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THE MAGAZINE OF THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION

MINNESOTA

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It's been quite a journey. Before becoming an award-winning playwright, Dr. Endesha Ida Mae "Cat" Holland



had to overcome poverty, rape, racism, imprisonment and her mother's murder. Her life is a testament to believing in your dreams.

On her 11th birthday, Holland was raped by a man while babysitting his granddaughter. Her childhood traumatically stolen, she became a prostitute at age 12 and a convicted thief at 16.

Then the civil rights movement came to town and Holland found a higher calling. She became a fearless leader, arrested 13 times while protesting for voting rights. She toured the country raising support. While visiting the University of Minnesota, she vowed to come back to study one day. It's a promise she would keep, but only after her mother was killed when their house was firebombed. Devastated, she left home in 1965 and enrolled in the U's General College.



Dr. Endesha Ida Mae "Cat" Holland, Class of '79, noted playwright and scholar.

Holland eventually earned three liberal arts degrees from the U, receiving her Ph.D. in '86. She was inspired by professors Geneva Southall, Elaine Tyler May, Charles Nolte, and the late Anita Bracey-Brooks, saying "They believed in me and said I could be somebody." In Nolte's

playwriting course, Holland's work moved students to tears. She later wrote *From The Mississippi Delta*, earning a Pulitzer nomination in 1988. She's now a full professor at USC's School of Theater.

Dr. Holland's inspiring story is one of countless achievements in U history, from the first successful open-heart surgery to 16 Nobel Laureates. To uphold this tradition, join Endesha and the thousands of

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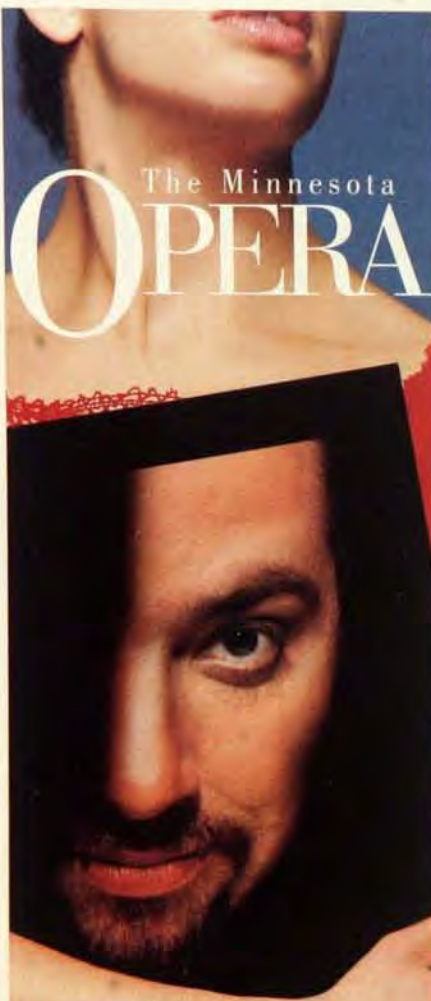
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Minnesota (ISSN 0164-9450) is published bimonthly by the University of Minnesota Alumni Association at McNamara Alumni Center, University of Minnesota Gateway, 200 Oak Street SE, Suite 200, Minneapolis, MN 55455-2040.

The UMAA sends six issues of *Minnesota* to dues-paying members. Periodicals postage paid at Minneapolis, Minnesota, and additional mailing offices. POSTMASTER: Send address corrections to *Minnesota*, McNamara Alumni Center, 200 Oak Street SE, Suite 200, Minneapolis, MN 55455-2040.

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MINNESOTA

THE MAGAZINE OF THE UNIVERSITY
OF MINNESOTA ALUMNI ASSOCIATION

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call 612-313-1780;
fax 612-339-5806;
email shenry@mspmag.com

Minnesota is published bimonthly
by the University of Minnesota
Alumni Association for its members.

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University of Minnesota
Alumni Association

McNamara Alumni Center
University of Minnesota Gateway
200 Oak Street SE, Suite 200
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Editor's Note

A Magazine on a Mission

In his first editor's note, in March–April 1996, then editor Tom Garrison wrote about the uncertainty of magazine publishing in an increasingly competitive industry, but also about the certain endurance of the alumni association magazine. "The reasons for *Minnesota's* longevity have something to do with the fact that it is more than a magazine; it is a mission," he wrote. "It is *people* more than publication. It is a *connection* that ensures continuity."

