Call me hopelessly nostalgic, but September rekindles in me the infinite sense of possibility I felt as a student. So three cheers for September, and for the student who lives inside each of us.

—Phil Esten (Ph.D. '03)

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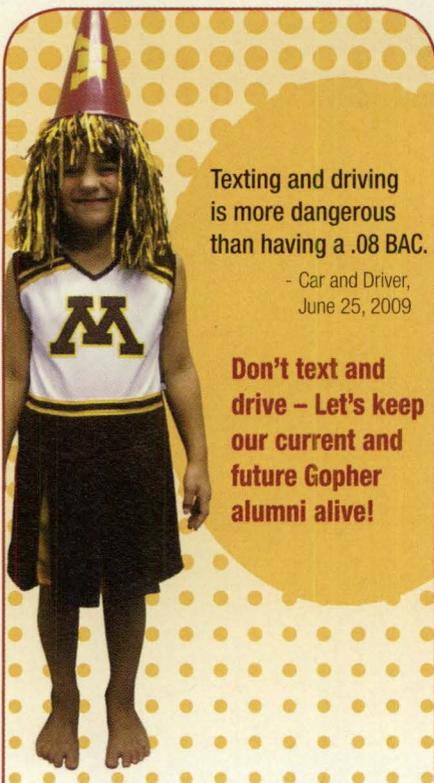
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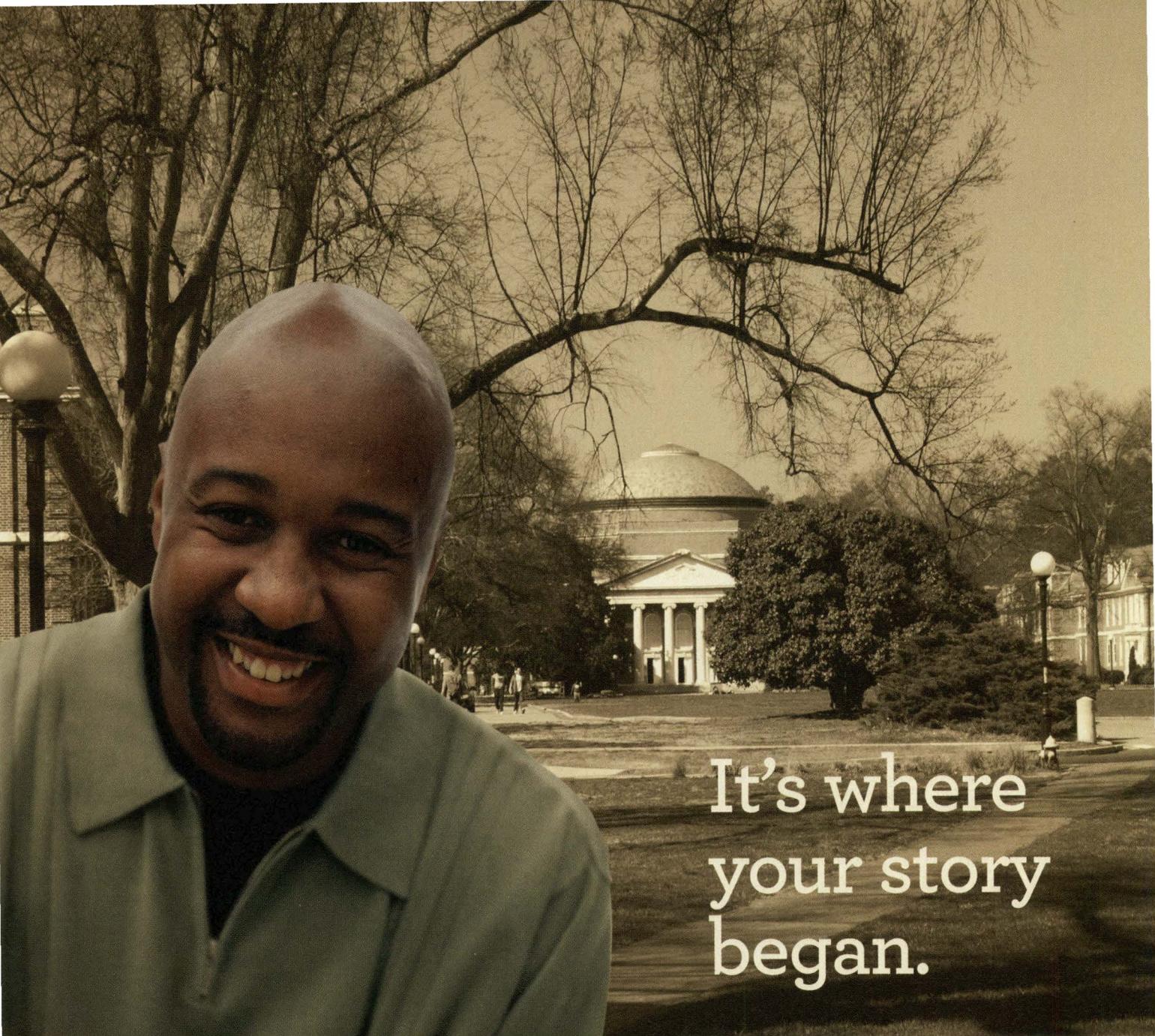
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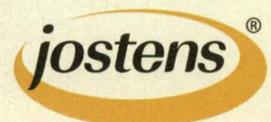


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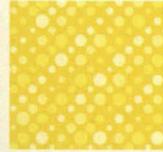
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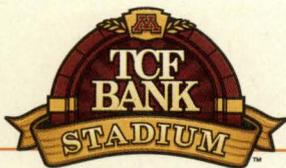
Do you feel it?



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Editor's Note

Links in the Food Chain

Sometimes when I'm shopping for meat, a poem I studied in college comes to mind. I'll be in the freezer aisle, hoisting a six-pound cylindrical bag of sirloin burger patties into my cart, and I'll find myself uttering, "That God of ours, the Great Geometer," under my breath. "He hath put . . . things in shape"—in this case, in the shape of 18 identical disks of ground beef.



Shelly Fling

Moving down the aisle I might grab a package of frozen mahimahi fillets. The plastic bag sports a window on the back through which the consumer can see exactly what she's buying—rectangular segments of peach-colored fish. Goes the poem: "In squares and oblongs with the edges bevelled. . ."

I still own the book where I first read "Grace to Be Said at the Supermarket," by Howard Nemerov, for my Introduction to Poetry class more than two decades ago. "Grace" awakened something in me, and I've returned to the poem numerous times over the years. The pages, now unglued from their binding, flutter to the floor each time I open the book. I'll gather and put in proper order the marked up sheets and reread the poem once again, committing a few more words to memory as I do.

In the refrigerated meat aisle I'll examine the New York strip steaks, each carved into the shape of a comma, a familiar form to me. The steaks are, Nemerov writes, "Free of their bulging and blood-swollen lives." Sidling down the aisle, I might lean over the case to compare packages of pink oval pork chops. Tucked snugly beneath sheets of transparent wrap ("They come to us holy, in cellophane"), they lie on thin mattresses that absorb any unsightly liquid.

Nemerov's poem is short, but it packs a punch. It's graphic and sarcastic, but it's not a diatribe against eating meat. Instead, it mocks us meat eaters for happily distancing ourselves from animals, our food source, and the bloody, messy reality of the need to inflict death in order to sustain our own lives. Nemerov suggests that the butcher is like God and worthy of praise for presenting meat in palatable cubes and other geometric shapes that do not in the least resemble the creatures from which they came.

I, for one, give shameless thanks to the butcher for that. I like the distance between the beasts and me. I depend on it. I have no interest in being a butcher or a hunter. At the same time, I want to acknowledge that the distance is there.

Every time I read "Grace" I reawaken in myself a little bit of the discomfort I felt the first time I read the poem, when I realized that square lunch meat and streamlined hams might not be incidental. I go back to the poem so I don't go back to sleep. I want to stay alert to the fact that I am alive because of the nameless beasts—and because of the farmers and their families, the veterinarians and the students, and everyone else along this food chain.

For all of them, I truly give thanks.



This summer, *Minnesota* was named Best College and University General Interest Magazine of its size by the Council for Advancement and Support of Education. We were thrilled to be recognized by our peers with the 2010 Circle of Excellence Gold Award, and we salute you, our readers, for demanding excellence from your Alumni Association magazine.

To read the judges' comments or to leave comments of your own, go to www.MinnesotaAlumni.org/minnesota.

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



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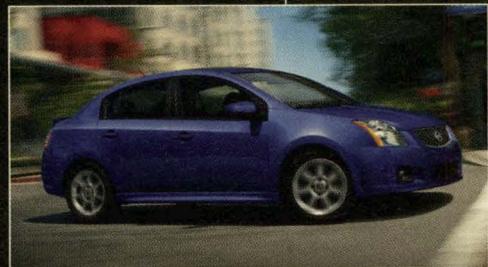
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Letters

NO SENSATION HERE

The cover headline, as was to be expected, caught my eye: "I Recovered from Autism" (Summer 2010). My initial reaction was trepidation as I sat down to read the article. The impression from the cover was that someone could be cured of autism as if they had malaria. I've read enough local newspapers to be prepared for a sensational article promoting a point of view or an attempt to sell more magazines. What a surprise.

Meleah Maynard wrote a concise article on material that could easily have grown into a longer story, and maybe still will. She told us enough to know that there is much more to Joe and his family's story. Maynard also documented the development of treatment/therapy options intertwined with the personal story, thereby keeping an emotional connection. It is a great job of writing and editing.

Families that live with autism know it is not a disease and also know that behavior can be shaped. Maynard's article spreads this knowledge to a wider audience. Thank you.

Tony Jordan (B.S. '78)
Shoreview, Minnesota

WHAT ABOUT AUTISM'S 'KNOWN' CAUSES?

I am extremely disappointed to see *Minnesota* publish an article on autism that yet again rehashes the theory of childhood vaccines causing autism. Andrew Wakefield's research published in *The Lancet* in 1998 implicating the MMR [measles, mumps, rubella] vaccine has been thoroughly discredited. Numerous peer review studies done in multiple countries involving hundreds of thousands of children have shown no link between the MMR vaccine and autism, including a Danish study involving 537,303 children and a study in the Kohoku Ward (population approximately 300,000), Yokohama, Japan, where autism rates continued to rise despite a significant decline in vaccination rates from 1988 to 1992 and no vaccinations from 1993 on.

The Lancet has retracted Wakefield's study, and Wakefield has had his license revoked by the General Medical Council of the U.K. Publishing this article on autism is irresponsible because every time vaccines are presented as a possible cause of autism more children do not get vaccinated, which creates a public health risk.

None of the causes discussed in this story, including environmental pollutants and toxins, has any evidence to support it. Things that are known to contribute to

autism are genetics, the age of the mother and the father, and fertility treatments. This article cites increases in autism and speculates that that is due to a rise in pollution. However, there has been no effort to control for or even acknowledge the effect of the age of parents or the use of fertility treatments, nor is there any attempt to contrast autism rates in areas when pollution has been reduced with areas where it might have increased.

Water pollution has decreased significantly in cities like New York and London, as has air pollution with the decline of coal burning. An academic institution like the University of Minnesota has educated alumni. We have no interest in speculative, unsubstantiated articles that will negatively impact public health. I would have had no objection to reading about a treatment protocol that appears to have worked with Joe Mohs, but the article loses all credibility with me after the discussion about causes, and *Minnesota* loses credibility with me as well.

Peggy Heppelmann (B.S. '79, M.A. '84)
Greenwich, Connecticut

Editor's Note: *Minnesota* magazine's article "Back from Autism" discusses various historical theories about autism's causes, including the idea that vaccines are linked to autism. The article goes on to note *The Lancet's* retraction of Andrew Wakefield's study and the British General Medical Council's ruling that his research was flawed.

A LOSS FOR READERS TOO

Thank you for a well-written article that not only explains Applied Behavior Analysis but acknowledges that autism might arise partly as a result of an immune system damaged by environmental toxins. As far as Joe Mohs's recovery, however, the story remains incomplete because his mother is deceased. As his primary caregiver, she well could have added some unexpected details.

Ann Bjorlin (B.A. '88)
The Hague, Netherlands

WHERE ARE THE PARENTS?

I have just read the piece on education in your Spring 2010 issue, and I want to applaud the lead article on segregation in education featuring the views and leadership by law professor Myron Orfield ("Segregated . . . Again"). It is a classic contribution to research and action on the issue, and I thank you for it.

I am a Minnesotan from a long way back, a farm boy from Butterfield with a B.A. from St. Olaf and an M.A. from the University of



A special welcome to our newest life members.

(reflects April 8 - July 9, 2010)

Minnesota in 1949. I am not an educator by profession; instead I am a longtime Foreign Service officer who retired from that service in 1987, with many years of public service in related fields since. My experience in education has been entirely my own—three sons, 10 grandchildren, and service from the sidelines ever since.

I have only one comment on the Orfield piece, and that is to say what may be obvious but that needs to be said time and again: the role of parents. It gets no mention in the article whatsoever. Nothing matters more in every single stage of effective education—the role that parents can and should play from bottom on up. Where that is missing, the process suffers and our children suffer.

L. Bruce Laingen (M.A. '49)
Bethesda, Maryland

Please share your views with other Minnesota readers. Submit a letter at www.MinnesotaAlumni.org/opinion or write to Letter to the Editor, Minnesota Magazine, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455. Letters may be edited for style, length, and clarity.

FICTION CONTEST

Minnesota magazine is now accepting submissions for its 12th annual fiction contest, and all University of Minnesota alumni and students are eligible to enter.

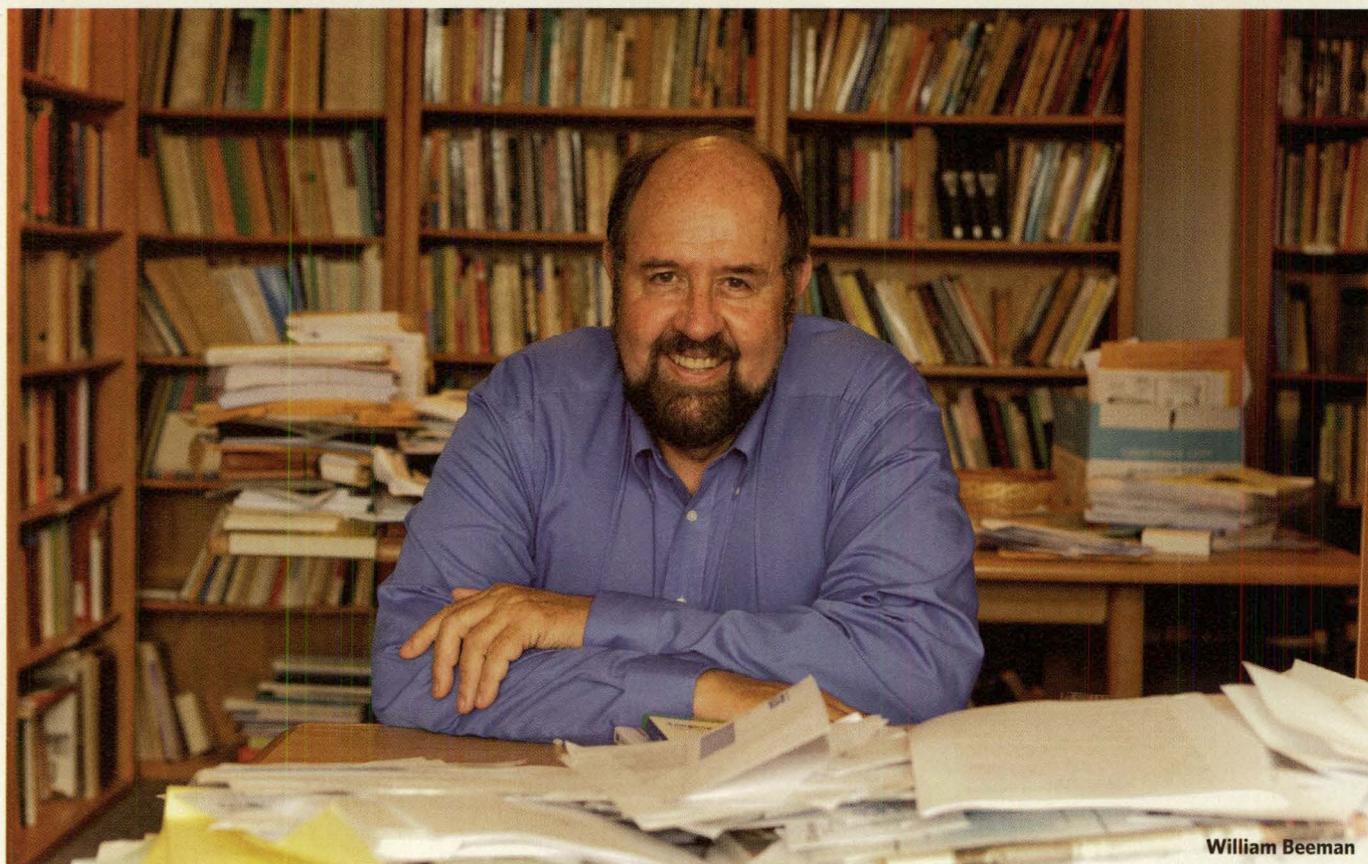


Ian Graham Leask (B.A. '80, M.A. '86) will judge the finalists. The winner will receive a cash prize

of \$2,000, and the winning story will be published in the Summer 2011 issue of *Minnesota* magazine.

Submissions must be postmarked by February 7, 2011. Visit www.MinnesotaAlumni.org/fiction for contest rules and to read past winners.

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William Beeman

Unconventional Wisdom on Iran

What should the United States do about Iran? It's a question that has dogged every American president since 1979, when 52 Americans were held hostage in Tehran for more than a year. The answer, almost without exception, has been to isolate the country, cut diplomatic ties, inflict economic pain through sanctions, and threaten the use of military force. The Iranian government's recent actions—imprisoning three American hikers, executing its own citizens following elections in 2009, and allegedly developing nuclear weapons, to name a few—seemingly reinforce the wisdom of that approach.

Nonsense, says University of Minnesota Middle East scholar

William Beeman, chair of the anthropology department and a frequent commentator in national and international media. "If you're interested in stability in the Middle East, forging a constructive relationship with Iran is the most useful thing we can do," he says. "We twist ourselves into knots trying to avoid dealing with Iran, when it has the potential to be our most productive relationship in the Middle East." Beeman believes it's high time to establish formal diplomatic relations. "Iran has a horrible human rights record," he says. "It always has. But if we don't talk to them except through the press, how can we address that?"

Beeman's contrarian perspective stems in large part from his deep appreciation of Iranian culture and history. A sociolinguist fluent in Persian and 11 other languages, Beeman—who is also a professional opera singer—has lived and traveled extensively in Iran and has written several books on the country, including *The Great Satan vs. the Mad Mullahs: How the United States and Iran Demonize Each Other*.

Finely attuned to the nuances of Iranian speech—his doctoral dissertation at the University of Chicago explored the meaning of stylistic variation in Iranian verbal interactions—Beeman tries to shed light on Iranian cultural dynamics that are not well understood. For that he has been skewered as an apologist for the Iranian regime. He once wrote that politeness, which he calls an "exquisite art" in Iran, should figure prominently in the United States' dealings with that country. One critic called that assertion a "groveling sentiment" and offered it as evidence that Beeman believes the United States "should prostrate itself at the feet of the mullahs and do all it can to avoid inflaming their apparently delicate sensibilities." That criticism, Beeman says, reflects a major problem with public discourse. "We tend to confuse explanation with advocacy. I'm very critical of many things about Iran, particularly its human rights record." But he says it also demonstrates how essential academic freedom is when it comes to taking unpopular stands. "I couldn't be writing or saying anything I do if I weren't tenured faculty at a major institution. Engaging, not opposing, Iran is the only way to go forward."

—Cynthia Scott

The Latest on Light Rail

Construction of the Central Corridor light rail transit line has begun on campus. Visitors can check the U's new website for construction updates and suggestions for avoiding traffic snarls and parking hassles. Help ensure a smooth trip to the U by visiting www.lightrail.umn.edu.

Emotional Cartography

To the list of things that can be mapped—continents, mountain ranges, oceans, rivers, streets, coffee shop locations, songbird migration routes, Wi-Fi hot spots—we may soon be able to add states of powerful emotion, thanks to a new interactive public art project conceived by Rebecca Krinke, an associate professor in the University's Department of Landscape Architecture. Krinke, who is also a multimedia artist and sculptor, launched "Unseen/Seen: The Mapping of Joy and Pain" in Minneapolis in late July; she plans to take



Rebecca Krinke, right, explores her map with park-goers in Minneapolis.

the project to the national level in 2011 and hopes to spark international interest as well.

The work's methodology is deceptively simple. Krinke and a small crew of student assistants set up a large, highly detailed, custom-crafted wooden map of the Twin Cities in various parks (the Minneapolis Park and Recreation Board is a partner in the

project). Members of the public add color to specific locations on the map—gold where they have felt joy, gray where they've experienced pain. Slowly, from the accretion of many individual experiences, distinct emotional zones appear: irregular washes of gold, smaller,

more concentrated nodes of gray. Early results showed an association of joy with water—the banks of the Mississippi River and Lakes Calhoun and Harriet were colored almost uniformly gold. Freeways and hospitals attracted much gray. Interestingly, Minneapolis's Lakewood Cemetery was entirely gold.

"'Unseen/Seen' challenges conventional ways of seeing the Twin Cities," Krinke says. "The project has the potential to be revealing, even cathartic."

To find public participation sites, visit www.rebeccakrinke.com.

—Jeff Johnson

Deep(water) Inquiry

Less than six months after the deadly explosion that unleashed the largest oil spill in U.S. history, students at the University of Minnesota will have the opportunity to study the event in a formal academic course called Oil and Water: The Gulf Oil Spill of 2010. The course will



systematically examine the Deepwater Horizon disaster and its ramifications, from the rise of oil exploration in the Gulf of Mexico to the spill's containment to the future of energy production. It's the latest in a series of "rapid academic response" offerings by the U's Institute for Advanced Study that have included courses on the 35W bridge collapse, the Asian tsunami, and the credit crisis.

Robert Gilmer, a Ph.D. candidate in history and a former resident of Louisiana, will teach the course. He says he'll be taking a multifaceted, interdisciplinary approach to the material. "We're

going to be looking at the oil spill from historical perspectives, from legal perspectives, from the ecological science behind it, and also the engineering itself—the science involved in making offshore drilling possible, and what exactly went wrong in that technology—[as well as] the technologies involved in helping the recovery effort."

—J.J.

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About Campus

Overheard on Campus

"I'm not surprised he's done well, but this was not a guy you thought was going to someday be the prime minister of Great Britain."

—University of Minnesota professor of political science Kathryn Sikkink speaking about Nicholas Clegg, a student of hers at the U during the 1989–90 academic year. Clegg, leader of Great Britain's Liberal Democrats, became deputy prime minister in the government of David Cameron in May.

"[T]hose people who have been clever enough to escape poverty in other lands can contribute much to our society if we embrace them."

—J. Brian Atwood, dean of the University of Minnesota's Humphrey Institute of Public Affairs, in a commentary piece in the *Star Tribune* about the contributions of immigrants in Minnesota

The Corn Supremacy

Corn and other grains have proven to be potent sources of biofuel. A new quintet of bioenergy research projects at the University of Minnesota will explore whether their byproducts could be just as valuable in paving the way toward reliance on renewable energy. The projects are jointly funded by the Minnesota Corn Growers Association (MCGA) and the Initiative for Renewable Energy and the Environment (IREE), a signature program of the University of Minnesota's Institute on the Environment. The MCGA, through its Corn Research & Promotion Council, has committed more than \$500,000 to the effort. IREE has pledged nearly \$140,000.

The projects reflect a notable diversity of investigative focus. One will seek ways of capturing more energy from a major byproduct of ethanol production (so-called distillers' grains, generally used as livestock feed) while simultaneously producing a potential soil-improvement product known as biochar. Another will analyze the genetics and potential economic impact of a new strain of high-oil-content corn. A third will explore whether carbon dioxide from ethanol fermentation can serve as a critical nutrient in the growth of algae for biofuel production. The final two projects will look at various means of more efficiently converting corn residues (stalks, leaves, cobs) into usable energy products.

**WANTED:
YOUR
VIEWS
ABOUT
THE NEXT
PRESIDENT**



The Board of Regents invites alumni and others to participate in the search for a successor to University President Bob Bruininks, who will retire in June 2011. Board Chair Clyde Allen says, "As we begin the search, we would like to hear your views regarding major opportunities and challenges in the years ahead, the priorities that should guide the institution, the personal and professional qualities you value in a leader, and your recommendation of any individuals you believe deserve the Board's serious consideration. All comments will be held in the strictest of confidence." To submit comments, visit www.presidentsearch.umn.edu.

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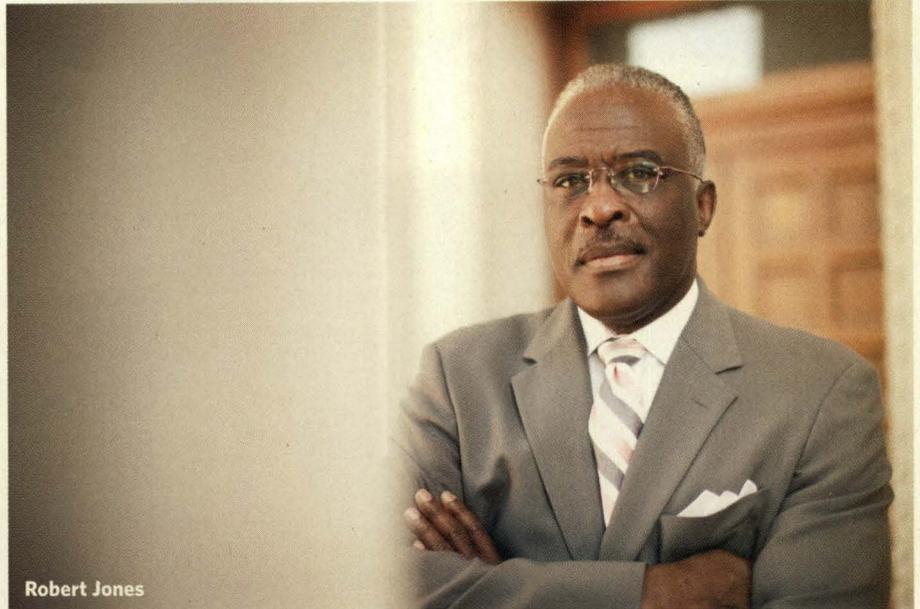
ise.umn.edu

International Leadership

As a scholar, Robert Jones is an authority on agronomy and plant genetics, the science of nurturing crops that can feed nations. As the University of Minnesota senior vice president for system academic administration, he is a fervent champion of international education, a movement that can nurture understanding between individuals, cultures, and countries across the globe. His commitment to promoting international education was honored in July when Jones was named one of just three 2010 recipients of the Michael P. Malone International Leadership Award, sponsored by the Association of Public and Land-grant Universities (APLU).

Under Jones's leadership, the U has more than doubled funding for international research, travel, study, and exchange; indeed, the University currently offers students more than 300 overseas-study options. Jones has also guided efforts to internationalize curricula across all academic colleges and to establish research opportunities at universities in China, Ecuador, India, Kenya, Norway, South Africa, and Tanzania.

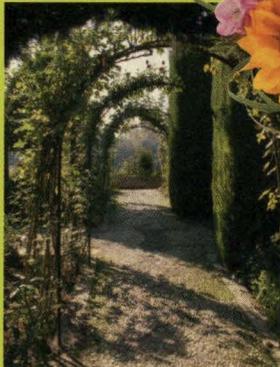
"Making the University of Minnesota a truly international university has been one of our priorities," says U of M President Bob Bruininks. "The relationships that are fostered through inter-



Robert Jones

national exchanges in education and research have a lasting, positive impact on Minnesota's economy. I appreciate the exceptional leadership of Dr. Jones in this area."

Jones, who has served the University for more than two decades, says, "I am deeply grateful to the APLU for selecting me for this award. But my efforts to internationalize the University of Minnesota have been a team effort, so I accept this honor on behalf of everyone who has worked hard to bring international perspectives to our institution."
—J.J.



Surprising new ideas to inspire your style

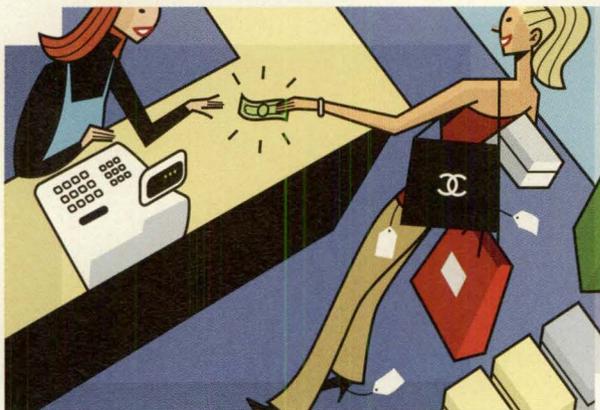
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On Solid Ground

Flooring matters. That's the conclusion of research conducted at the University of Minnesota's Carlson School of Management that demonstrates a connection between how consumers perceive a product and the type of floor they're standing on when they view the product.

The findings suggest that consumers feel a greater sense of physical comfort while shopping on carpet as opposed to tile. But, ironically, when people stand on carpet, they will judge products that are close to them as less comforting than products viewed from a distance. Researchers said the findings suggest that brick and mortar retailers and service providers need to pay attention to elements of interior design, such as flooring, because these may determine whether or not a consumer makes a purchase.

The study was published in the June issue of the *Journal of Consumer Research*.

Dirty Soap



Liquid hand soap cleans hands, but it might be fouling rivers. Researchers from the University of Minnesota's College of Science and Engineering have found that toxins from the antibacterial agent triclosan, used in dishwashing liquid, liquid hand soap, and other consumer products, account for an increasing proportion of total dioxins in Mississippi River sediments. Dioxins are a group of toxic chemical compounds typically resulting from industrial processes. They can cause reproductive and

developmental problems, damage the immune system, interfere with hormones, and also cause cancer.

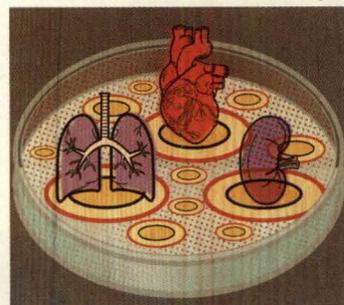
Triclosan, when exposed to sunlight, generates four dioxins. Researchers found that the levels of these four dioxins in the Mississippi have risen by 200 percent to 300 percent over the past 30 years, while levels of all the other dioxins have dropped by 73 percent to 90 percent.

About 76 percent of commercial liquid hand soaps contain triclosan. It makes its way into rivers through disposal in residential drains, leading to large loads of the chemical entering wastewater treatment plants. The study appears online in the May 17 issue of *Environmental Science and Technology*.

Respiration Inspiration

Scientists with the University of Minnesota's Masonic Cancer Center and Medical School have created breathing mouse lungs in the laboratory using a technique similar to that used two years ago to create a beating heart.

Researchers used a process called whole organ decellularization to remove cells from the lungs of a dead adult mouse and implant healthy stem cells derived from fetal mice into the decellularized matrix, the lungs' natural framework. After about seven days in an incubator, the infused cells attached themselves to the matrix, which breathed with the aid of a tiny makeshift ventilator. This

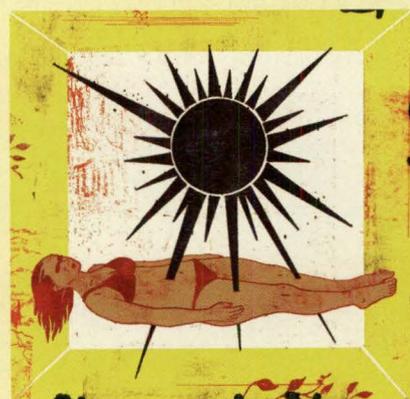


is the first time ever that working lungs have been created in a laboratory.

The discovery could open the door to new treatments for people with lung cancer and irreversible lung disease. The research appeared in the August 6 issue of the journal *Tissue Engineering*.

Doubts about Tanning Dangers Put to Bed

Indoor tanning unquestionably increases the risk of developing melanoma, the most serious form of skin



cancer, according to new research from the University of Minnesota's School of Public Health and the Masonic Cancer Center.

A study of 2,268 Minnesotans found that people who use any type of tanning bed for any amount of time are 74 percent more likely to develop melanoma. Frequent users of indoor tanning beds—defined as 50-plus hours, more than 100 sessions, or for 10-plus years—are two to three times more likely to develop melanoma than those who never use tanning devices. Furthermore, the study found that the risk of getting melanoma is associated more with how much a person tans and not the age at which he or she starts using tanning devices. Risk was found to increase with frequency of use, regardless of age, gender, or the type of tanning device used.

Incidence of melanoma is increasing in the United States at one of the fastest rates of all cancers. While it accounts for only about 4 percent of all skin cancer, it causes about 79 percent of all skin cancer deaths. Melanoma is very difficult to treat in its advanced stages.

The study appeared online in the May 26 issue of *Cancer Epidemiology, Biomarkers & Prevention*.

Definitive Findings on Cholesterol

For years scientists have known that high levels of low-density lipoproteins (commonly known as LDL cholesterol) are a risk factor for heart disease, stroke, and peripheral artery disease. Now, a University of Minnesota Medical School study that followed more than 800 patients for 25 years has definitively shown that lowering LDL cholesterol levels not only reduces the incidence of disease, but actually increases life expectancy.

The findings stem from the Program on Surgical Control of the Hyperlipidemias (POSCH) trial, which began at the U in 1975. At that time, the two methods available to reduce

cholesterol levels in the blood were diet and surgery to bypass the portion of the small intestine where cholesterol is absorbed.

Low-density lipoproteins build up in the arteries and cause them to narrow. High-density lipoproteins (HDL), also known as HDL cholesterol, are beneficial substances that can protect against heart attack and stroke.

Researchers evaluated 838 heart attack survivors between the ages of 38 and 60. Of those, 417 patients were assigned to treatment with diet instruction only and 421 to diet instructions plus surgery. Researchers found that, 25 years later, the group

that had surgery increased their life expectancy by one year.

The advent and popularity of statins—cholesterol-lowering medications—has relegated the surgery to only a small minority of patients who have adverse effects to the drugs. Though the surgery is no longer common, the findings of the study are significant because the POSCH trial establishes a definitive correlation between lowering cholesterol levels and increasing life expectancy. Additionally, it is the only cholesterol study to have a 25-year follow-up period.

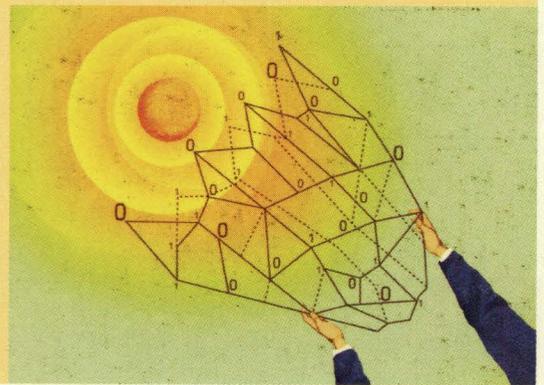
The research is published in the May edition of the *Annals of Surgery*.

What's New under the Sun

A University of Minnesota research team from the College of Science and Engineering has taken the first step toward increasing the energy efficiency of solar cells. Current solar cells typically operate at an efficiency rate of approximately 30 percent. Sun rays strike the outermost layer of the cells, which is usually made of silicon. The problem is that many electrons in the silicon absorb excess solar energy and radiate that energy away as heat before it can be harnessed. Efforts to extract these so-called “hot” electrons from traditional silicon semiconductors have failed.

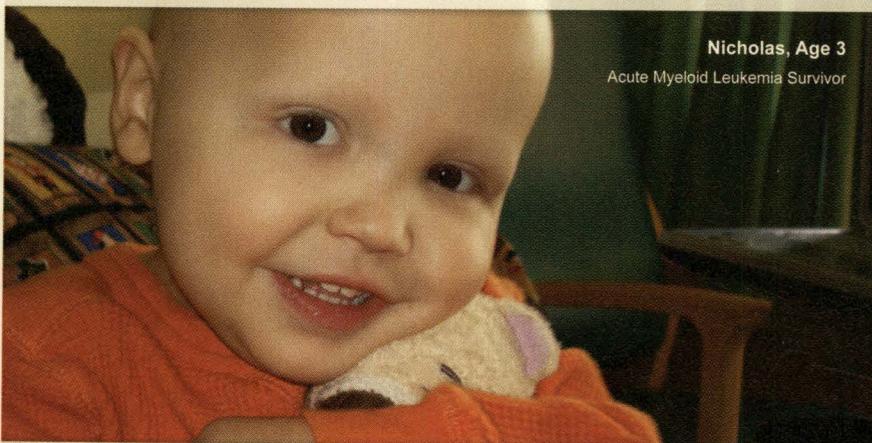
The U research team discovered that “quantum dot” semiconductors that are only a few nanometers wide and made of lead selenide rather than silicon could accelerate the extraction of hot electrons. The electrons can be transferred by using titanium dioxide, a common, inexpensive, and abundant semiconductor material that behaves like wire. The next step is to figure out how to eliminate energy loss altogether in quantum dot solar cells.

The study is published online in the June 18 issue of *Science*.



 **Discoveries is edited by Cynthia Scott.** University of Minnesota Alumni Association members may access many of the journals that published these studies through the Libraries Online member benefit. Go to www.MinnesotaAlumni.org/Libraries.

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Campus Fugit

On not embracing a virtual U

“Do you really think [that] in 20 years somebody is going to put on their backpack, drive a half hour to the University of Minnesota from the suburbs, haul their keister across campus, and sit and listen to some boring person drone on about Econ 101 or Spanish 101?”

—Minnesota Governor Tim Pawlenty (B.A. '83, J.D. '86)
discussing internet-delivered education
with Jon Stewart on *The Daily Show*,
June 10, 2010

FIRST PERSON

A part from a couple of fairly obvious quibbles—*Who drives while wearing a backpack? And why do you assume, sir, that the instructor would be boring and that he or she would necessarily drone?*—I can't offer a strong critique of my governor and fellow alumnus's vision of higher learning's future. He's right:

An awful lot of what used to go on in ivied halls and cavernous lecture spaces will move to the web. It's happening already, and it won't be 20 years before it happens in earnest. If keisters are hauled, they won't be hauled as far. Maybe they won't be hauled at all. A student will wake up, mutter “Español!” in the general direction of his smartphone, and soon be conjugating his brains out. Think of the convenience. Think of the efficiency. Think of the savings in fossil fuel.

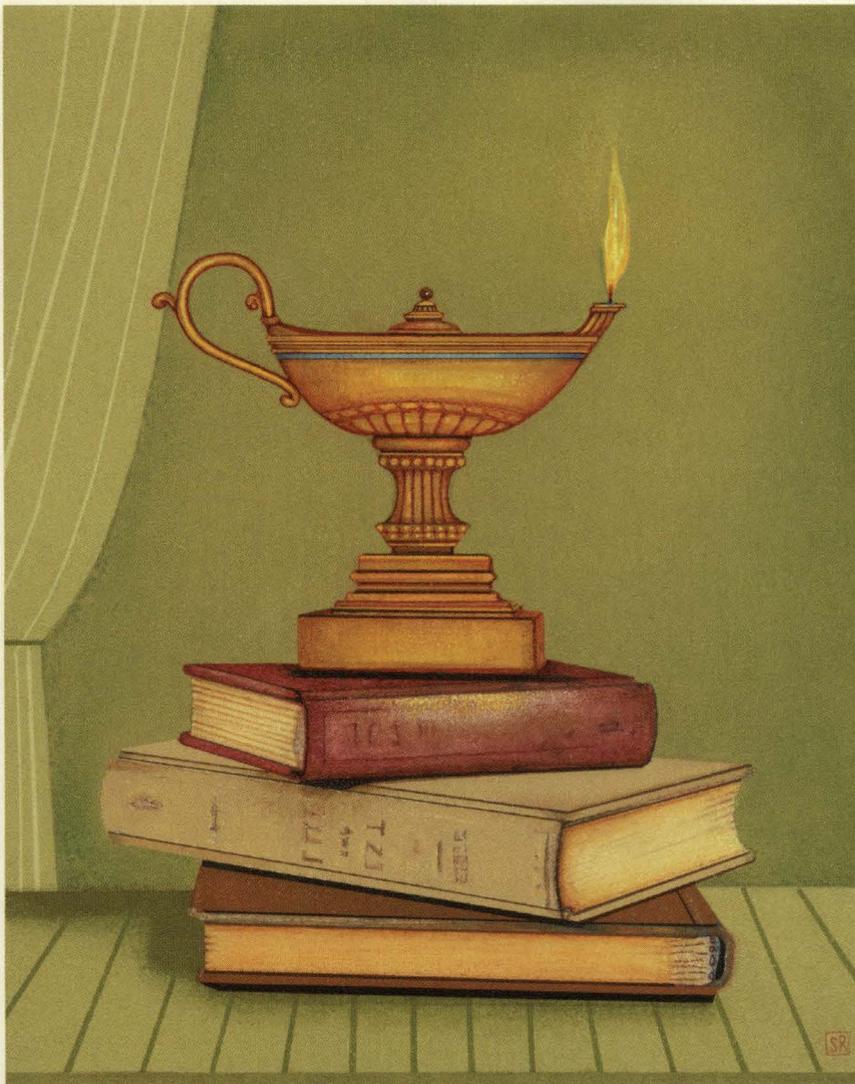
If you're a politician these days, of any ideological stripe, you have to think about these things—think about them and champion them and take credit for them once they come to pass. If you're canny, you'll finesse your position by making the point that while the land grant university is a great and noble institution, we have entered an era in which grants of land are less important than scads of bandwidth. Online education will save money. That's the bottom line, and the bottom line is the line that matters. Didn't we all learn that in Econ 101?