I took the time to find out what Tom said in that column because this issue of *Minnesota*—celebrating the 100th year of the alumni magazine—is, appropriately, about longevity and continuity, but it is about change as well. This milestone edition also marks a change at the top of the magazine's masthead as Tom leaves the alumni association to take a new position, as the communications director and head of the convention and visitors bureau for the city of Eagan, where he lives.

Tom has accomplished much in his six years at the alumni association—building a communications staff, producing spectacular videos that capture campus life and University and alumni association happenings, and launching the alumni association's new Web site—and has always striven for connection with alumni and continuity in mission. Tom handed the editorship of *Minnesota* to me in 1998 but had an ongoing and evenhanded influence on the magazine's direction. His trust and support will be missed.



Shelly Fling

In the magazine's centenary year, the only thing I would add to Tom's words is that *Minnesota* matters. It has mattered since its first issue, September 14, 1901, when editor E.B. Johnson ('88) wrote that the purpose of the *Alumni Weekly* (as it was first called) "will be to make the alumni acquainted with what is going on at the University at all times, and to foster a genuine University spirit among the alumni, by keeping them in touch with the University and each other." The *Weekly*, he went on to state, "has no other aim than to be a thoroughly wide awake newspaper."

The issue you are about to read both celebrates that legacy and is yet another example of it. "From AIDS to Zzyzo: A Century of Stories" (page 24) is a long look back. Our communications staff spent weeks turning the pages of every issue of the alumni magazine to find 100 noteworthy stories. We could easily have culled thousands. Some of what we found made us puff up with pride. Others made us laugh out loud. Together their summaries illustrate the breadth with which the University and its alumni and faculty brought life to *Minnesota* and positive change in the world. To be fair, we also gleaned stories that made us grimace, items in which the alumni magazine seemed more sluggish than wide awake in its reportage, such as in respect to women on campus. However, we take pleasure in noting how far we've come.

Another feature, "Fast Forward: U Research Shapes the Future" (page 34), looks in the other direction, ahead to the stories *Minnesota* might cover in 10 or 20 years. We asked University faculty members in various disciplines to offer insight on where their research might lead and what breakthroughs, cures, technological advances, or challenges are on the horizon. Their words give us hope and remind us that the work being done at the University needs to be cultivated and made known to the world.

Without this magazine on its mission, pieces of our collective history might never be recorded and most likely would be forgotten. Perusing old issues to learn what past presidents said about corruption in college football or what the campus scuttlebutt was surrounding the dismissal of a professor for his political views is useful and sometimes amusing. But the dusty, bound volumes of the alumni magazine are filled with lessons—of mistakes, triumphs, risks, and regrets. For me, seeing them as lessons, and learning from them, is what matters most. ■

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

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Barbara Kiedrowski, '72, Economics V.P., Technical Consulting, Wells Fargo

Barb Kiedrowski, mother of two, joined the UMAA in 2000 to support President Yudof's efforts and because it gave her a sense of belonging. But she's been making gifts to CLA for 22 years, and for the most resourceful of reasons. "I've come to appreciate how important the U is to Minnesota's economy and our ranking as a knowledge state." She also gives because Wells Fargo matches employee contributions, ensuring that her gifts work twice as hard.

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Miracle Seeds?

We thank you for sharing the exciting research on adult stem cells conducted by Dr. Catherine Verfaillie and her colleagues ("The Magic Seeds," January–February). However, we are bothered by the analogy your writer made when comparing these stem cells to the seeds of a plant.

In the article, the writer states that these stem cells are like a vegetable seed that, given the proper conditions, can be made into any plant from an azalea to a pine tree. Azaleas and pine trees, although both plants, are as distantly related as humans and crocodiles. The variety of cell types that are produced from Verfaillie's stem cells (for example, liver cells and brain cells), although they look and function quite differently, are genetically identical.

Growing a pine tree from a vegetable seed would be a truly miraculous accomplishment. Thus, this is perhaps where the analogy made is accurate. The potential these adult stem cells hold for curing a vast range of diseases makes their discovery miraculous.

SHEILA LUTZ PRIGGE (B.S. '90, M.S. '00) AND MICHAEL PRIGGE (B.S. '94)
Ann Arbor, Michigan



An Alternate Sprawl Theory

I must take exception to the "On Race and Space" article in the March–April issue. Enough already! [The article] states, "In city after city, there is a clear correlation between race, wealth, and access to opportunity." [John Powell] may be partially right—but not for the reasons he cites. I see primarily a desire to improve one's position in life and provide a better, safer environment for a family—read: initiative—as the primary reasons people move away from the inner city. With the exodus from rural America back to the cities during the last century, there was little choice but to expand the cities outward.