Since I'm lucky enough to (a) not be a politician, (b) find myself pretty far along the road to sentimental old coot-hood, and (c) not remember much of Econ 101, I feel free to champion the admittedly old-fashioned concepts of a campus-centric approach to learning and a geographically based community of students and a

backpack-wearing, keister-hauling, professor-encountering academic lifestyle. I'm not talking about a snooty idyll in the groves of academe. When I was at the U, in the late 1970s, I wouldn't have had time for that, as I was usually working two or three jobs while taking a full load of courses. At the same time, I remember very clearly that the campus was more to me than real estate. Some principle seemed to have been enshrined there. I couldn't have articulated it then, and I'm not sure I can now. It's easy enough to say, *Oh, the very architecture seemed imbued with a reverence for learning*, but that sounds nauseatingly fey, and it doesn't really communicate anything. I took three quarters of Latin in Folwell Hall, and because of that, my understanding of grammar is all tied up with the marble hallways and wrought-iron staircases of that English Renaissance Revival chateau. I can still feel how the light came through the windows as we translated Virgil: Arms and the man we ever so haltingly sang, and haughty Juno, and the doubtful war, and the long glories of majestic Rome, and the place in which we performed that exacting exercise mattered, as did the trees outside and the weather and the places to which we'd be hauling our keisters after class.

I often hauled mine to the hospital, where I worked the 3-to-11 p.m. shift as a nursing assistant on Station 44, the surgical intensive care unit. This was the old University Hospital, in the Mayo Building, which now houses the School of Public Health. The place was cramped and outdated even then, but the care was excellent. At break time the nurses would gather around a 40-cup coffee urn in a tiny room, smoking Merits for all they were worth, while I sat in an even smaller room across the hall, hemmed in by sterile packets of surgical scissors and clamps, bulk sacks of multicolored syringes, and cartons of IV fluid pouches. I would do my homework there when I wasn't running blood samples to the lab or fetching X-rays or helping to settle a patient who'd just come back from the operating room with a freshly replumbed heart. It's possible that the atmosphere of Station 44 made me approach my studies a bit more seriously than I would have if I'd been, say, a busboy at Stub & Herb's. Like a lot of undergraduates, I was quite the moony doofus, oblivious to many of the most glaring facts of life. Still, there's no place like a teaching hospital for having the two-by-four of *tempus fugit* smacked repeatedly against your thick skull. One of my tasks was to take bodies to the morgue in the Mayo basement. There was an anteroom, dimly lit, with a ledger

ESSAY BY JEFF JOHNSON » ILLUSTRATION BY STEVEN RYDBERG



in which you wrote the patient's name and a few salient facts. Novelists, philosophers, biologists, anthropologists—all these people I was reading were talking in their differing ways and voices about the finite singularity of a human life, and here to back them up was this heavy book full of names inked by strangers like me. It was, you might say, the lab in which the lectures proved out. It was not virtual; it was genuine and specific. This room beneath the earth but above the Mississippi, this low table, this open book with its wide, ruled pages, this small lamp burning as the refrigerator motors rumbled on the other side of the wall. It was a place on the campus, and the campus was a place on the Earth.

So, great, you may be thinking. *The State of Minnesota, over the course of more than a century, built this large and graceful and multifarious physical plant so that you might have a run-of-the-mill epiphany?* Well, yes and no. Nothing was done for me, or you, or anyone in particular. The campus was built with the very practical expectation that it would host countless epiphanies. Education runs on epiphanies, after all. I was just in the right place at the right time.

Jeff Johnson (B.A. '79), a former editor of *Minnesota Monthly* magazine, is a writer who lives in Minneapolis. First Person essays may be written by University of Minnesota alumni, students, or faculty or staff members. For writers' guidelines, visit www.MinnesotaAlumni.org/firstperson.

My usual route home from the Mayo Building (on foot in my hospital whites, backpack heavy, keister dragging; sometimes as I walked I thought of troublesome old Virgil—*The weary Trojans ply their shattered oars*) took me up the east side of Northrop Mall, across the plaza beneath the massive grooved columns of the auditorium, then north past gargoyle-festooned Folwell to Dinkytown and west through the sorority quarter toward my studio apartment on the far side of 35W. In one of the sorority houses slumbered a girl who would soon enough crush my heart like a cigarette butt—another ordinary educational epiphany. In the meantime, though, there were the pleasures of the undergraduate night. The way the lights along the sidewalks caught the undersides of the overhanging trees, the way your tired mind fumbled among the words you'd heard and read and translated that day, the way the buildings hulked above you like fortresses belonging to solemn, approachable kings. There were whiffs of aspiration in the air. Sometimes it seemed as though they emanated from the libraries and towers and halls, but of course that was not the case. The aspiration is general among human beings. You build a campus to concentrate it—to husband it, in the archaic, agricultural, land-grant sense of that term. And you husband it so that there might be enough to feed everyone.

To that putative kid 20 years down the road who won't think twice about taking college Spanish from his suburban basement, I'd like to say, Think twice. Load the backpack; haul the keister; put in your class time. Even if the prof comes equipped with a voice and manner that could redefine the word *drone* for the ages, sit and listen until you can't take it anymore. Then look around. If there's a person you find attractive, do a little flirting. If not, consider the instructor again. Is there a smidgen of what you recognize as humanity in that ambulatory boredom generator? If so, try building on it. What *experiencias de la vida* might inspire a person to want to teach another language? Where would one even find pants that color? If all else fails, look out the window. Sky, lawn, shrubbery, buses, institutional architecture, people having anxiety attacks and epiphanies in roughly equal measure. Empty your mind and wait for an epiphany of your own. Whether one comes or not, say *gracias*—to your parents, to the citizens of your state, to history, to your lucky stars, to every force in the universe that's brought you to this particular place and moment. Remember: Somewhere nearby, there's a horizontal fridge with your name on it. In my book, that knowledge is what we call intellectual stimulation. ■



Who's Minding the Animals?

The number of veterinarians electing to live in rural America to tend to cows, pigs, and other food animals is the lowest in 70 years. But not everyone—many farmers and vets included—agrees that this trend is a problem.

By Greg Breining ■ Photographs by Sher Stoneman

Dr. Larry Goelz (B.S. '94, D.V.M. '96) makes house calls, driving the rural highways and back roads of Minnesota, South Dakota, and Iowa in his black GMC pickup. His patients are mostly cows and horses but might include sheep, pigs, and just about any other farm animal or pet. "If your vision of large-animal veterinarians is James Herriot," says Goelz, "things have changed a lot."

James Herriot, of course, was the modest British country vet turned author whose heartwarming stories portray the close-knit and somewhat isolated communities in the bucolic North Yorkshire countryside in the World War II era.

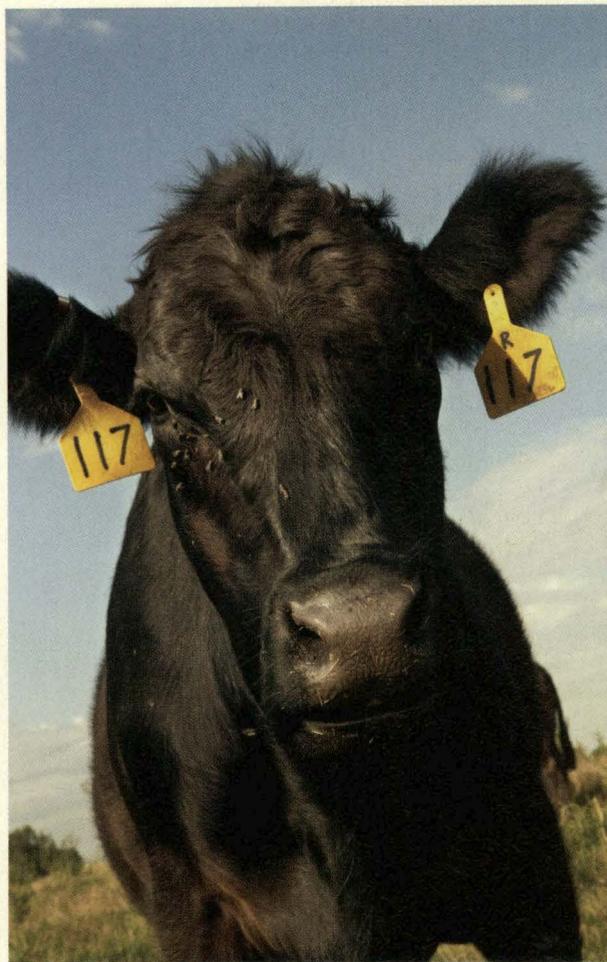
But farming—in the midwestern United States and elsewhere—is no longer a business of small farms, mixed agriculture, and parochial relationships. In the broad sweep of farmland around Pipestone, Minnesota, dairy and beef cattle operations number in the hundreds of animals. New swine barns hold a thousand pigs.

In Pipestone County, the ratio of farm animals to veterinarians is 30,000 to 1. In adjoining counties, the ratio is 100,000 to 1. Veterinary clinics have grown, consolidated, and specialized. Some counties have no resident veterinarians at all, and vets travel to fill the void. Goelz figures he drives an average of 134 miles a day.

Some of Goelz's colleagues at the Pipestone Veterinary Clinic travel even more widely. "When I graduated in 1981, you [worked] in Pipestone County and that was it," says Gordon Spronk (B.S. '79, D.V.M. '81), a senior partner. He was one of two vets at the clinic back then. Now there are 14. Spronk recently returned from China, where he consulted about swine, his specialty.

Left: Dr. Larry Goelz (right) performs a vasectomy on a ram lamb in the back of a trailer as vet tech Del Ford holds the animal still.

With rising big ag, a declining rural population, and increasing specialization in agriculture, "there's concern that there are fewer veterinarians who can respond to the needs of the food ani-



mals in rural communities," says Trevor Ames (M.S. '91), dean of the University of Minnesota's College of Veterinary Medicine. In a state that ranks first in the nation in turkeys, third in swine, and in the top half-dozen in dairy cows, says Ames, "keeping those animals healthy plays a significant role in keeping the state's economy healthy."

Professionals in veterinary medicine worry that rural areas don't have enough food-animal vets and that the situation will grow worse, compromising the welfare of farm animals, threatening the nation's food supply, and even endangering public health. "Veterinarians affect the lives of Minnesotans every minute of every day," Ames says.

According to a recent essay in the *Journal of the American Veterinary Medical Association*, the number of vets choosing careers related to food animals is the lowest in 70 years. Fewer than 14 percent of American Veterinary Medical Association members reported that they worked in practices related to food animals. The association reports that the vet-to-food-animal shortage is most acute through the Great Plains, from Texas to southwestern Minnesota.

Writes Jennifer Walker, veterinary epidemiologist with Dean Foods of Dallas and author of the essay, there's "increasing concern that traditional rural, mixed-practice [food-animal vets] are on a path toward extinction."

A day in the life

Goelz, who grew up on a farm near Redwood Falls, Minnesota, pulls into the Pipestone Veterinary Clinic on the south edge of town about 7:30 a.m. He picks out supplies and loads them into his pickup. He

pulls on green coveralls and rubber overshoes, and then he climbs behind the wheel and drives north through town.

The clinic is a mix of specialists and generalists, he explains. Several work almost exclusively on swine. One tends to dogs and cats. Goelz is an authority on cattle and horses. “That specialization has increased more and more as operations have gotten larger,” he says. “Our clients have millions of dollars on the line. They want the best, and they want somebody who focuses on that solely.”

But, he adds, “When you’re on call you do anything that needs to

but the barn is cool and breezy with the heavy aroma of manure. After milking, the cows file down the “return lane,” their hind ends presented so Goelz can walk behind each animal.

He pulls on a disposable glove that reaches to his left shoulder and plunges the sensor, and his arm up to the bicep, into the cow’s rectum. Within seconds he captures an ultrasound image of the uterus, which he views on a tiny monitor he wears like a jeweler’s eyepiece. Goelz sees a fetus. “Pregnant,” he calls out, and Zeinstra takes note on a clipboard. And so on, one cow after another. “Pregnant.” Or “She’s open”—that is, not pregnant and ready to be bred again.

In decades past, food-animal vets primarily cared for sick or injured animals. Today, focus is less on the individual animal and more on managing the herd. Vets pay visits to dozens of farms to evaluate health, handle vaccinations, test for pregnancy—all on a schedule—serving the needs of a large farm in a single visit and making a long drive practical.

Because veterinarians routinely see a lot of animals over a broad area, they “serve as the first line of defense against disease outbreak—diseases that potentially affect humans, such as TB,” says Goelz. “One of the concerns is that if there’s not a lot of veterinarians around, it won’t be possible to identify a disease outbreak quickly enough. So, obviously, the federal government has a huge interest in having veterinarians all around the U.S. trained to identify these diseases and notify the authorities whenever we suspect them.”

Goelz tells several stories about disease outbreaks he’s witnessed, including in 1999 when pseudorabies was in the final stages of national eradication. As a student, he recalls thinking he’d never see the disease. “Three years later there were outbreaks across the Upper Midwest,” he says. “I diagnosed it three times myself, and as a group we were involved in a dozen outbreaks on farms. It was a very memorable, eye-opening experience, particularly when you consider the amount of animal movement in today’s agriculture.”

Goelz grabs his bottle of Diet Pepsi—with his right hand—and drinks. It’s difficult to recruit more people to food-animal veterinary practice for several reasons, he says. Pay is comparable to companion-animal practices in towns and cities but the hours are longer, and physically handling livestock is taxing. Goelz has had arthroscopic surgery on his

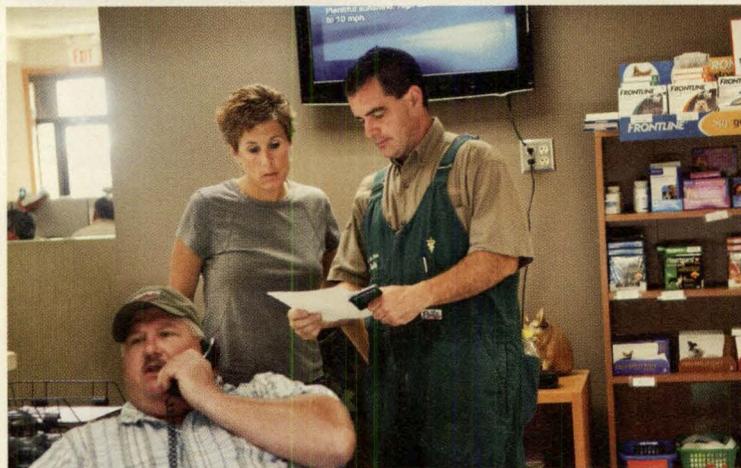
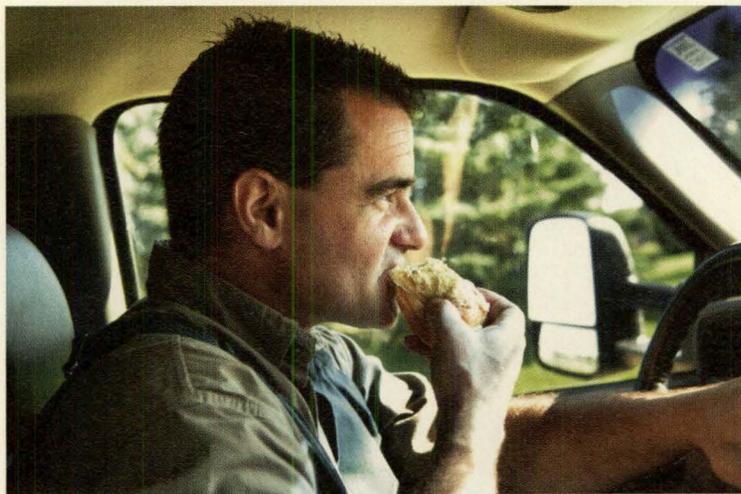
knee to remove part of a damaged meniscus and has also ruptured a disc—injuries he attributes to the wear and tear of shoving large animals around. “It’s not a matter of if you get hurt, but when and how bad,” he says.

The biggest issue seems to be farm country itself. “How do you attract someone who is 25 or 30 to a rural area?” Goelz asks. Of his colleagues in Pipestone, nearly every one grew up on a farm or in a small town. “We don’t exactly have an opera house here. It helps that we’re only an hour from Sioux Falls [South Dakota]. But for most people who grew up in a metro area, Sioux Falls isn’t big enough.”

Responding to a shortage

Do we have enough food-animal veterinarians?

Maps by the American Veterinary Medical Association would say no. They show counties in southwestern Minnesota where the ratio of farm animals to vets is 100,000 to 1. Several counties in western Minnesota have tens of thousands of farm animals and no vets at all.



Top: Goelz often eats his meals as he drives from farm to farm and frequently travels with a box of pastries in the cab.
Bottom: Goelz consults with Pipestone Veterinary Clinic staff member Angie DeGroot as staffer Scott Crawford talks on the phone.

be done: pull a calf, do a C-section on a dog, surgery on a cow, suture up a cut horse.”

Along Buffalo Ridge, sunshine glints off the blades of wind turbines as Goelz turns into Mike Zeinstra’s farm. Today Goelz is conducting pregnancy

checks on several dozen cows that were artificially inseminated a month earlier. The average cow in Zeinstra’s herd of 550 produces 86 pounds—10 gallons—of milk each day. Unnecessary periods of infertility mean a loss of production. Says Goelz, “There’s tremendous economic advantage to getting them pregnant early.”

Goelz slips on a backpack carrying a portable ultrasound unit; a streamlined plastic-covered sensor dangles from a long cord. He steps into the sprawling barn where Zeinstra and several hands herd cows through one of three daily milkings. The morning is warm



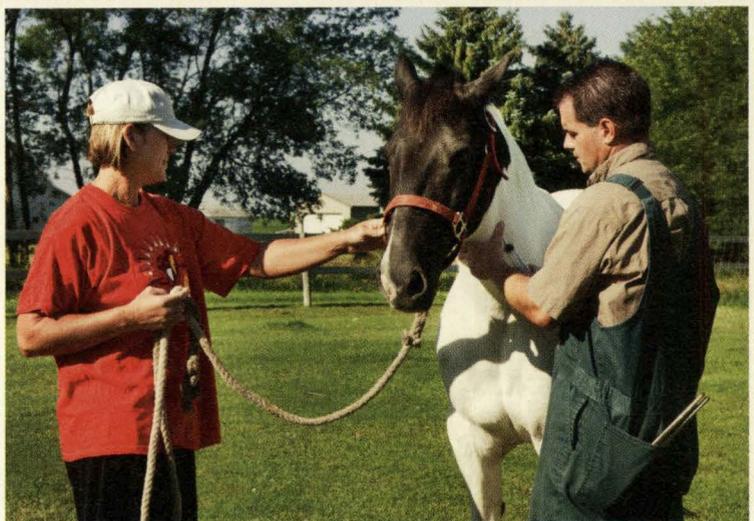
Above: Goelz drains and cleans an abscess on a Holstein heifer at the Pipestone Livestock Auction Market.
Right: Goelz injects an anti-inflammatory drug into Terrie Petersen's horse Beau, who had a hoof infection called laminitis.

The U.S. Department of Agriculture would say no too. Its National Institute of Food and Agriculture has designated portions of central, west central, and northwestern Minnesota as “shortage situations” for the purposes of a federal education loan-repayment program designed to lure veterinary graduates to underserved rural areas.

But most farmers seem to be getting by. “I’ve learned to do an awful lot of it myself,” says Art Krahn, who milks about 40 cows and has 80 beef cattle on a farm near Warroad, Minnesota. His vet is located 40 miles away, in Greenbush. “It’s not that he’s not a great vet. But that guy runs long and hard. I know that,” he says. “I do call and consult once in a while to get the right medications.”

Ron Homan, who runs a 1,300-pig farrow-to-wean farm near Hector, Minnesota, says it’s vital to have a vet when he needs one but not necessary to have a vet close at hand. He even trucks ailing pigs to University of Minnesota diagnostic labs in St. Paul 100 miles away. “If you’ve been in the industry long enough, you get to know those people,” he says. “You want the healthiest animals you can have.”

Yet veterinarians see danger in a potentially diminishing pool of students willing to become food-animal vets. “If there are fewer farm kids growing up in agriculture, I think that reflects itself in the



pool of people that apply to veterinary school and have an interest or desire to work with farmers in food-animal production,” says Jeff Feder (B.S. ’95, D.V.M. ’97), a veterinarian at the Swine Vet Center in St. Peter, Minnesota.

At the University of Minnesota, the College of Veterinary Medicine has launched or helped develop several recent initiatives to prepare and encourage students to practice food-animal medicine.

The fast track. Eight years ago, the College of Veterinary Medicine developed the Veterinary Food Animal Scholar Track, or VetFAST. Students in animal science who qualify by high-school rank, ACT

score, and food-animal experience can apply to veterinary school at the end of their freshman year instead of waiting until their junior or senior year. They're guaranteed acceptance if they maintain a 3.4 grade-point average and complete internships in mentored veterinary experiences. Students can apply veterinary credits to an animal science degree, shaving a year off the time required to earn both degrees. This year, the program will accept about nine freshmen, says Ames. "Kids from rural communities who worry about getting lost at the University all of a sudden can see a career path," he says.

Carissa Odland (B.S. '06, D.V.M. '09), who grew up on a sheep farm near St. Peter, enrolled in VetFAST as a freshman. "The key advantage was that it really helped you to focus," she says. "I knew that I wanted to work with livestock. The small group of people who were also in the VetFAST program would help each other out." VetFAST students benefit from early mentorships with veterinary faculty and gain an inside track on summer internships and scholarships. After earning her doctorate degree, Odland joined the Pipestone Veterinary Clinic.

Loan forgiveness. The high cost of a veterinary medicine degree and modest starting salary can keep students out of the field altogether. The average indebtedness of a new graduate is \$120,000, roughly twice the average starting salary.

"These students are getting out of school with a significant debt load that is an albatross around their neck," says state Senator Steve Dille (B.S. '67, D.V.M. '69), of Dassel, himself a large-animal vet before he entered politics. "If we can provide some incentive for young people to go out in the country where the large-animal veterinarians are really needed... once they stay five years they generally stay for the rest of their productive life."

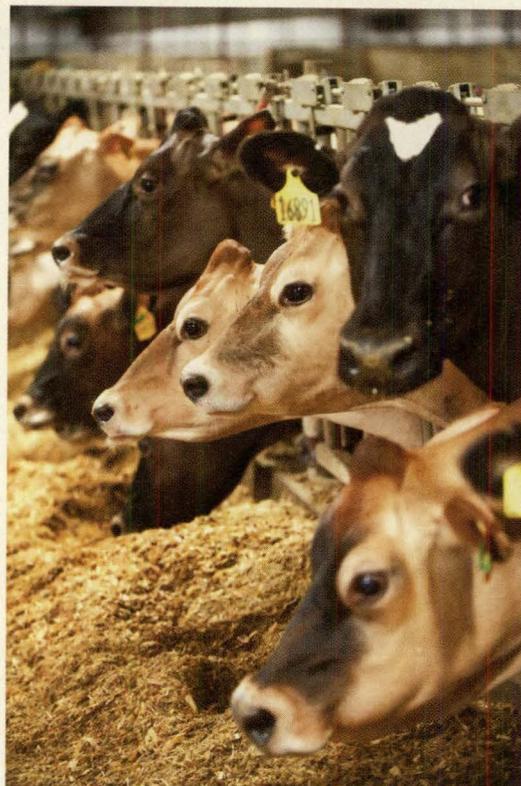
To reduce the barrier of debt, Ames has worked with Dille and state Representative Mary Ellen Otremba, of Long Prairie, to develop a state loan forgiveness program. The program funds payments of as much as \$15,000 a year for up to five years to College of Veterinary Medicine students and graduates who agree to take a full-time job working with food animals in rural Minnesota.

The federal government offers a similar plan. The U.S. Department of Agriculture's Veterinary Medicine Loan Repayment Program will pay up to \$25,000 each year toward educational loans of eligible veterinarians who agree to serve for three years in areas where the National Institute of Food and Agriculture has designated a shortage of vets, including parts of Minnesota.

Public health vets. Contagious animal diseases have always concerned vets. But the threat of terrorism and appearance of diseases such as swine and avian flu that potentially may pass between humans and animals have stoked interest in public health veterinarians in agencies such as the U.S. Food and Drug Administration and Centers for Disease Control and Prevention.

"What do you do when you have an outbreak?" asks Scott Wells (Ph.D. '92), professor of epidemiology, public health, and food hygiene at the University of Minnesota. "Or a natural disaster of some sort? Or some sort of bioterrorism?" To better meet these animal-human health concerns, the U's College of Veterinary Medicine and School of Public Health have developed a joint degree program in which more than 100 students are enrolled.

"Veterinarians are our first line of defense," says Ames. A classic example was an outbreak of avian pneumovirus, a respiratory disease in turkeys that spread through the Upper Midwest, primarily Minnesota, a decade ago. Within five years, University vets had



Above: Dairy cattle at the New Sweden Dairy. Top right: The New Sweden Dairy features a 72-cow rotating milking parlor that milks cows 24 hours a day, except for two 45-minute cleaning periods. Bottom right: University of Minnesota veterinary medicine students Stephanie Stewart (front left) and Alexandre Scanavez (right) conduct pregnancy checks on cattle at the New Sweden Dairy as classmate Jessie Liebenstein looks on.

developed diagnostic tests and vaccines, Ames says. "The whole disease control system is based on initial detection by practicing veterinarians."

Better clinical facilities. The best way to prepare more veterinarians is to give them an excellent education. The College of Veterinary Medicine this spring opened new teaching facilities at New Sweden Dairy near Le Sueur, Minnesota. "It's a very efficient way to teach," says Ames. "You can have them in a classroom, then you can walk right out and show it to them."

New Sweden Dairy is a state-of-the-art farm owned by Davisco Foods International, headquartered in Le Sueur, which also owns nearby Northern Plains Dairy. Together, the dairies employ about 75 people and milk some 7,000 cows. The U doesn't own the dairy, but the College of Veterinary Medicine did help plan it and raised funds for an academic building at the dairy that includes offices, classrooms, laboratories, and dorms for up to 24 students.

The college has had teaching facilities at a working dairy in the past, as well as a swine facility, but nothing on the scale of New Sweden. The dairy calved more than 7,000 cows in the past year, providing an outstanding opportunity for veterinary students to observe and treat animal health problems. "Sooner or later, [an animal] is going to get sick," says John Fetrow, University professor of ruminant health management. "Ordinary clinical events will happen that we can then use to teach our students. How do you diagnose it? How do you treat it? There's a wealth of clinical teaching material



here without having to drive from farm to farm.”

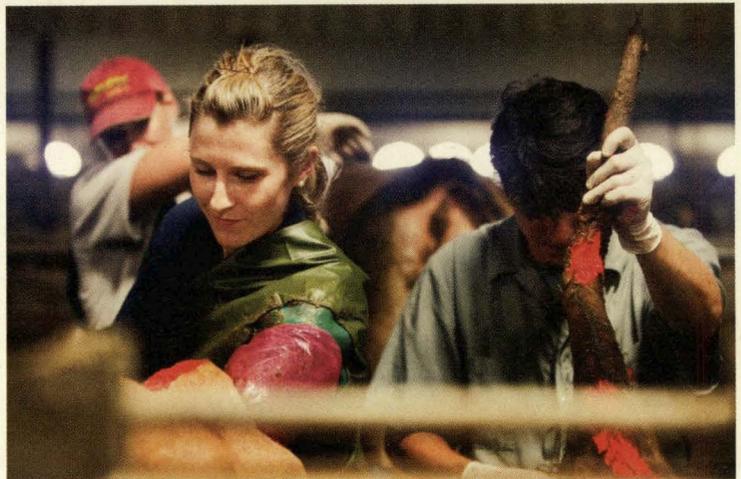
The centerpiece of the dairy’s commercial facilities is a 72-cow rotary milking parlor, like an elevated bovine merry-go-round. As cows revolve, milkers disinfect teats, dry them, apply the milking machines, and then disinfect the teats again before the cows step off one by one and return to stalls. Within 20 seconds of milking, the milk is chilled to 34 degrees and piped directly to a waiting tanker truck. Says Fetrow, “Within 12 to 24 hours of coming out of the cow here, it’s a 40-pound block of cheddar cheese in a cooler.”

Selling the good life

The University must sell the benefits of rural life, says Pipestone vet Spronk, who serves on an advisory panel for the College of Veterinary Medicine. “We’ve got to say, ‘Listen, there’s something noble about raising food. And there’s a purpose in life in being back on the farm and feeding the world.’”

For the dwindling few who actually do come from farms, no salesmanship is necessary. Scott Vanderpoel grew up on a farm in southwestern Minnesota, studied animal science in South Dakota, worked for a summer in a veterinary clinic, and decided veterinary medicine is where he wanted to stay. “I really enjoyed the profession and the industry,” he says. He recently was accepted to the U’s College of Veterinary Medicine. For him, becoming a vet was a way to stay in farming without becoming a farmer. “A lot of farm kids don’t go back to the farm but go into a different part of the profession.”

That’s not news to a grown-up farm kid like Goelz. Living in ag country is a plus, not a minus. He and his family live on a farm five miles from the Pipestone clinic. “If you grew up on the farm, you



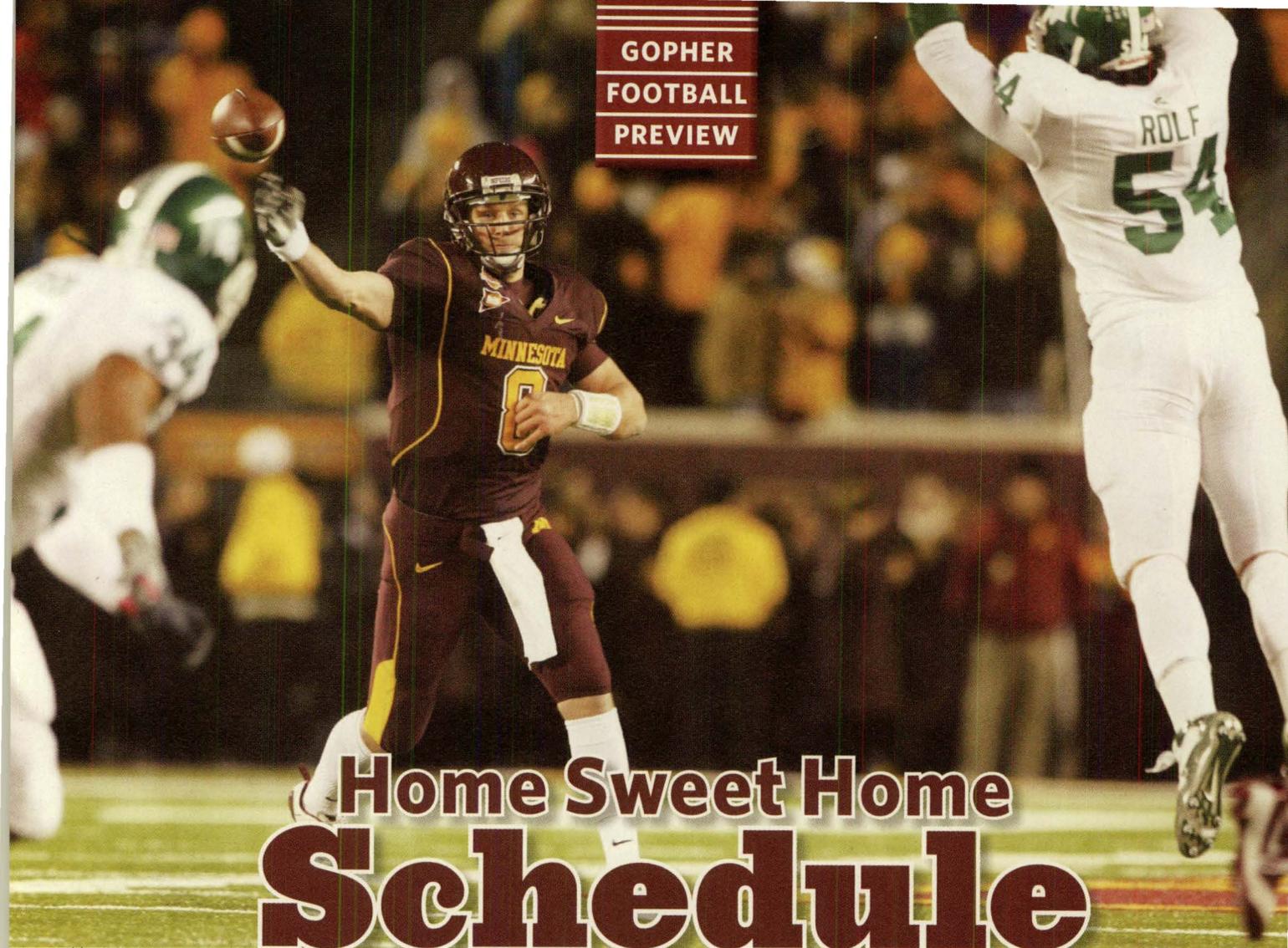
want that peace and quiet,” he says.

Through the remainder of his workday, Goelz tends to a variety of chores reminiscent of old-time medicine. He stops at a small sheep farm to fix anal prolapses—distended rectums—of three sheep. He stops on the edge of town to check the progress of a riding horse with laminitis, a common hoof infection.

Shortly after noon, he swings through the Pipestone McDonald’s to pick up lunch and drives back to the clinic to do paperwork and grab additional supplies.

By mid-afternoon, he’s back on the road to a small farm southwest of town to do more pregnancy checks. “I love what I do,” he says. “So I’m happy.”

Greg Breining (B.A. '74) is a St. Paul-based freelance writer.



Home Sweet Home Schedule

Two words sum up what's most on Golden Gopher fans' minds for the Saturdays ahead: the schedule. According to at least one national analyst, the Gophers face the fifth most difficult schedule in college football this year. But for head coach Tim Brewster (14-24 overall, 6-18 Big Ten)—still irrepressibly optimistic about Minnesota football as he enters his fourth season—that's not a problem. Quite the opposite.

"This will be the finest home schedule in the history of the Minnesota football program. That's a mouthful. You've got USC, Ohio State, Penn State, Iowa, and Northwestern all coming in to TCF Bank Stadium. That's really exciting for our fans," he says. It's also a bit daunting: The first four of those teams each finished last year ranked in the top 25.

Time will tell if Brewster's signature optimism is well-founded. But one thing is certain: He has put his team in a position to play more meaningful games against formidable opponents, and that's even before Nebraska joins the Big Ten in 2011. Now it's up to the team to cook up some good mojo in its new digs.

Fans, no less than the team and coach, are hungry to surprise the naysayers. "We need to have that signature win at home where [the crowd] rushes the field and takes those goalposts down and makes magic happen," Brewster says.

In this preview to the 2010 season, read more from Coach Brewster, find out what's happening on campus on game days, and discover a few things about Gopher players that might surprise you.

Quarterback Adam Weber, a fifth year senior in 2010, led the Gophers to a thrilling victory over Michigan State last season.

2010 GOPHER FOOTBALL SCHEDULE

September 2	Middle Tennessee State	6:30 p.m.
September 11	South Dakota	11 a.m.
September 18	Southern California	2:30 p.m.
September 25	Northern Illinois	7:30 p.m.
October 2	Northwestern (Homecoming)	11 a.m.
October 9	Wisconsin	11 a.m.
October 16	Purdue	11 a.m.
October 23	Penn State	TBA
October 30	Ohio State	7 p.m.
November 6	Michigan State	TBA
November 13	Illinois	TBA
November 27	Iowa	TBA

Home games are in bold. Game times and broadcast information are at www.gophersports.com.

BY RICK MOORE

Brewster's Expectations High as Ever

Coach Tim Brewster chatted with *Minnesota* about why a tough schedule is a good schedule, what the addition of Nebraska means for the conference, and what he's learned about coaching in the Gopher State.

Q: How did playing at TCF Bank Stadium align with your expectations? TCF Bank Stadium exceeded my expectations. It's a dream come true for the state of Minnesota and for our fans to be back on campus. To me, there's some bigger but there's none better or finer than TCF Bank Stadium.

Q: Scheduling seems like a double-edged sword. Gopher coaches have been criticized in the past for scheduling too many nonconference cupcakes. But now that you've beefed up the schedule, some people think it's going to be too tough to win games. This year we [opened up] on national TV [against Middle Tennessee State, September 2 on ESPN]. If we want to elevate the status of our program, that's the arena we need to be in. I'm not bashful about being in that arena. I want kids who want to be in that arena. I want kids who come to Minnesota to play against the best and challenge themselves to be the best. Because in life I think you shortchange yourself if you do otherwise.

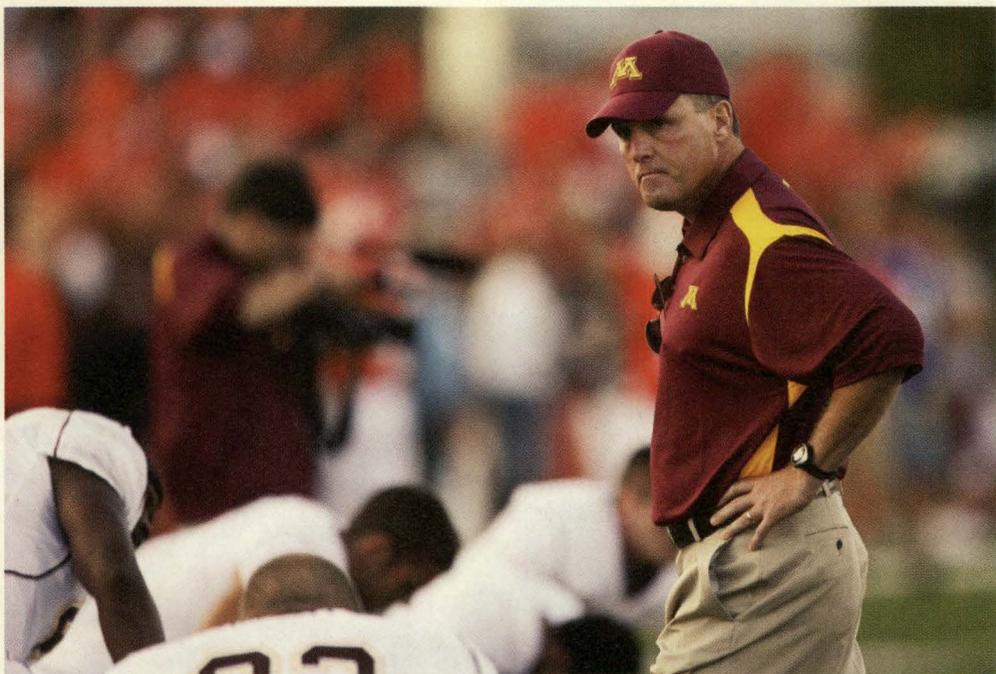
Q: What are your thoughts on adding Nebraska to the Big Ten? It's a tremendous addition. It helps us to add a prestige team to the conference, but most importantly it adds a 12th member so that we can split the divisions and play a nationally televised Big Ten championship game. That's something we've been sorely lacking.

Q: Last year it proved difficult to establish a power running game. What's the offensive philosophy this year? Our offensive philosophy is not going to change. We're a pro-style offense. If you're a pro-style running team, you need a guy at tailback that can make special things happen. [Duane] Bennett and [DeLeon] Eskridge have really worked hard, [and] we're truly excited about three young men in this recruiting class—Donnell Kirkwood, Devon Wright, and Lamonte Edwards. We think they have a chance to really be special running backs.

Q: What has been the biggest surprise in being the head coach of the University of Minnesota football team? More than anything here in Minnesota, there's such a deep-seated, deep-rooted skepticism

about Gopher football. I came in here with a belief that we can win a championship, and unfortunately we got off to a really hard start—a one-win first year. But my belief is as strong today, if not stronger, that you can win here. We are doing the things on a daily basis that are going to allow us to do that.