[The article] also states, "Sprawl . . . has been a conspiracy to deny people of color equal access to the good things of America." That's funny, the inner cities used to contain the good things of America. But once again, we are lambasted by the typical "let's blame it on the whites for our misfortunes" drivel that seems to occupy every headline of the day. Blaming your neighbor and coveting what he possesses is not the way for any man to better himself. Here's a novel thought—get an education, get a job, and live where you want, be it the inner city or the suburbs. That is the American dream.

RICK COCCIE (B.S. '83, UMD)
Minot, North Dakota

Giving up the "Cause"

"After the Layoff" (March–April) offers good advice even for a nine-job veteran of the career wars. After 30 years, I arrived at the same conclusion last month that work should not be a "cause." It is especially hard for us in the environmental "cause." And, loyalty is a myth that can be destructive when either partner—employer or employee—in the temporary arrangement believes it exists. It is and always has been hard work to make a living (my Iron Range miner father can tell you about that). We need to make our own rewards and success, appreciate every last paycheck and benefit, and stay in the market, anticipating not only layoffs but better opportunities for yourself. Good article.

WILL HAAPALA (B.A. '71, UMD)
Klamath Falls, Oregon

Please send your letters to the editor to: Minnesota, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455. Or e-mail to: fling003@umn.edu. Letters may be edited for style, length, and clarity.

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A compendium of news from around the University—research, promotions, program developments, faculty honors. Edited by Chris Coughlan-Smith

Campus Digest

Budget Woes Prompt Athletics Changes

The University of Minnesota will merge its men's and women's athletics departments and could eliminate men's gymnastics and men's and women's golf as varsity sports, University Vice President and Chief of Staff Tonya Moten Brown announced on April 11.

The measures are the most visible efforts to close an athletics deficit expected to reach \$21 million over the next five years. The University already provides \$10.8 million to cover the annual difference between expenses and revenue. "This plan is an important step toward ensuring that intercollegiate athletics lives within its means," University President Mark Yudof said. "I believe that the actions we take today will strengthen intercollegiate athletics at the University of Minnesota, and our student athletes will enjoy even greater levels of competitive and academic success."

Yudof emphasized that the University remains committed to gender equity and that women's sports will not receive less emphasis in a merged department. The contracts of women's athletics director Chris Voelz and men's athletics director Tom Moe expire June 30 and will not be renewed. Moe, who came out of retirement to take

the position, will retire, and Voelz will stay on for another year as an assistant to Yudof during the transition.

The golf and men's gymnastics teams originally were to be eliminated effective June 30, but Yudof and Moten Brown decided to postpone that action until June 2003 after hearing from athletes, coaches, lawmakers, and potential athletics donors. They set two deadlines for supporters to raise funds that would save the teams for at least two more years.

The Board of Regents voted unanimously to support the plan and will decide in June what the overall level of support for athletics should be, making the long-term budget situation clearer. The short-term recommendations would cover less than half the projected deficit. The new athletics director, expected to be hired over the summer, will also have a role in finding long-term solutions.

For updates on athletics news, visit www.umaa.umn.edu.



Gopher student athletes, coaches, and fans rallied in front of Morrill Hall April 10 to save nonrevenue sports before an expected announcement that men's gymnastics and men's and women's golf would be dropped. John Roethlisberger, a former gymnast and U.S. Olympian, emceed the program, introducing current and former athletes, parents, and coaches who spoke about the value of the nonrevenue sports programs at the University.

What People Are Saying

"We require colleges, departments, and administrative units to live within their budgets and prohibit deficit spending. . . . Intercollegiate athletics, for all its contributions, for all the joy and strong sense of community it brings to the University, should not be treated differently than the College of Liberal Arts or the Institute of Technology or the many fine academic programs we have at the University."

—University of Minnesota President Mark Yudof

"In our judgment, separate departments have fostered competition and rivalry, which has undermined collaboration and contributed to the financial challenge we face today."

—Vice president and chief of staff Tonya Moten Brown on consolidating departments, a move expected to save \$4.4 million over five years

"We're trying to meet politics with politics. There are a lot of people pushing us to keep going—not just gymnastics people, but some real movers and shakers. . . . I'm telling my guys that I think we'll have at least another year. None of them have asked for a release [from their scholarship]."