Q: It seems the Twin Cities media delight in being critical of the program and your optimism. The hard thing about this place is that it's a pro market. In a lot of instances, college kids and coaches are treated like pro players and coaches, and that's unfortunate. Because they're not pro players. A lot of the shots that our media take at players in this market are unjust, unfair. . . . I gave them somebody that they could attack because I'm different. I came in here with a very positive mindset—a mindset of a Rose Bowl,



In his fourth season, Tim Brewster has the Gophers playing the kind of tough schedule he believes will elevate the program.

a championship. Obviously, I knew we weren't going to win a Rose Bowl championship the first year we were here, but that has nothing to do with believing that you *can* win a Rose Bowl championship in Minnesota. People have [asked], "Have you backed down off your [belief]?" Absolutely not. As a matter of fact, I'm even stronger in my belief that we can and will win a Rose Bowl championship here in Minnesota. If I didn't believe that, they should have somebody sitting in this chair that does.

—R.M.

You Don't Say!

Stealing naps on the way to the stadium, the secretive life of the long snapper, and a defensive tackle with the nickname Bubbles. Those were some of the revelations we heard when we asked these players to tell us about themselves. Here are a few more of their disclosures.



Ryan Coleman

RYAN COLEMAN, LONG SNAPPER

Senior kinesiology/clinical movement major from Brookfield, Wisconsin

Pregame superstitions:

I do put on my left ankle brace before I put on my right ankle brace. But other than that, no superstitions.

Favorite stadium other than home:

I'm going to have to go with the Horseshoe—Ohio State. It's not the biggest—I'm pretty sure the Big House [Michigan] and Penn State are bigger—but it's built straight up, and everyone seems on top of you. Their O-H-I-O chant, I mean, it's hard not to get chills, even when you're the opposing team.

Most prized on-field accomplishment:

I don't really know if I have one other than just having the chance to play. Not everybody who is on a team gets a chance to see the field. Just knowing that I get out there, and not many people know me, that's good enough. The fewer people who know you as a long snapper, the better it is.



Brandon Kirksey

BRANDON KIRKSEY, DEFENSIVE TACKLE, CAPTAIN

Junior sociology major from St. Louis, Missouri

Favorite memory as a Gopher:

Our first Youth Day with Coach Brew. Back home, I never did much community service, so I try to do as much giving back as possible. One of my favorite memories is just how the kids look up to us and how they aspire to be like us.

Something most people wouldn't know about you:

My nickname is Bubbles. When I was a baby, I used to blow spit bubbles when [my mom would] kiss me, so she started calling me Bubbles.

Choice for team's biggest character:

[Junior linebacker] Gary Tinsley. He's got an electrifying swag about him. He gets everybody going. He can bring a dull practice where we're just moping around to one of the best practices that we've had so far.



Kim Royston

KIM ROYSTON, DEFENSIVE BACK, CAPTAIN

Senior communications studies major from Minneapolis

Pregame routines or superstitions:

I like listening to gospel music, but besides that, I just like getting my mind ready by myself and kind of staying alone.

Favorite memory as a Gopher:

Running out there for the Air Force game, opening up the stadium, and getting Minnesota football back outside.

Dream occupation:

Besides the NFL, it would have to be some kind of FBI agent. I don't want to sit behind a desk or in a cubicle. I want to be active, chasing down bad guys or something.



Jon Hoese

JON HOESE, FULLBACK, CAPTAIN

Senior business marketing education major from Glencoe, Minnesota

Favorite stadium other than home:

Iowa and Wisconsin—those are fun games just because they're rivals. I guess it's what's at stake that matters for how fun it is to play at these places, for me, anyway.

Favorite memory as a Gopher:

The trips back from a road win are always fun. And the camaraderie that you have as a team; that kind of stuff is irreplaceable.

Something most people wouldn't know about you:

Back in high school I used to race snowmobiles. I raced inside Lambeau Field; that was pretty exciting.



Duane Bennett

DUANE BENNETT, RUNNING BACK

Junior sociology major from Fairview Heights, Illinois

Pregame routines or superstitions:

I think of myself as being a narcoleptic sleeper. Not actually a narcoleptic but I go to sleep a lot. So on the ride to the stadium, I normally sleep. I actually can get a full 20 minutes' sleep before the game.

Favorite stadium other than home:

Iowa. The pink locker room to try to distract you and the fans being practically two rows behind you, reading your name, talking trash. The worst comment I got was when I was riding a bike [on the sideline], just trying to stay warm, and a fan said, "Hey, Bennett, those are a lot of grass stains for no yards." For my freshman year, I was kind of caught off guard.



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Mike Rallis

Dream occupation:

I'm majoring in sociology, so I would have to say a relationship counselor. I like talking to people, hearing problems, and trying to decipher different things and how to help people manage and guide their way through things.

MIKE RALLIS, LINEBACKER

Sophomore finance major from Edina, Minnesota

Favorite stadium other than home:

Camp Randall [Wisconsin]. Last time we were there we almost came away with the W and didn't. That was extremely disappointing, but it was also probably my best game my freshman season. It's a great rivalry, and there's nothing better than going over there and trying to steal a W.

Favorite memory as a Gopher:

The first game in TCF Bank Stadium against Air Force. Coming in, the Victory Walk before was unbelievable how many people were there. [And] coming onto the field with 50,000 fans was a moment I'll never forget.

Something most people wouldn't know about you:

I have an older brother I played with in high school who's now coaching in Edina and a younger brother who plays at Edina right now and is committed to coming here. I'm really close with those two—my two best friends—and any time I get a chance to work out with them it's pretty special.



D. J. Burris

D. J. BURRIS, OFFENSIVE LINE

Senior business marketing education major from Kenton, Ohio

What would surprise the average fan about what it's like to be a Division I player:

People don't realize the time commitment. People just think, "Oh, they're getting a free education out of it," but when you look at all the time we put in it's actually astronomical.

Most prized on-field accomplishment:

When we won the game against Illinois at Illinois two years ago that made us 6-1. That was a big game for us, especially coming off of a season where we won one game.

Something most people wouldn't know about you:

That's really tough because I'm an open guy. I used to race dirt bikes when I was a little kid. I kind of quit once I got into football, but still I enjoy being outdoors and riding four-wheelers and dirt bikes.

—R.M.



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Northwestern (Homecoming)	October 2	\$5,500	\$325
Penn State	October 23	\$6,000	\$350
Ohio State	October 30	\$6,500	\$375
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The Gopher Victory Walk will cross the Tribal Nations Plaza two hours prior to kickoff. The University of Minnesota Marching Band pregame show will immediately follow.

The new **Gopher Sports Hall of Fame** in TCF Bank Stadium will be dedicated on September 10, followed by an open house. Inductees will be honored at halftime of the September 11 game. Other special halftime events this season include:

September 18: **50-year anniversary celebration of the 1960 National Champions/Rose Bowl team**

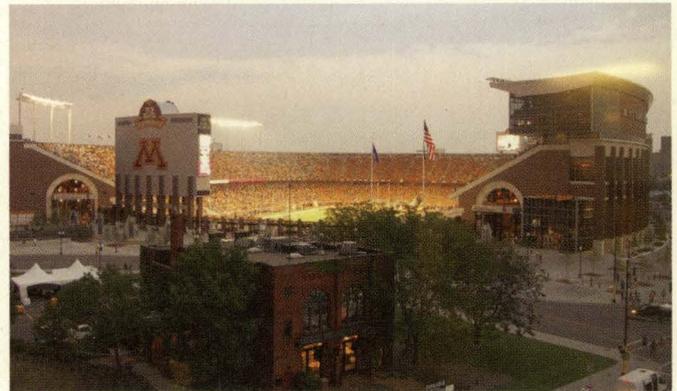
September 25: **Bronko Nagurski Day**

Homecoming October 2: (See page 52 of this issue for Homecoming Week activities.)

October 23: **Military Appreciation Day**



Above: Pregame festivities were popular among families during the 2009 season. Below: A capacity crowd inaugurated TCF Bank Stadium on September 12, 2009.



PHOTOGRAPHS BY CHRIS COUGHLAN-SMITH

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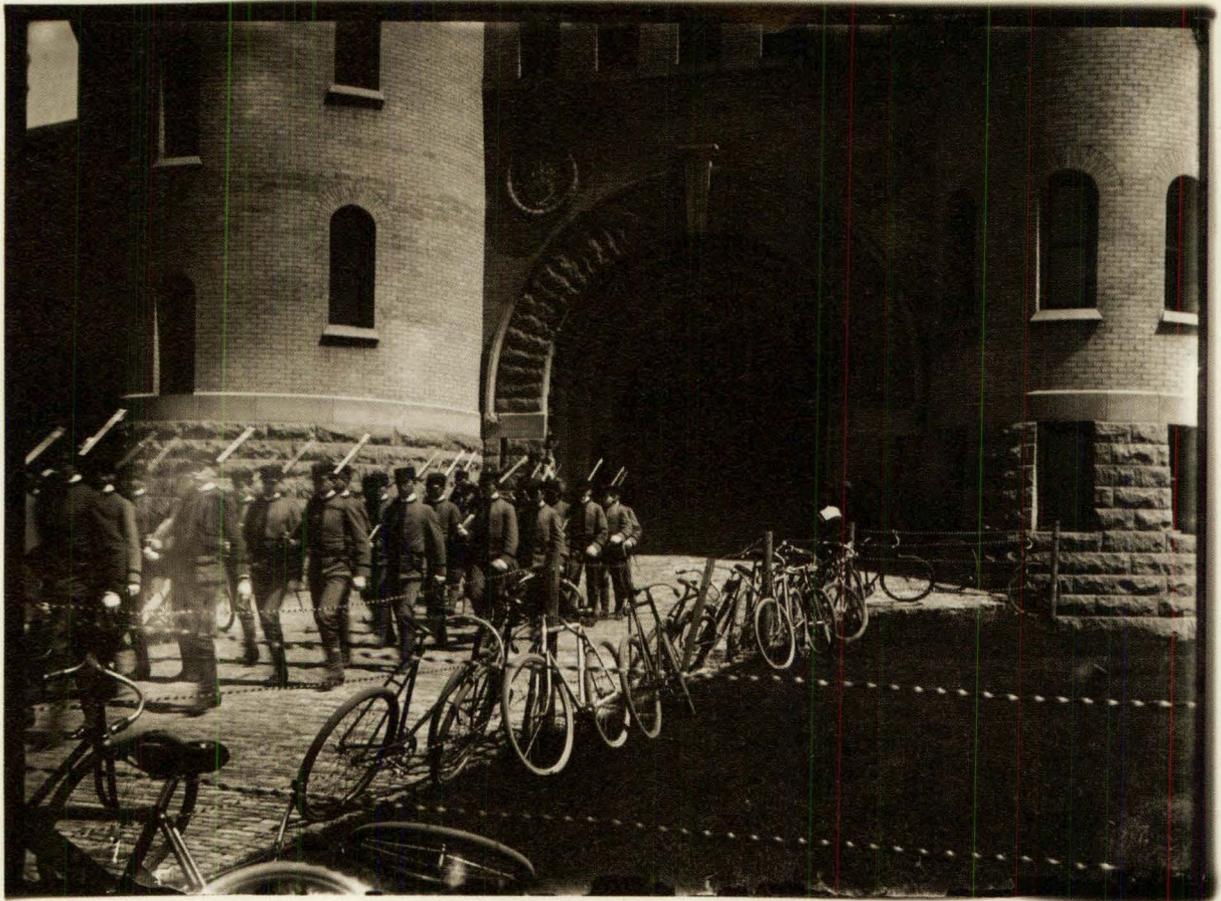
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Stepping Out of Line

For 65 years, University of Minnesota freshman and sophomore men were required to march around campus in hand-me-down uniforms while shouldering dummy rifles. Many students vociferously objected to compulsory military drill but participated under threat of expulsion. After World War I, however, the battle lines over military drill were drawn.

Tn March 1934, a straight-A sophomore student in philosophy at the University of Minnesota, Sheldon Kaplan, was summarily suspended from the College of Science, Literature, and the Arts. His crime: failure to attend military instruction classes. In response, countless students rallied in support of Kaplan and decried the injustice of his suspension. They were led by the editorial board of the *Minnesota Daily* and the reporting of the paper's star correspondent, a young man named Arnold Severeid (B.A. '35),

who would achieve much greater fame in years to come reporting for CBS News using his middle name, Eric.

Severeid had already written a series of reports that spring on the issue of compulsory military drill at the University when Kaplan's dismissal became news. Severeid and the *Daily* quickly escalated the philosophy student's plight into a greater battle over the long tradition of military training at the U. For the next several weeks, the pages of the *Daily* and the school's classrooms buzzed with debate over issues of war, peace, and the role that Minnesota's freshman and sophomore men ought to play in these matters. Then in May, Governor Floyd Olson entered the

University of Minnesota male freshmen and sophomores march near the armory in mandatory military drill circa 1900.

BY TIM BRADY

fray. Making what must be the only speech by the state's chief executive in Minnesota's history to encourage student demonstrations, Olson stood on the steps of Northrop Auditorium on the eve of the annual military drill competition and urged the antidrill advocates to "make your demonstration more picturesque and more interesting than the military review itself."

The root of the controversy stretched back long before Sheldon Kaplan ever set foot on campus. From its very earliest days the University of Minnesota required all of its male freshmen and sophomores to don blue and khaki uniforms and spend three hours a week learning the drills and rudimentary skills of military training. As Severeid sardonically recalled in his 1946 memoir, *Not So Wild a Dream*, "there seemed to be a law hanging over from Civil War days which made it necessary for any boy striving for an education at the people's university to don a hand-me-down uniform and shoulder an unfireable 1905 Springfield rifle three times a week for a full two years. Most of us resented this as an unrecoverable loss of precious hours before we learned to look upon the whole proceeding as a harsh interference with our liberty and a humiliating affront to our personal dignity."

That "law hanging over from Civil War days" was the Morrill Act, landmark legislation passed in 1862 that allowed states to bolster and establish universities with funds granted to them through the sale of federal lands. The stipulation was that, in return, these colleges were required "without excluding other scientific and classical studies and including military tactic, to teach such branches of learning as are related to agriculture and the mechanic arts."

Dozens of universities across the country, including the U of M, would ultimately take advantage of this federal gift. At the same time, however, that rankling little phrase almost hidden within the legislation—that these colleges should include instruction in "military tactic"—was the nub of future problems.

The Morrill Act was passed at a time when the federal government was desperate for trained soldiers to fight in the Civil War. Armies at the beginning of that conflict were drawn almost entirely from companies and regiments recruited from the various states. They were led, in many cases, by citizen-officers with little or no military experience. Under the circumstances, it seemed natural to ask colleges to help train would-be soldiers from their student bodies. Across the nation, students began to form into military units. But only schools that received federal land grants perceived a legal imperative to ask students to don uniforms, practice drill, and take classes in military history, tactics, and strategy.

The University of Minnesota formed a military department, built an armory, and stockpiled hand-me-down uniforms and nonfunctioning rifles. And on any given day for the first 65 years of the school's existence, blocks of students in blue and khaki

marched hither and yon on the University's athletic fields or within the armory.

In its early years, observers viewed the drill as a smart and snappy form of physical exercise as well as a means to train students for possible military work. In fact, University women, who in the 1880s were given no physical education, successfully lobbied the male college drill instructors to help them form their own military drill squad (go to www.MinnesotaAlumni.org/BroomBrigade).

Optional drill squads for upperclassmen marched in highly attended competitions with other institutions, where judges scored them on precision and a variety of parade-ground maneuvers. A group of the top marchers at the U, called the Crack Drill Squad, performed annually at the State Fair. Their work was so appreciated that they were actually able to command a fee of \$3 per man per night in 1905. The Crack Drill Squad was also hired to perform at the RKO theaters across the Midwest in the 1920s and '30s.

The military training had purpose beyond exercise and display, however. During times of military crisis—the Spanish-American War and World War I—college military departments were crucial to the nation's defense. Officers drawn from the ranks of university military training groups filled thousands of positions in the regular army. To help smooth this transfer, Congress passed the National Defense Act in 1916, which created the Reserve Officers' Training Corps (ROTC). ROTC became the federal entity designed to coordinate and govern all college military training across

the nation—a role it continues to play today.

At the University of Minnesota and other land grant institutions, however, there remained the rub of the obligatory nature of military drill, as opposed to ROTC, which was voluntary. From the very first year of the University's existence, in 1869, many questioned the value of drill for all students. That year the newly appointed president, William Watts Folwell, wrote to his friend Charles Eliot, president of Harvard College, asking how he felt about the Morrill Act's "military tactic" stipulation. Eliot was blunt in his response: "Scholars and members of the learned professions do not need this drill in machine obedience, which is the essence of the military method. School drills and militia organizations foster the false notion that a regiment is an organization to be managed on town-meeting principles."

In 1915, a measure was introduced in the state legislature that would have discontinued compulsory military drill. Rather than end the practice altogether, Folwell—who was no longer president but was still active in University affairs—suggested a slightly different reform. He shared with the public a letter that he'd written to the U.S. Secretary of War that same year. The problem, he wrote, was not so much that everyone had to take military instruction, it was that instead of preparing students in the requirements of



University President Lotus Coffman (left) cracked open the door to ending mandatory military drill. Past president William Watts Folwell had proposed reforming military drill to include officer training. They are pictured in 1927.

command, only a limited number wore “the shoulder straps” of officers. The rest of the men—those in the ranks—were simply made to march around in “monotonous drill.” Students needed a “worthy aim,” Folwell wrote. They ought to be trained as “company officers” rather than simply “infantry volunteers.”

But more officers’ training, by itself, did not address the basic problem of compulsory drill for all male students. The advent of World War I, however, deferred such questions, and the campus swarmed not only with U of M students engaged in military drill and ROTC training, but young men from all over the state, who were stationed on or near University grounds before heading to military duty overseas. Almost all the male students on campus were either in the military already or would be soon.

By the mid-1920s, however, compulsory military drill was once again a hot topic. In the wake of the most devastating conflict ever fought, the students of the day were far more politically active than those of an earlier generation. They were more independent, more willing to question authority. Critics of compulsory drill began to look closely at the Morrill Act, particularly the exact intent of that phrase about the instruction in “military tactic.”

At the University of Minnesota, as well as at other land grant institutions, the language had always been interpreted to mean that all male students had to undergo military training—or be granted an exemption, usually for physical reasons, from the obligation by the university administration—in order to receive a degree. But the statute didn’t specify how the instruction should proceed. The University of Minnesota simply interpreted the Morrill Act to mean that all male students needed to take military training; it wasn’t in the bill itself. So in 1925, when the University of Wisconsin became the nation’s first land grant institution to make drill voluntary, there was little that the army or the federal government could do about it—and students at other land grant universities began to ask, if the Badgers don’t have to, why do we?

In February 1927, a bill was introduced in St. Paul that would allow the University of Minnesota to make military instruction voluntary rather than compulsory. At the same time, 36 students at the U decided to test whether the administration had the legal right to make drill compulsory by refusing to take the course.

The bill failed to pass. As a final kicker to those opposed to mandatory drill, the 36 students were expelled from the University (though most would be reinstated the following year). The public sentiment for keeping a military department, which turned out to be much stronger than many students realized, was summed up in an editorial in the *Minneapolis Journal* in March 1927: “There are any number of good reasons for continuing compulsory drill, and there is no good reason at all for discontinuing it. Abolition of drill, could it be made universal all over this Country, would not be a step in the direction of world peace, but just the contrary. If there ever has been a time in history when American helplessness would invite war, that time is present.”

It would take until the spring of 1934 for all the stars of the anti-military drill movement to align. The suspension of Sheldon Kaplan was only the trigger for what was to come. Already established at the U was a deep sense of activism stemming from larger political issues. Severeid was part of a group of students known as the Jacobins who were inclined to leftist causes, including an international peace organization called the Oxford Movement. To apply their

nascent political sentiments toward a cause with which they were personally involved was invigorating. As Severeid wrote in his memoir: “To me there was something revoltingly ignoble about the process of jerking my arms and legs this way and that on the shouted orders of a beetle-browed sergeant toward whom I felt an infinite intellectual superiority.”

In the years since the war, the students had gained allies in their pursuits. A number of faculty, influenced by the same peace movements as their students and with similar questions about the need for mandatory military training, were more than happy to see compulsory drill come to an end. And of course, having the governor as a vocal proponent of ending the practice was a plus. Olson had the power to appoint a Board of Regents whose members could overturn the practice of compulsory drill, and he pledged to do just that.

There were indications that the administration was bowing to pressure just a month

after Kaplan was expelled. In early April, a military review board found Kaplan guilty of failure to attend drill, but University President Lotus Coffman immediately reinstated the philosophy student. Coffman made no comment in his decision, thereby avoiding conflict with the military department board. But along with allowing Kaplan back into the University, he granted the student full credit for his work in the winter quarter. Though not an endorsement of antidrill sentiment, it cracked open the door to change.

In the end, it was Olson’s involvement that pushed the door wide open. As it turned out, the mere promise of a coming change in the Board of Regents brought an end to compulsory drill at the University. After the weeks of editorial fomenting in the *Daily*, the governor’s speech on the steps of Northrop Auditorium, and several public demonstrations, the Board of Regents met quietly in the second week of June 1934 without two members who were known to be proponents of compulsory drill. Minus these two no votes, the board quickly voted to end 65 years of required military training at the U.

It was summer break at the U of M. Few students were around to celebrate the death of compulsory drill, but Severeid and the *Daily* published a single-sheet special edition of the campus newspaper, which was typically not printed during the summer months. “Compulsory Drill Killed By Regents” read the headline, and the Severeid-by-lined article stated that come the opening of school the U would be the second land grant university in the country, after Wisconsin, to have a voluntary military drill program.

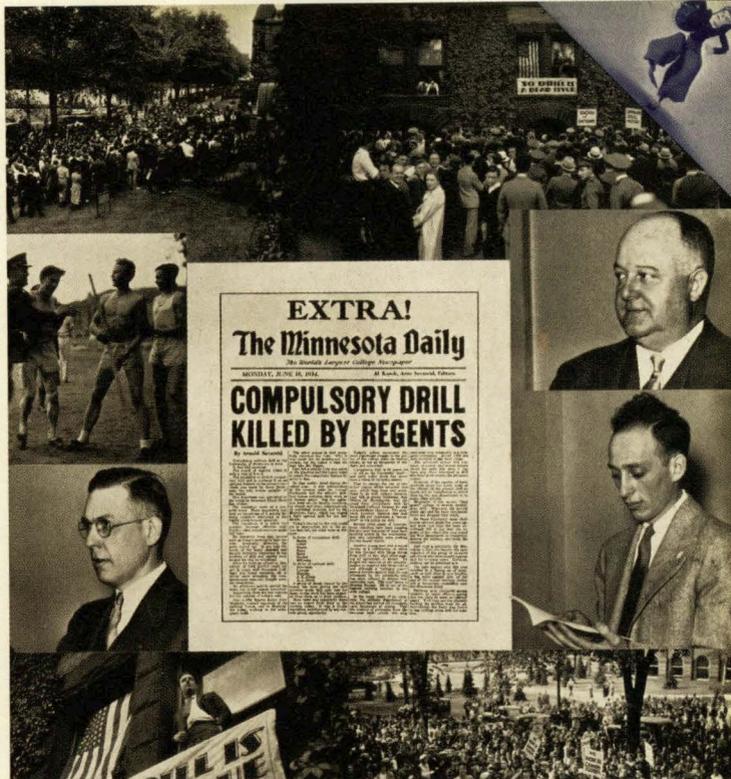
ROTC remained and gained popularity toward the end of the decade as war again approached. In 1948, in the wake of World



Minnesota Governor Floyd Olson spoke out on campus against mandatory military drill. He is photographed here circa 1932.

War II and as the Cold War began in earnest, the idea of making military training compulsory was once again floated at the U of M, by President James Morrill. It couldn't swim, however. As much as World War II might have reinvigorated the necessity of military preparedness within the general public, the idea of college students being forced to do drill on campus had few supporters. Severeid, now working at CBS and a widely known correspondent, once again weighed in on the issue. In a statement to the chairman of Students Against Compulsory Drill, he wrote: "I believe the national draft is necessary, but I do not believe compulsory military training at the University of Minnesota is either necessary or proper. I would object to it on the grounds of principle and on the grounds of practicality."

By the time the Vietnam War era arrived, the idea of compulsory military training seemed anachronistic if not quaint. And the mere existence of ROTC on campus prompted angry protests and demonstrations. The blue and khaki, the days of unfireable Winchesters, and the dread of freshmen and sophomores being marched around the athletic fields



Above: A page from the 1935 Gopher annual captures the fervor surrounding the issue of mandatory military drill. The Board of Regents voted to make drill voluntary in June 1934.



Left: As a University student and Minnesota Daily reporter in the 1930s, Arnold Severeid wrote articles opposing mandatory military drill. He is pictured here in 1940 after joining CBS News and working under his middle name, Eric.

by beetle-browed sergeants had long since passed.

As for Sheldon Kaplan: After his reinstatement to the U, he graduated summa cum laude in 1935 and took his law degree at Columbia University in 1939. He practiced law in New York for a couple of years before opening a law office in Minneapolis. That firm, now called Kaplan, Strangis, and Kaplan, has worked with such clients as North American Life and Casualty Insurance (now Allianz) and the Minnesota Vikings, on whose board Kaplan served for a number of years.

At age 95, Kaplan still goes to the office, and he remembers the military drill controversy well. His absences from the exercises were not a political statement, he says. He simply had occasional bouts of asthma. Indeed, for four years during World War II, Kaplan served as a captain in a U.S. Army escort guard unit, accompanying prisoners of war from Europe and North Africa to camps in the United States. ■

Tim Brady is a writer living in St. Paul and a frequent contributor to Minnesota.

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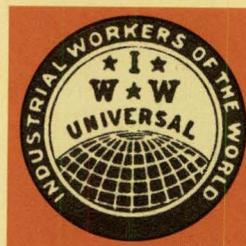


SEVAEID PHOTOGRAPH FROM THE GRANGER COLLECTION/NEW YORK

State of the Unions

By Kevin Featherly * Photograph by Sara Rubinstein

Membership in labor unions has declined, but they are still workers' best hope for achieving workplace justice, says Barb Kucera.



BARB KUCERA'S passion for the labor movement was born of anger. Kucera (B.A. '80), the new director of the University of Minnesota's Labor Education Service (LES), was a young reporter and union steward at the *Duluth News Tribune* in the early 1980s—she had launched the paper's first-ever labor beat—when the workers' struggle got laid dramatically on her own family's doorstep.

Her father, who Kucera describes as a “lower-level management type” for a Wisconsin manufacturing company, lost his job. The reason: heart problems. “He was told by his employer, ‘Your health insurance is too expensive to pay for,’” Kucera recalls. He was offered the chance to work for the company as a private contractor, but he would have had to pay for his own insurance.

Barb Kucera sits in front of *The St. Paul Labor Movement, Flowing Out of Us*, a 48-by-6-foot mural in the St. Paul Labor Center in downtown St. Paul.

It was just the latest indignity he had faced, Kucera says. In a previous job, his employer had squandered his pension fund. So her dad was faced with retiring on nothing but Social Security. Meanwhile, major medical expenses would prevent him from saving money before he could even get there.

“I was very angry about seeing the reality of how people get treated when they don't have any protection on the job,” she says. “I just thought that there has to be a better way, and I thought that unions were the vehicle. That's why I decided to get more involved.”

Kucera left the *Duluth News Tribune* in 1983. After a short stint working for United Press International in Milwaukee,

she landed a job in 1986 more in keeping with her sense of commitment—the editor's slot at the St. Paul AFL-CIO's membership newspaper, the *Union Advocate*. She worked there until 2000, when she joined LES.

A program of the Carlson School of Management, LES provides workers nuts-and-bolts training on conducting contract negotiations, handling grievances, and creating health and safety programs. Earlier this summer, for instance, LES sponsored the 2010 Midwest School for Women Workers, which brought 75 women to campus for a week-long immersion in organizing during the economic downturn.

Kucera is the editor of *Workday Minnesota* (www.workdayminnesota.org), the LES's labor-news website, and also assists on LES video projects and participates in training programs for workers and unions. She recently talked with *Minnesota* about LES and the state of the labor movement.

Q: An M.B.A. school is not where you would expect to find a union-organizing resource. How did LES come into being?

A: LES was part of a wave of programs that started after World War II. During the war, labor and management worked together for the Allies to win. It wasn't perfect. There were strikes and things. But there was a peace negotiated by President Roosevelt and his administration to make sure that the plants kept producing planes and munitions.

Out of that came the recognition that we had a system of collective bargaining. You have labor and management, and both sides need training so that they can do their jobs well and the system runs smoothly. So labor education programs were started all over the country at universities, including Minnesota. This one has been here since 1951.



8 HOUR DAY

1916 St. Paul postal clerks first to organize in Minnesota

1917 Legislators pass workers' compensation law

We're not an [academic] program. We don't offer any degrees or any credit classes. We mostly do training programs off campus, primarily with unions. Our stated mission is to serve all working people in the state—it's a very broad mission. It tends to focus around who is organizing and who needs our services. For example, a union that is going into contract negotiations might have us train their bargaining committee. We've done safety and health programs. We've done some things jointly with employees and management, but most of what we do is [on] the workers' side of the equation.

Q: How did *Workday Minnesota* evolve?

A: There are three labor newspapers in this state, which is kind of unusual. We still have the *Minneapolis Labor Review*, the *St. Paul Union Advocate*, and the *Duluth Labor World*. But they only reach one out of every four union members in the state. So back in the late 1990s, AFL-CIO President Bernie Brommer pulled together a committee I was on and said we needed to reach more people—could we look at doing a statewide union newspaper? We produced a prototype and a budget. People said, "This is nice, but it's too expensive." So Bernie came back to us and asked if there was anything else we could do. Some of



"There are a lot of young people getting involved in unions now. It's very exciting. There are even efforts by a very old union, the Wobblies, who are trying to organize Starbucks coffee shops."

us said there is this thing called the internet and unions aren't really using it very well.

The exciting thing about *Workday Minnesota* is that we can do things very quickly after something occurs. The costs are low. The downside is that it doesn't go directly into somebody's mailbox. You don't always know who is reading your material, and you don't have a way of sort of putting it in front of them every day. They have to come to you.

Q: Organized labor clearly has suffered over the past three decades, and not just its public image. The United Auto Workers (UAW) has gone from 1.5 million members to just 355,000 members in the past 30 years. Are unions becoming a thing of the past?

A: Organized labor has seen better days, and I would say that the American worker has seen better days too. I think they are tied together. I firmly believe that we need to restore the strength of labor unions in this country, and that that is going to raise everybody's standard of living. That is what created the incredible success people experienced after World War II—the ability to send your kids to college, the ability to retire in dignity, to have benefits so you don't have to worry every day about how

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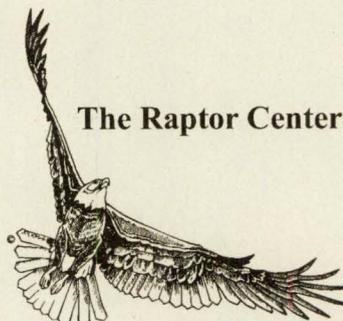
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The biggest drop in union membership has occurred in all of the manufacturing unions: the UAW and United Steelworkers, the rubber workers, paper workers, all of the unions that used to have hundreds and hundreds of thousands of members. They didn't lose members because people didn't want to be in the unions. They lost members because jobs went away and went overseas. And in some cases [jobs] were lost to technology. But a lot of it was outsourcing.

And then at the same time we saw really strong opposition to unions coming forth in the Reagan era, and since then. The PATCO [Professional Air Traffic Controllers Organization] strike in 1981 was the green light to bust unions.

Q: UAW President Bob King recently said that the way to reverse declining membership is to reach out to a broader base. But his pitch is built largely on an emotional appeal reminding people that unions built the middle class. Will that work?

A: I think it's part of the strategy. I think that labor can't just talk about economics in the sense that this is all about self-interest. It's about raising the standard of living—but what are the parts of that? It's about being part of the immigrant rights

★ “Until there is an international floor underneath wages, and underneath people's rights, we're not going to see widespread improvement in global living conditions.”

movement, which the more progressive unions are doing. It's talking about ways we can promote new types of economic development—the green jobs movement. It's working with many organizations around global justice issues. All of those things have to be part of the strategy.

Q: Let's talk about labor's political clout. This past June, in Arkansas, organized labor put \$10 million behind Democratic U.S. Senator Blanche Lincoln's more progressive opponent, Lieutenant Governor Bill Halter, in a run-off primary election. Lincoln won anyway. Is this a signal that the political effectiveness of labor unions is waning?

A: There has been an ongoing debate in the labor movement about how closely unions should work with the Democratic Party. I'll just say that there are people very critical of the fact that unions consistently endorse a Democratic candidate because they think it is the lesser of two evils. I think some people would argue that labor unions should be a more independent political force. I guess I have to stay away from partisan politics, but there are many examples where unions have put a lot of money into political races and gotten nothing out of it.

Q: Talk about some of the nascent labor move-

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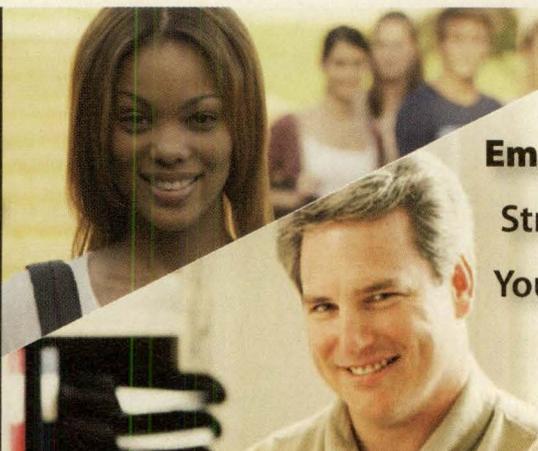
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**ments in countries like Mexico and China.
What is your take on what we are seeing
internationally in the labor movement?**

A: I think there is a lot of exciting organizing happening in other countries, and there are a growing number of alliances between U.S. unions and unions in other countries. I do think that ultimately there has to be more pressure put on these other countries and on transnational corporations to allow greater organizing to happen.

All these trade agreements that we have in effect now—NAFTA [North American Free Trade Agreement], all of the agreements under the World Trade Organization—have only very weak provisions around worker rights, human rights, and the environment. There are so many ways that corporations and their supporters in all these different countries can circumvent people's rights.

Until there is an international floor underneath wages, and underneath people's rights—and the only way I think to achieve that is through trade agreements—we're not going to see widespread improvement in global living conditions. We don't have to wait 100 years for conditions to improve in China or Mexico. People could improve them right now. We have the ability to do it; we just don't have the will.

Q: Where are some bright spots in the labor movement?

A: There are a lot of young people getting involved in unions now. It's very exciting. There are even efforts by a very old union, the Wobblies (formerly the [Industrial] Workers of the World), who are trying to organize Starbucks coffee shops. A lot of young people see that their future in this economy is not very good unless they try to improve the working conditions that are available to them. And if their future job is a service job, they want it to be a decent paying job.

There are a lot more women in leadership roles here in Minnesota. We have Shar Knutson, a female president of the AFL-CIO here in Minnesota, the first one ever. Union members don't look like [former AFL-CIO President] George Meany anymore. That's the image people have. But there are a lot of young people, a lot of women, and a lot of people of color. ■

Kevin Featherly is a writer and consultant who lives in Bloomington, Minnesota.

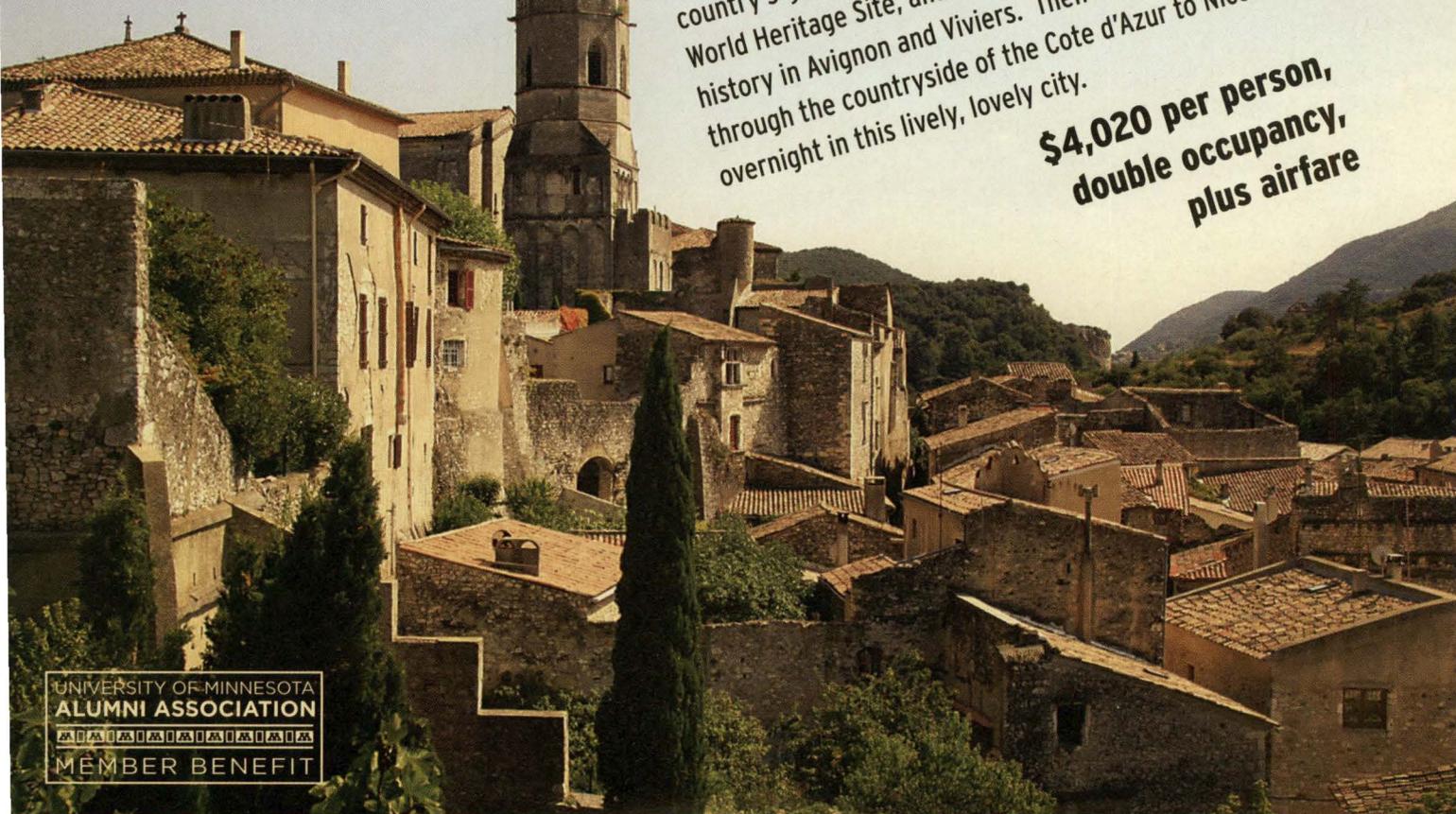


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Reliving the life and times of the late Allan Spear

An antiwar activist, openly gay elected official, advocate for human rights, and a passionate University of Minnesota professor, the late Allan Spear will be remembered for many things. Above all, however, he was impossible to ignore.

Spear may be best known for the passage of Minnesota's Human Rights Act. He worked for two decades in the Minnesota Senate on legislation to add gay, lesbian, bisexual, and transgender people to the list of protected classes under state law. The amendment, which passed in 1993, was the most comprehensive of its kind in the nation and became the model for other states. But important as that one piece of legislation was to Spear and countless others, it highlights only one aspect of Spear's life.

Spear, who died in 2008, tells his story in *Crossing the Barriers: The Autobiography of Allan H. Spear* (University of Minnesota Press, 2010). It is a rich and fascinating one, told by a consummate storyteller and wordsmith. A foreword by U.S. Congressman Barney Frank and afterword by Spear's former Senate colleague John Milton round out the book.

Spear grew up in a middle-class Jewish family in Michigan City, Indiana. He describes his elementary school years as mostly

happy ones, though from an early age he felt different from many of the boys and men he knew. His father tried to show young Allan the workings of a lathe and was dismayed when the boy preferred to help his mother in the kitchen. Spear's love of nature did not include his father's pursuits of hunting and fishing.

As he reached adolescence, Spear felt overwhelmed by a sense of being different, and not just because we wasn't interested in girls. "I was a year younger than most of my classmates, short for my age, overweight, poorly coordinated, and, from the time I was 11 years old, wore glasses," writes Spear, who was often bullied and beaten up by other kids.

Spear's interest in civil rights was sparked after his freshman year at Oberlin College, when he visited a friend in Mississippi. "Seeing the Deep South for the first time in 1955 was a fascinating and troubling experience," Spear recalls. "I had been vaguely aware of Jim Crow but had not seen it firsthand." During Spear's visit, a 14-year-old African American boy named Emmett Till was brutally murdered after he whistled at a white woman.