—Men's gymnastics coach Fred Roethlisberger, after the recommendation to cut his program. Administrators later decided to give his team at least one more year.

"My preference still is for separate departments, but I was well reassured by what the president had to say at his Thursday press conference. . . . If what they described does indeed come to pass, the women will be OK. Mary Jo Kane [who is leading the search for a new athletics director] is first-rate."

—John Cowles, Women's Athletics Advisory Council member and major donor (Jane Sage Cowles Softball Stadium)

"Any time you set precedent that cutting sports is OK, you have to be concerned. . . . We'd just like the opportunity to try to find [budget savings] and new revenue streams that can give us a permanent solution. [I don't] accept the fact that we have to cut to solve our problems. To eliminate opportunities for student athletes, in my opinion, should be the last resort."

—Baseball coach John Anderson

"This is an escalating problem happening all over the country and unless college presidents and the NCAA can [enact some spending controls], within 10 years you're going to see six or seven men's and women's sports at the most."

—Women's track and field and cross-country coach Gary Wilson (Minnesota currently has 11 men's and 12 women's programs)

War Posters on the Web

They cajoled, they exhorted, they warned, and they inspired. Posters were an important medium for moving civilians to action during World Wars I and II, and their slogans and vivid images give a glimpse into the political and social atmosphere as captured by artists.

An effort to preserve and put on-line some 6,000 of these war posters is under way at the University of Minnesota. The War Posters Project draws from two significant poster collections, one at the University and one owned by the Minneapolis Public Library. The project began in February with major funding from the Institute of Museum and Library Services, as well as contributions from the University and Minneapolis libraries. Most of the posters measure more than four feet high and require a high-resolution digital camera that can shoot them in a format acceptable for long-term storage. Staff members then catalogue and upload the images.

The database will take until late 2003 to complete, but as of March about 185 images were available at <http://digital.lib.umn.edu/warposters/warpost.html>. Individuals may purchase reproductions once the entire collection is on the Internet. Until then, images such as the U.S. World War I posters shown here may be viewed on-line.



U Research, Patents, and Spin-offs

A recent survey by the Association of University Technology Managers showed that University of Minnesota research ranked fourth nationally in creating start-up companies in the 2000 fiscal year. Only the Massachusetts Institute of Technology, the University of California system (with its 10 campuses and three national laboratories), and the California Institute of Technology generated more start-ups from their research.

Some national and University numbers from the report:

- Nationwide university royalties from patent licenses: \$1 billion
- Nationwide patent filings: 8,534
- Nationwide start-up companies created: 368
- U of M royalties from patent licenses: \$16.8 million*
- U of M patent filings: 73*
- U of M-related start-up companies created: 11

*Fiscal Year 2001 figures from *Discovering Our Pride 2001*, published by the Office of the Vice President for Research

100 Years of Ears, Noses, and Throats

In 1902, most medical specialties were merely a glimmer in some physician's eye, but the University's ophthalmology and otolaryngology program was already turning heads and draining sinuses in a department separate from general surgery. The University of Minnesota was only the fourth school in the country offering such specialized training and care.

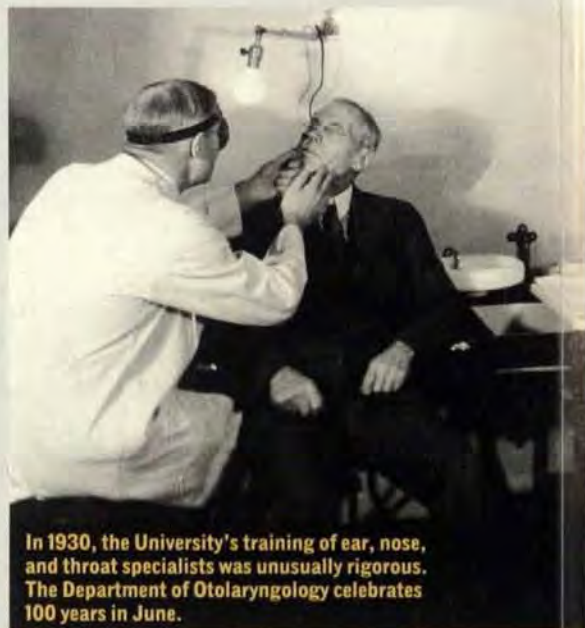
Dr. Frank Todd, appalled by the incompetence of the "six-week eye, ear, nose, and throat man," in 1912 suggested a two-year graduate course for physicians in the specialty. Prior to this graduate concept, doctors either learned their trade on unfortunate patients or went to Europe for a two- or three-month "medical quick lunch counter, returning in triumph with a certificate and beer breath," Todd said.

Todd planned for the construction of a hospital devoted entirely to the treatment of eye, ear, nose, and throat diseases, but died before realizing his dream. His estate, however, helped fund the Todd Memorial Clinic, opened in 1925 as a wing added to Elliot Hospital. The Todd Amphitheater still exists as part of the Mayo Memorial Building.

In more recent years, the now separate otolaryngology department has pioneered research and treatment for otitis media, or middle-ear infection, the most common reason children see physicians today. Current work is being done on head and neck cancers and stem-cell generation of auditory hairs.

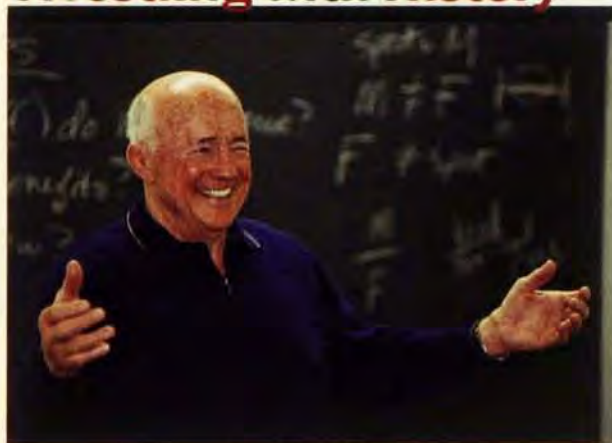
—Sarah Barker

A two-day centennial celebration for the Department of Otolaryngology takes place June 6 and 7 and features an address by Minnesota attorney general Mike Hatch, a medical seminar, and the graduation of current residents. For information or to register for the Friday morning seminar, call Megan Andrew at 612-625-5602.



In 1930, the University's training of ear, nose, and throat specialists was unusually rigorous. The Department of Otolaryngology celebrates 100 years in June.

Wrestling with History



Verne Gagne ('48) spoke with students in April about his years as a pro wrestler and promoter.

One week after graduating from the University of Minnesota, Verne Gagne ('48) was getting kicked in the mouth in the pro wrestling ring. The two-time NCAA wrestling champ and Gopher football letter-winner told a class of University students in April that the early years of wrestling were as colorful in their way as the current World Wrestling Federation. Gagne had long planned to go into pro wrestling, and his first pro match was in Minneapolis against well-known bad guy "King Kong" Kashey. The referee stopped the match when Kashey managed to untie Gagne's shoe, but as Gagne bent down to tie it, he got the kick in the face and landed outside the ring, where Kashey jumped on him. Several friends in the front row, including former Minnesota Vikings coach Bud Grant ('50) and former Green Bay Packer Clayton Tonemaker ('50), leaped to Gagne's aid but were sent fleeing by a snarl from Kashey. Gagne somehow survived, thus beginning a 32-year career in which he went on to become one of pro wrestling's first television stars and one of its top promoters.

Gagne talked about his life with students in Kinesiology 3131, a writing-intensive course called History and Philosophy of Sport and Physical Education, taught by Jim Larson. Earlier this semester, Larson hosted Women's International Bowling Congress Hall of Fame member Jean Havlish, who also played in the All-American Girls Professional Baseball League in the early 1950s. In earlier semesters Larson's students heard from such historic sports figures as NBA Hall of Famer George Mikan and Gopher Rose Bowl star Sandy Stephens, who has since died.

"I came to the conclusion that our students don't know as much about the past Minnesota athletes as they should," Larson says. "One of the themes I like to bring is we're all standing on someone's shoulders."

Before posing for pictures with students, Gagne shared his thoughts on the current state of pro wrestling. "There are only four or five of those guys who can actually wrestle," he said. "The rest are just show biz. That's why there's so much talking now and a lot less wrestling."

Overheard on Campus

"It was a mob mentality. . . . At a couple of different points, they were burning tires, couches, Dumpsters, anything they could find."

—Minneapolis Police Department inspector Rich Stanek quoted in the Star Tribune after up to 600 people rioted in the streets near Dinkytown following the Gopher men's hockey victory in the NCAA Frozen Four

Overheard on Campus

"This is totally unnecessary. Nobody's been out of control this evening. All the hysteria that's been started has been started by the riot police."