Spear writes that he became "passionately committed to the cause of African American rights" and civil rights, a commitment

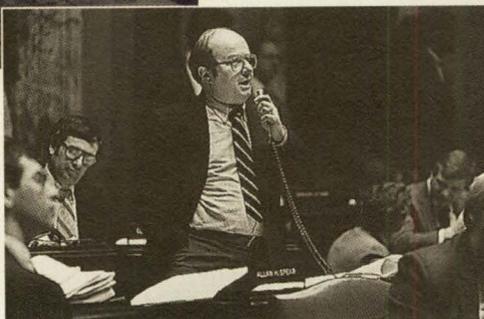


Allan Spear (left) with his mother, Esther, and brother, Richard, on a fishing trip in Canada, 1947



High school graduate Spear, June 1954

Spear (right) with Minneapolis City Council Member Brian Coyle and state Representative Karen Clark in the Minneapolis Gay Pride Parade, circa 1983



Spear addressing his colleagues in the Minnesota Senate

that would form the basis of his professional life. He studied history at Oberlin and during his junior year spent a semester at Fisk University, a historically black college.

Spear earned his Ph.D. at Yale University and in 1964 accepted a teaching position in the history department at the University of Minnesota. He would later become a key figure in establishing the Department of African American & African Studies at the U.

The young professor became deeply involved in the anti-Vietnam War movement and was an organizer of the first teach-in at the University. While he enjoyed teaching and mentoring students, Spear became disenchanted with the politics of academia and earned a reputation as a rabble-rouser in the history department, as well as a divisive figure in the DFL party.

Spear first ran for political office in 1968 when he took on DFL incumbent Jim Adams in the Minnesota House. Spear's devotion (state Representative Martin Sabo called it "fanaticism") to antiwar politics led to his defeat. Spear supported Eugene McCarthy (M.A. '39) for president over Hubert Humphrey (B.A. '39) and voted for a resolution passed by Minneapolis's Second Ward Democratic Club that no Democrat should back anyone who supported Humphrey. It was aimed at then-Congressman Don Fraser (B.A. '44, J.D. '48), who was antiwar but pro-Humphrey.

Spear later regretted that vote. "The resolution was... a gratuitous slap at one of the best liberal congressmen in the country," Spear writes. Four years later and more seasoned, Spear ran a successful race for a state Senate seat representing the old 57th District of Minneapolis, which included the area around the University of Minnesota.

The radical young professor whose

CROSSING THE BARRIERS



The Autobiography of Allan H. Spear

introduction by Barney Frank • afterword by John Milton

Crossing the Barriers:
The Autobiography
of Allan H. Spear
By Allan H. Spear
University of Minnesota Press,
2010

first piece of legislation was an antiwar resolution began to mature as a state senator. He learned how to compromise on legislation without sacrificing his principles, and he began to come out as a gay man, a process that culminated in a December 1974 interview with the *Minneapolis Star*. Spear became one of the first openly gay elected officials in the nation, and the news appeared in papers across the country.

Spear was applauded in the gay community for his courage and supported by some Democratic colleagues (and a few Republicans). But he also received hate mail and was described as a "pervert" in an evangelical newspaper. Spear persevered, however, and became the first non-lawyer to chair the Senate Judiciary Committee. In his last eight years in the Senate, Spear served as president.

When he retired in 2000, Spear had served for 28 years in the Senate and taught for 36 years at the University. He died eight years later from complications following heart surgery. He was 71. Spear left behind Junjiro Tsuji, his partner of 26 years, and an unforgettable legacy.

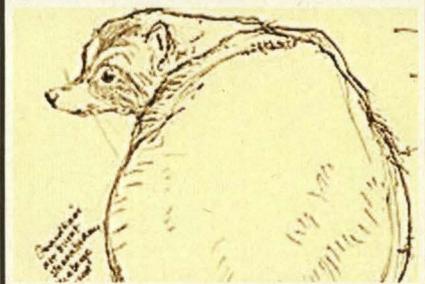
Spear's autobiography is a must-read for anyone interested in Minnesota politics, civil rights, and the gay rights movement. Vivid imagery and remarkable detail bring the story of this iconic man and his times alive. The book also holds a few surprises, especially for those who remember Spear primarily as a politically savvy state senator and gay rights icon.

If the book has a weakness, it's an unavoidable one. Spear died before he could complete it, so the last decades of his life are treated lightly in the afterword. The reader is left wanting to hear more in Spear's own words.

—Michele St. Martin

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Mao to Now: Chinese Fashion from 1949 to the Present will showcase four rising-star designers. These photographs show the work of two of them, Liu Canming and Wang Yiyang.



After Revolution, Fashion Evolution

With its churning garment factories, there's no doubt that China plays an important role in the textile industry. But Juanjuan Wu, a spunky assistant professor in the University of Minnesota's College of Design, sees a very different future for China's role in fashion: as perhaps the next fashion mecca.

An exhibition opening October 2 at the Goldstein Museum of Design, *Mao to Now: Chinese Fashion from 1949 to the Present*, will showcase the latest, hippest designs from contemporary Chinese fashion designers. Based on Wu's book *Chinese Fashion: From Mao to Now*, the exhibition is informed by her scholarly research, her former life as a fashion magazine editor in Shanghai, and her personal history as a woman who grew up (and got dressed) in

post-Mao China. Her book, a 2010 release from Berg Publishers, is the first English work on modern Chinese fashion from a Chinese perspective.

The book and exhibition cover several key historical periods. The pre-Maoist dynastic period, from 1912 to 1948, shows the Chinese look some westerners will recognize: sensual *qipao* dresses with Mandarin collars and dramatic side slits, Tang-style jackets with flared sleeves and frog closures. All that went away during China's Great Proletarian Cultural Revolution from 1966 to 1976, when men and women—who perhaps wanted to blend in smartly rather than stand out from the crowd—folded into asexual gray or army green youth jackets. The focus of the book, and the forthcoming exhibition, is everything that's happened

in Chinese fashion since 1976: the pop culture-inspired clothes and hairstyles, the irreverent "cultural" T-shirts, and in particular, the rise of the boutique fashion designer.

"We're going beyond what you would normally think of," says Wu. "People might know the Mao suit or the *qipong*. But they don't know about all the indigenous fashion designers, the art, the creativity, the authenticity that is very much alive in China today."

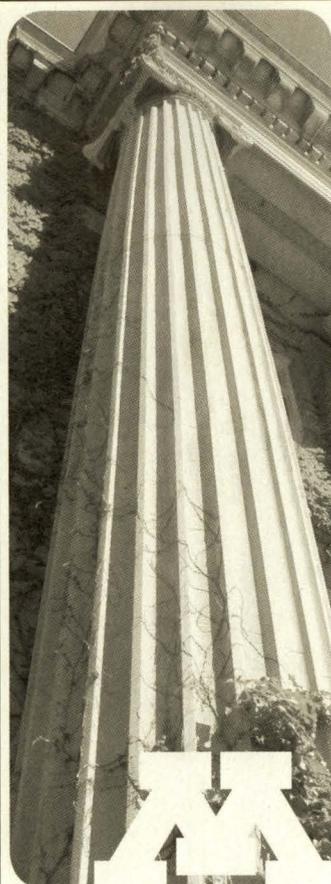
Though Wu explores the work of many designers in the book, the exhibition gives special consideration to four: Liu Canming, who is such a successful fashion designer he's often introduced as the richest professor at Donghua University; Wu Haiyan, who is now adding home furnishings to her popular collection; Wang Yiyang, who showcases his line, Zuczug, in some 40 boutiques across China; and Zhang Da, an experimentalist designer known for two-dimensional cuts that create a somewhat sculptural look on the body.

"These boutique designers cater to China's nouveau riche, who now find it cliché to wear European brands and are looking for something special to prove their taste," says Juanjuan Wu.

All the featured designers except Zhang Da will be in Minnesota to kick off the exhibition during a weekend of lectures and events, including a fund-raiser for the Goldstein at the Ritz Theater in Minneapolis on October 4. The exhibition itself will feature 16 couture garments from the rising-star Chinese designers and eight more historical pieces loaned from the fashion museum at Donghua University and private collections. "Fashion is about changing ideas and changing culture," says Yongwei Zhang, director of the University's China Center, co-sponsor of the exhibition. "And there are few places in the world that are changing as quickly as China."

Mao to Now runs October 2, 2010, through January 17, 2011, at the Goldstein Museum, located in McNeal Hall at 1985 Buford Avenue on the St. Paul campus. For more information, visit <http://goldstein.design.umn.edu> or call 612-624-7434.

—Alyssa Ford



Northrop Auditorium column, East Bank campus

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Her Art Is in the Right Place

When art lover Mary Pappajohn (B.S. '55) married her husband, John, almost 50 years ago, the two were so excited about starting an art collection that they couldn't imagine spending money on anything else. Like, say, a couch or a table and chairs. "We had priorities," Mary Pappajohn says. "We didn't have furniture, but we did have art on the walls."

It wasn't long before the Pappajohns no longer had enough wall space in their home to display their paintings. So they focused on contemporary sculpture, which they put in the backyard of their home in Des Moines, Iowa, the city they've called home for most of their life together. Space constraints dictated that some of the works be placed out front, including bold structures like Mark di Suvero's spiky red *T8*, made of steel I-beams, and Barry Flanagan's *Thinker on a Rock*, a whimsical bronze bunny curled in the famous Rodin *Thinker* pose. The eye-catching works became an instant attraction, and a steady stream of cars filled with curious onlookers rolled past every weekend. "Some of them would even drive up to the garage to see the art in the back," Pappajohn says.

The constant flow of visitors convinced Mary and John that Des Moines residents harbor a keen interest in great art. One day three years ago, when the couple was driving along Locust Avenue in the city's downtown, they saw a new city park taking shape—and they knew they had found a permanent home for their sculptures. "It was ideal, because we knew we could keep all of the art together and visit whenever we wanted," Pappajohn says.

In a gesture of civic-minded generosity and in the spirit of sharing what they love, the Pappajohns donated more than two dozen sculptures worth millions of dollars to create a four-acre public sculpture garden in downtown Des Moines. The Pappajohn Sculpture Park opened last September.

Designed by New York City-based architects Diana Agrest and Mario Gandelsonas, the park's gracefully curving hills and sidewalks create several open-air "rooms" that contain sculptures by internationally acclaimed artists, including Deborah Butterfield, Louise Bourgeois, and Willem de Kooning. Pappajohn says the site has become a hub of activity. "There are trained docents who take people on tours, there are weddings, and there are people who go there on their lunch breaks to sit on the benches and enjoy the space. People will stop us to tell us how much they love just sitting there," she says.

Pappajohn, who grew up in Minneapolis, has always had a



John and Mary Pappajohn in the Pappajohn Sculpture Garden with *Spider* by Louise Bourgeois

love affair with art. Her degree is in related arts, a field akin to interior design. Following graduation, she set out on her dream job: building the Pappajohns' art collection, which *ARTnews* magazine ranks as one of the top 200 collections in the world. She finds great joy in building interest in contemporary art through the park. "It's the only sculpture park I've ever seen that's completely open—there are no fences at all. And we hope it will always stay that way, so people will always feel welcome to visit."

In the meantime, Pappajohn's got a knotty problem to solve. "We had a set of 16 chairs designed by Scott Burton that used to be in our backyard, which we gave to the park," she says. "I think I miss them the most, because they were so functional whenever people visited." Of course, the decision was perfectly reasonable—art, not furniture, has always been her top priority.

—Erin Peterson

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Alumni Association Angle



A Taste of 'Sota Nothing says fall like the start of the academic year. In 1956, the year this photo was taken, the University of Minnesota experienced an enrollment boom. These freshmen “Hound Dogs,” pictured sipping sodas during Welcome Week, were part of a record-breaking class of 5,987 students. The Class of 2014 that recently took part in Welcome Week activities numbers 5,300.

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Recognizing Exceptional Students

A junior from the Carlson School of Management who built a battered women's shelter in Peru and a chemical engineering graduate who initiated numerous service projects on campus were named recipients of the Donald R. Zander Award for Outstanding Student Leadership, presented on May 3. The Alumni Association presents the award annually to one male and one female undergraduate student. It carries a \$1,000 scholarship. Recipients are selected based on their exceptional academic achievement, personal character, and outstanding leadership and service. The award is named after Donald R. Zander, who served as associate vice president in the Office of Student Affairs.

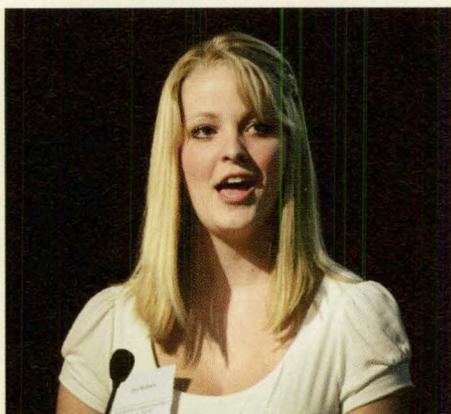
Joy McBrien

Three years ago Joy McBrien came across a statistic that she couldn't get out of her head: 70 percent of the women in Peru are victims of domestic violence. Then a first-year student majoring in nonprofit management and marketing at the Carlson School of Management and a seasoned volunteer for local homeless and women's shelters, McBrien initiated an effort to help the women of Peru. With the assistance of the Chimbote, Peru-based nonprofit organization Los Amigos del Padre, McBrien

organized the construction of Casa de Refugio, a battered women's shelter in Chimbote, managing all of the fund-raising, logistics, and implementation. Two summers ago she fulfilled her international experience requirement by overseeing construction on site, and this summer she again traveled to Chimbote.

"Joy is one of the most responsible and hard-working students I have served in my 14-year career in student advising and support services," says Anny Lin, McBrien's academic adviser.

McBrien thrives as a volunteer who helps others find ways to become involved. In addition to her work in Peru, she has volunteered with several student groups and with Twin Cities nonprofits that fight homelessness and hunger. She also founded Jewelry by Joy, a jewelry-making business whose proceeds go to Casa de Refugio. "I want to become the type of leader that inspires people to make changes within their own lives. True leadership involves strengthening others to develop their own self-determination and competence so they can allow their passions to thrive as well," McBrien says. A senior this fall, she maintains a 3.6 GPA.

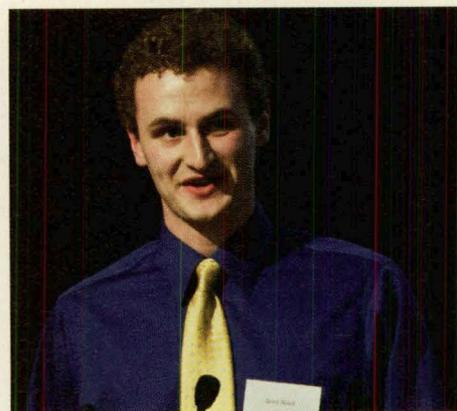


Joy McBrien

Jason Houle

Mark Sorenson-Wagner, director of Student Programs in the College of Science and Engineering, says that if Jason Houle (B.S. '10) were a part on a car, he'd be a bolt. The analogy is a testament to Houle's leadership style: Like a bolt, Sorenson-Wagner says, Houle isn't flashy. But he creates a solid structure that allows others to do what needs to be done. "Jason provides an environment where other students can do the flashy work. Most importantly, he does it without ego," says Sorenson-Wagner. "He takes responsibility for the growth of individuals and the team around him."

Houle graduated last spring with a 3.8 GPA in a chemical engineering and chemistry double major. During his undergraduate career he was involved in the International Association for the Exchange of Students for Technical Experience (IAESTE), a student organization that works with other leading technical universities to create internship and research opportunities. He completed a research internship in Vienna, Austria, and represented the United States at the IAESTE general conference in Warsaw, Poland.



Jason Houle

Houle also led the formation of the Catholic College Student Group, a now-thriving community that meets weekly for programming and faith sharing. He helped organize and lead a group of 30 students to New Orleans during spring break 2009 to help a small parish continue to rebuild after flooding. The trip, he says, was life-changing. "The emotional impact of being stripped of my stereotypes [of Southerners] and confronted with a culture of generosity and real joy drove me to reevaluate other judgmental but unfounded opinions I held, while inspiring me to be more truly generous and joyful in my own life, regardless of the obstacles I face," Houle says.

Houle continues his education at the U in the graduate program in industrial and systems engineering.

The Alumni Association also presented the Student Leadership Awards to eight undergraduates for their academic achievement, personal character, leadership, and contributions to the U community. Each award carries a \$500 scholarship. Recipients were Brittany Geissler, David Holt, Meredith Lukasek, Neli Mottey, Thuy Duong Nguyen-Tran, Jaehun Eric Park, Moira Pirsch, and Allison Witham. The awards were presented during the annual President's Student Leadership and Service Awards ceremony.

—Cynthia Scott

National Board Chair

Are You Ready for the Challenges Ahead?

I came to Minnesota from Turkey almost 35 years ago with \$1,000 in my pocket and a dream to attend the University of Minnesota. Creating a life for myself and my family at a level I couldn't have imagined became possible with the education I received from the U. I've seen and experienced the impact the U has on individuals, and on the state as a whole. This year, I'm pleased to be able to give back by being part of the Alumni Association leadership and helping engage alumni as ambassadors for the U.

I came to the University of Minnesota as a graduate student in the Institute of Technology—now the College of Science and Engineering—in 1976 after receiving my B.S. degree in mechanical engineering from Bosphorus University in Istanbul, Turkey. One of my favorite professors there, who was also my adviser, was a graduate of the U who appreciated the quality of the education he received and highly recommended that I attend the U.

I've been involved at the U in several ways besides being a student. After receiving my M.S. degree in industrial engineering, I went to work for what was then the Dayton Hudson Corporation while also serving as an adjunct faculty member at the U. I taught undergraduate engineering courses and Extension classes for a few years until deciding to devote myself to my professional career. I remained connected to the U by recruiting grads for the Dayton Hudson/Target Corporation and joining the Alumni Association board in 2004.

During those years my wife, Karen, daughter, Zeynep, and I had Gopher football season tickets and also attended many women's basketball games. At my urging, my company sponsored women's basketball coach Pam Borton for her wardrobe needs for a few years through the Marshall Field's fashion office. For two consecutive years, I had my company sponsor the Alumni Association's annual celebration and advertise regularly in *Minnesota* magazine.

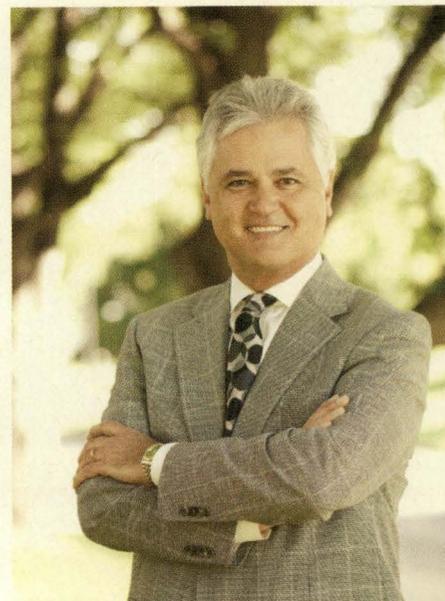
The coming year will be the beginning of what I believe will be a most critical five-year period for the future of our children and grandchildren. We face tremendous global and local economic challenges, the leaders of the state and our University are about to change, and education delivery is evolving. The expectations of students and their families are changing as well.

Now more than ever the U needs its alumni ambassadors—our 400,000 alumni and 60,000 Alumni Association members—to advocate on behalf of their alma mater. From our previous advocacy initiatives I know that, as ambassadors, we have a strong voice. We need to use it effectively and loudly, as we have in the past on issues such as the U's budget and the Central Corridor light rail line.

I am excited to lead the Alumni Association, with your help and with the guidance of a well-thought-out and grounded five-year strategic plan. This plan, which is currently being developed, will be a road map and will clearly lay out the objectives we need to achieve. We will need your involvement and engagement to help position our U to be stronger than ever as we look forward to the next five years.

I am ready for the challenges ahead. Are you?

—Ertugrul Tuzcu (M.S. '78)



Ertugrul Tuzcu

Border Battle Cease-Fire



The University of Minnesota Alumni Association and the University of Iowa Alumni Association teamed up on June 2 to co-sponsor Mascot Matchmaker, a speed dating event for alumni age 34 and under. More than 100 young alumni took part at Stella's Fish Café in Minneapolis. Rotating in two-minute intervals, 43 men and 60 women were paired for quick meet-and-greet conversations. Following the event, attendees with matching "yes" responses on confidential match forms were sent each other's e-mail addresses. In this photo, Joe Rootes (B.S. '00, M.B.A. '09) and Laurie Carlson enjoy their 120-second encounter.

Homecoming: Paint the Town Gold

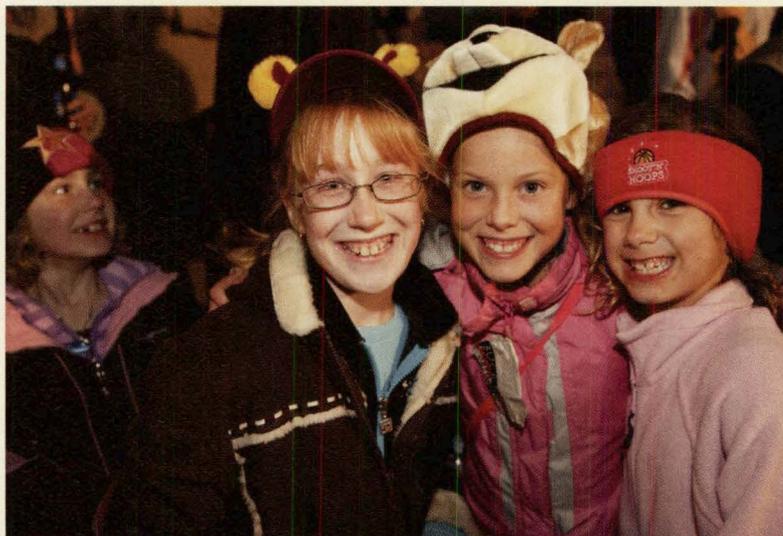
Wear gold, think gold, and come back to campus during Homecoming Week, September 26 through October 2. This year's theme is "Paint the Town Gold," and a full lineup of activities is scheduled leading up to the October 2 Homecoming football game against Northwestern.

University of Minnesota President Bob Bruininks, who will retire from the presidency in June 2011, will be honored as grand marshal for the Homecoming parade on Friday evening, October 1.

Some of the week's highlights include:

Alumni Awards Celebration, September 29, 5:30 p.m., McNamara Alumni Center. The annual celebration honors alumni whose service has had an exceptional impact on the University or the Alumni Association.

Great Conversations, September 30, 7:30 p.m., Ted Mann Concert Hall. Listen, discuss, and be challenged by thoughtful conversation between University of Minnesota faculty and a distinguished guest. Topic TBA. Alumni Association members receive a \$5 discount on tickets.



College Day, October 1. College Day will feature collegiate events such as open houses and reunions for alumni and the greater community.

Homecoming parade, October 1. Help create a gold rush on University Avenue! Parade steps off at 7 p.m.

Homecoming game, October 2. Cheer the Gophers to a victory over the Northwestern Wildcats. Bring a nonperishable food item to benefit the Emergency Food Shelf Network.

Future University of Minnesota alumni enjoy the 2009 Homecoming parade.



To learn more about these and other Homecoming events, visit www.MinnesotaAlumni.org/homecoming.

2010 - 2011 Subscriber Series



Backstage at U Theatre

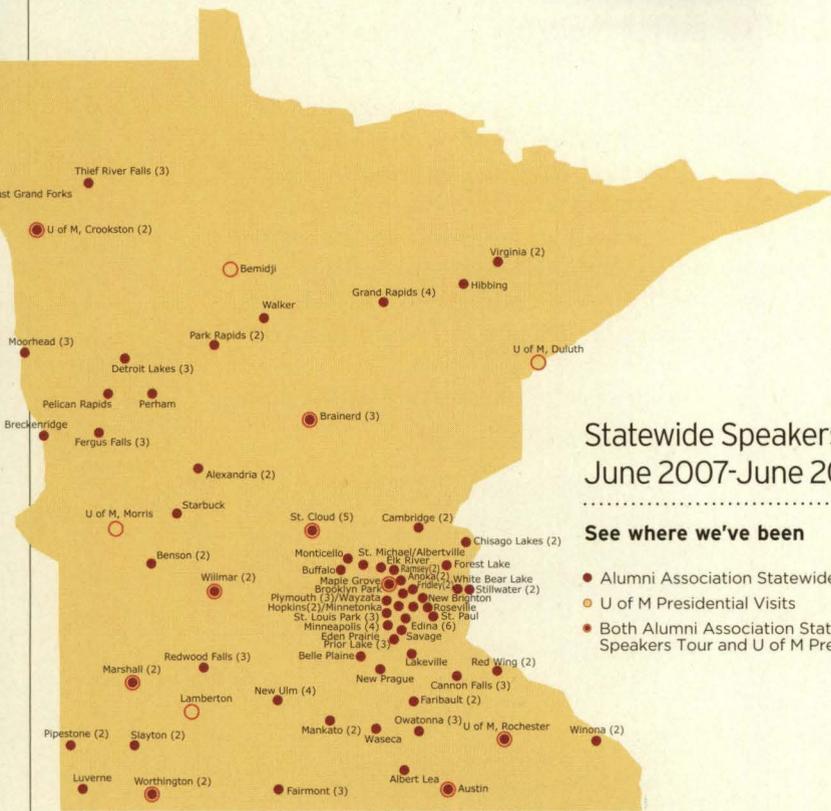
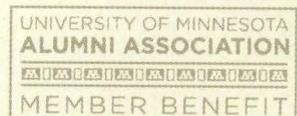
Alumni Association members are invited to a talk-back discussion on **Thursday, October 28**, following the evening performance of *Undiscovered Country*.

Adapted by Tom Stoppard, *Undiscovered Country*, is a provocative and, at times, comedic glance into the tangled web of Viennese socialites. Look for more information about this special event in upcoming messages from the Alumni Association.

Alumni Association members receive reduced ticket rates – equivalent to the U of M staff/faculty price – on U Theatre productions in the 2010-11 Subscriber Series.

Full season subscriptions are also available – \$44 for all four shows!

For a complete list of productions, visit www.theatre.umn.edu or call 612.624.2345 to order your single tickets or subscription today.



Statewide Speakers Tour June 2007-June 2010

See where we've been

- Alumni Association Statewide Speakers Tour ()
- U of M Presidential Visits
- Both Alumni Association Statewide Speakers Tour and U of M Presidential Visits

Tour Highlights Research and Outreach Centers

Every year, the University of Minnesota Alumni Association's Statewide Speakers Tour takes faculty members across Minnesota to engage people in discussions about current University issues and the U's impact on the state. The 2010-11 tour program "Building and Sustaining a Strong Economy: The University of Minnesota's Unique Role" highlights the College of Food, Agricultural, and Natural Resource Sciences' (CFANS) nine Research and Outreach Centers and their impact on teaching, discovery, and the state's economy.

Research and Outreach Centers (ROCs) are located in Crookston, Morris, Lamberton, Waseca, Rosemount, Cloquet, Chanhassen, Becker, and Grand Rapids. Greg Cuomo, CFANS associate dean for extension and outreach, says they represent the U's mission to respond to the needs of all Minnesotans. "Each center has its own character and strengths responding to local needs, and we are excited to bring the ROCs story to communities across the state this year," he says.

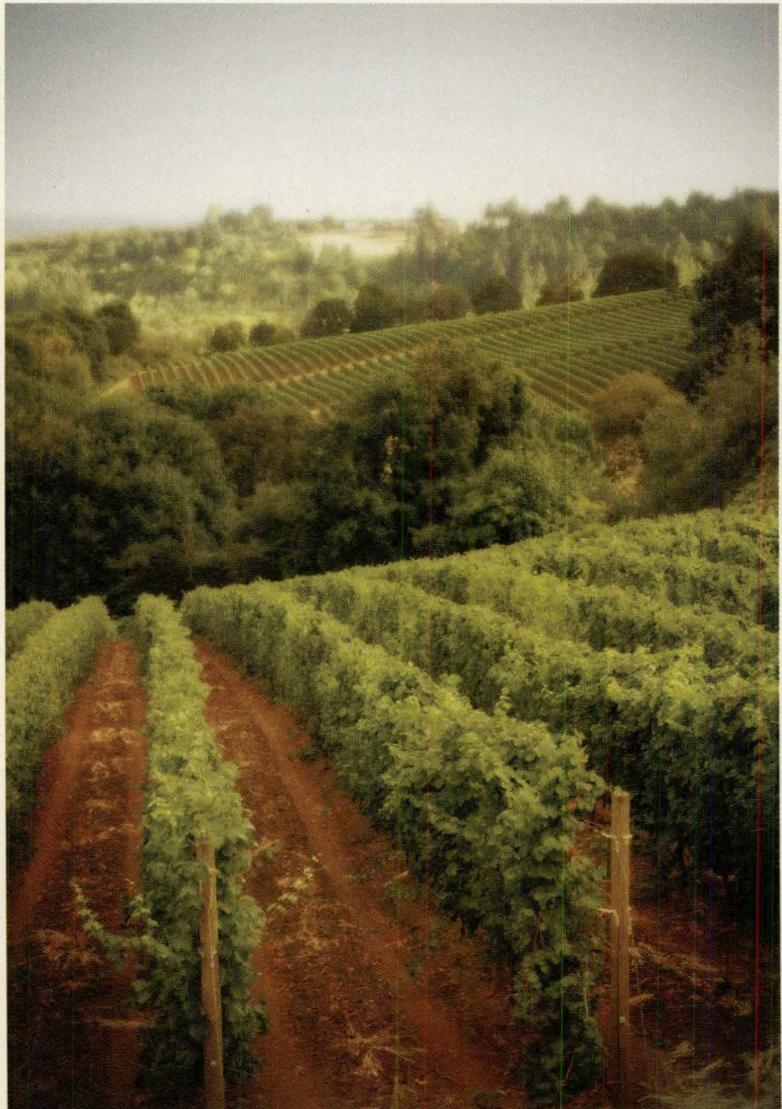
The tour includes presentations from faculty members about topics such as feeding a growing world population, water, climate, the natural environment, reliable and accessible food growing and distribution systems, and biofuels and bioproducts.

Communities interested in hosting a stop on the Statewide Speakers Tour can contact Mary Kay Delvo, director of advocacy/public policy at the Alumni Association, at delvo003@umn.edu or 612-626-1417. For more information on scheduled tour stops, visit www.MinnesotaAlumni.org/Statewide_Tour.

Book Early and Save

Book by October 26 and save up to \$1,000 per couple on the Alumni Association trip Passage of Lewis & Clark, which departs June 3, 2011. The eight-day land and river excursion features the best of the Pacific Northwest, including the Willamette Valley, the Columbia River Gorge, Multnomah Falls, Hells Canyon, and the Lewis and Clark National Historic Park. Enjoy cruising aboard the *Spirit of '98*, a modern small ship that offers close-up viewing of river landscapes. An on-board guide and local experts will provide insights into landmarks, natural history, and Native American culture.

To take advantage of this offer, call 1-800-323-7373 or visit <http://minn.ahitravel.com/promolisting.aspx>.



Vineyards in Willamette Valley, Oregon, are part of the Alumni Association's tour, Passage of Lewis and Clark.



HOMECOMING WEEK!

HOMECOMING PARADE
FRI. OCT. 1 • 7:00 PM
PLEASANT STREET & UNIVERSITY AVENUE

CROSS COUNTRY
SAT. SEPT. 25 • 12:20 PM
ROY GRIAK INVITATIONAL

FOOTBALL
SAT. OCT. 2 • 11:00 AM
GOPHERS vs. NORTHWESTERN

MEN'S HOCKEY
SUN. OCT. 3 • TBA
GOPHERS vs. BRITISH COLUMBIA

SOCCER
SUN. SEPT. 26 • 1:00 PM vs. ILLINOIS
THURS. SEPT. 30 • 7:00 PM vs. WISCONSIN

VOLLEYBALL
FRI. OCT. 1 • 6:00 PM vs. PURDUE
SUN. OCT. 3 • 1:00 PM vs. INDIANA

WOMEN'S HOCKEY
SUN. SEPT. 26 • 2:00 PM
GOPHERS vs. MANITOBA

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Take Time for Renewal

Alumni Association members receive a 10 percent discount on two workshops this fall sponsored by the University of Minnesota Center for Spirituality & Healing (CSH).

Explore resources for creating a healthy lifestyle in Taking Charge of Your Health October 28 and 29 at the Minnesota Landscape Arboretum. Call Cass McLaughlin, CSH outreach coordinator, at 612-626-5319 with questions or to sign up.

Join CSH senior fellow Richard Leider and special guest Ruth Bachman the morning of November 4 for Healing on Purpose: Growing Through the Narrow Spots. Participants will share stories, reflect on their healing journeys, and identify how they have traveled through the narrow spots along life's pathways. With discussion facilitated by Leider and Bachman, participants will explore three questions: What has been lost? What has been found? What were the inspirations for

moving forward? After the session, Leider will sign his book *The Power of Purpose: Find Meaning, Live Longer, Better*.

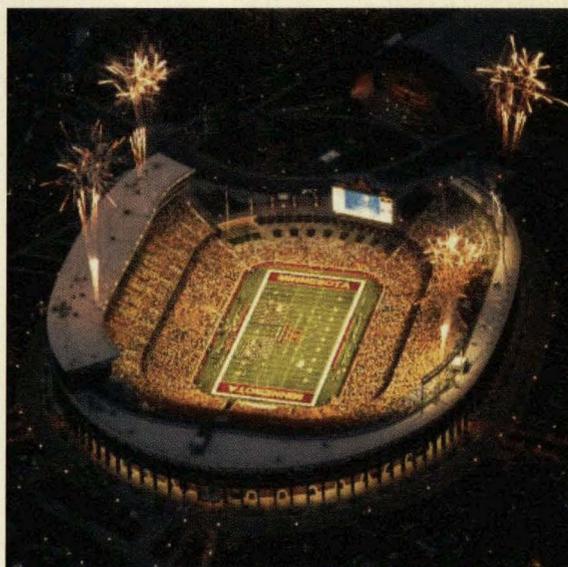
The Center for Spirituality and Healing is a world-renowned resource for advancing integrative health and healing. Alumni Association members also receive a 10 percent discount year-round on its popular Mindfulness-Based Stress Reduction (MBSR) program. For more information about MBSR and all CSH programs, visit www.MinnesotaAlumni.org/benefits.

Plan for a Smooth Transition

No one can think his or her way through a career transition, says Janet Peltó (M.A. '89), a career and lifework planning specialist with the College of Continuing Education (CCE). What's needed is a process that includes talking with others, exploring options, planning, and taking action. Members of the Alumni Association are eligible for a 20 percent discount on the CCE's career and lifework services, which include individual consultations, assessments, and workshops.

Peltó has spent 22 years helping people sort through the next steps of their careers. "It's about knowing how to hear what the person is saying about their goals, their interests. And it's about asking questions that help them get that information out of their heads," she says. "I'm not telling them what to do—I'm there to witness people's truth. A lot of the time, people have an idea of what they want to do—it's just buried deep down inside. My goal is to get those ideas out into the open. Help them to verbalize, then act."

For information on Career and Lifework Planning services, call 612-624-4000 or visit www.MinnesotaAlumni.org/benefits. The Career and Lifework Planning website includes an interactive career exploration tool to help you get started.



TCF Bank Stadium



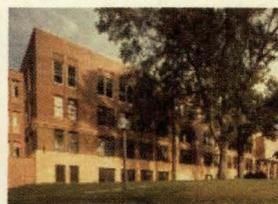
Walter Digital Technology Library Renovation



McNamara Alumni Center



Boathouse Rowing Facility



Snyder Hall Addition



Hubert H. Humphrey Institute of Public Affairs

A better building. A better building experience.

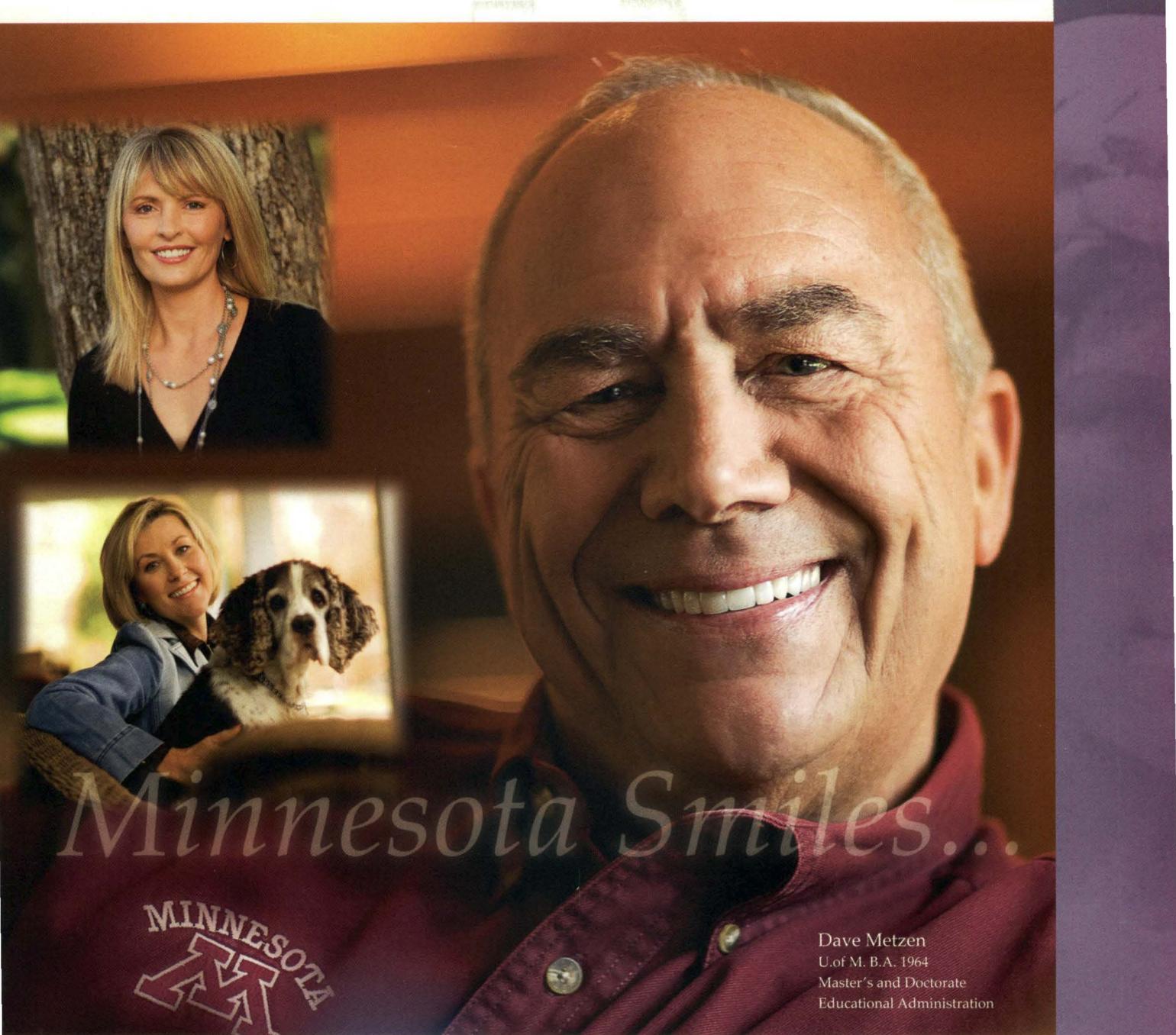
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Campus Seen



The new Science Teaching and Student Services building graces the east end of the Washington Avenue Bridge. Designed by William Pedersen (B.A. '61), the state-of-the-art building is LEED-certified (Leadership in Energy and Environment) by the U.S. Green Building Council. It opened in August.



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**UNIVERSITY OF MINNESOTA
ALUMNI ASSOCIATION**



Meet the Class of 2026

The Davis family of companies (Davisco, Cambria and Northern Plains/New Sweden Dairies) is a proud supporter of education and our community.

Support of the TCF Bank Stadium

Cambria's natural quartz countertops and flooring are featured throughout the University of Minnesota Stadium. This philanthropic support has placed natural quartz surfaces throughout the new, state-owned TCF Bank Stadium.

Northern Plains/New Sweden Dairies Partnership

U of M veterinary students get hands-on experience at two commercial, educational and demonstration Davis-owned dairies near St. Peter, MN. Through an intimate public/private partnership with the University of Minnesota Veterinary School, the University now has a dormitory, research laboratories and classrooms on site within the Davis' recently built, state-of-the-art, 3000 milking cow dairy farm.

Scholarships via Sobriety High and The U of M Colleges of Design and Food, Agricultural and Natural Resource Sciences

Cambria/Davisco awards full scholarships to Sobriety High graduates and College of Food, Agricultural and Natural Resource Sciences students each year, as well as scholarships to students of the U of M College of Design.



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