—University senior Scott Utne on how he believed events escalated after the hockey game, as quoted in the Minnesota Daily

Study Abroad Interest Up

The Global Campus-Study Abroad office reports a 65 percent increase in the number of students inquiring about study abroad compared to last year.

In-Person Inquiries (through week 6):
Spring 2001 663
Spring 2002 1,071

Phone Inquiries (through week 6):
Spring 2001 711
Spring 2002 1,104

Food and Mood

Depression leads women, but not men, to overeat, according to University of Minnesota research. Epidemiology professor Robert Jeffery conducted a yearlong study of 1,800 obese men and women to discern gender differences in the eating behavior of overweight adults. Participants rated how difficult they found it to resist food in various situations, were asked about medical histories, and took a depression test. Women in the study were almost twice as likely as the men to be depressed, and their depression strongly correlated to trouble controlling overeating. Jeffrey speculates that obesity contributes to feelings of depression in women, which then spur more overeating. In men, depression appears to have little correlation. At the end of the study, after weight-loss counseling, women who were not depressed lost more than twice as many pounds as the depressed group. Jeffrey concludes that weight-loss programs should help women patients address depression. He presented his findings at an American Psychosomatic Society meeting in March.



Faculty Research

A look at recent University of Minnesota studies, research, discoveries, and rankings

More Stem Cell Advances

University of Minnesota researchers published two more promising adult stem cell studies over the winter. In one, stem cells helped reverse short-term stroke damage in rats, while in the other, blood vessels were created from stem cells, which could aid in cancer treatments or healing wounds. The University's Stem Cell Institute is a national leader in research on what they call multipotent adult progenitor cells (MAPCs), which are found in bone marrow and can become many types of cells.

The stroke research, led by Dr. Walter Low, a neurosurgery professor, involved creating stroke injury to the brain of the rats, impairing their use of limbs. A week after the stroke damage, researchers implanted MAPCs. Within weeks, the rats had regained almost entirely normal use of their limbs. The MAPCs in that study had not been driven toward becoming brain cells, but were infused in the brain in purified form. Researchers will now attempt to find out whether the MAPCs secreted a protein that directed surrounding brain cells to repair the damage, as is suspected, or whether the new cells turned into brain cells themselves to repair the damage. Further study will also focus on whether stroke damage remains reversible after longer periods and whether it might be possible to use a person's own stem cells in the therapy. The study was published in the March 2002 issue of the journal *Experimental Neuroscience* (www.academicpress.com/en).

In the blood vessel research, Dr. Catherine Verfaillie, director of the Stem Cell Institute, and her colleagues showed that MAPCs that were directed toward becoming blood vessel cells in the lab could be successfully transplanted into mice and contribute to the growth of new blood vessels. Specific experiments succeeded in repairing blood vessels around wounds and in spurring vessel growth around cancerous tumors. The results could lead to new treatments against tumors or be used to repair many kinds of wounds or as a treatment for arteriosclerosis, a hardening of the arteries. The results were published in the February 1, 2002, issue of the *Journal of Clinical Investigation* (www.jci.org).

Dropping the Eye Patch

Eyedrops may be better than eye patches for treating lazy eye, the most common form of vision impairment in children, according to research at the University of Minnesota and elsewhere. Placing a patch over the stronger eye to force the weaker one to strengthen itself has long been an effective treatment for the condition, clinically known as amblyopia. Many children, however, become frustrated with the patch and have trouble keeping it on. The 400-child study found that atropine drops given once a day were statistically as effective as an eye patch in treating lazy eye. The drops temporarily blur vision in the strong eye. Although children given the drops had their weak eye improve more slowly than those with a patch, at six months the difference between patch and drops essentially disappeared. Researchers will continue to follow the children into 2003 to assess long-term difference in the treatments, if any. In amblyopia, the brain favors one eye for a variety of reasons, leading to poor vision in the other eye. As many as 3 percent of children have some degree of lazy eye, and about 75 percent of those treated as children overcome the condition. If not treated in childhood, however, it can become a lifelong impairment. The study was published in the March issue of the *Archives of Ophthalmology* (<http://archophth.ama-assn.org>).

A look at Campaign Minnesota's successes and the priorities ahead as the campaign enters its final year. By Joel Hoekstra

Campaign Update

Down to Details A message from the campaign chair

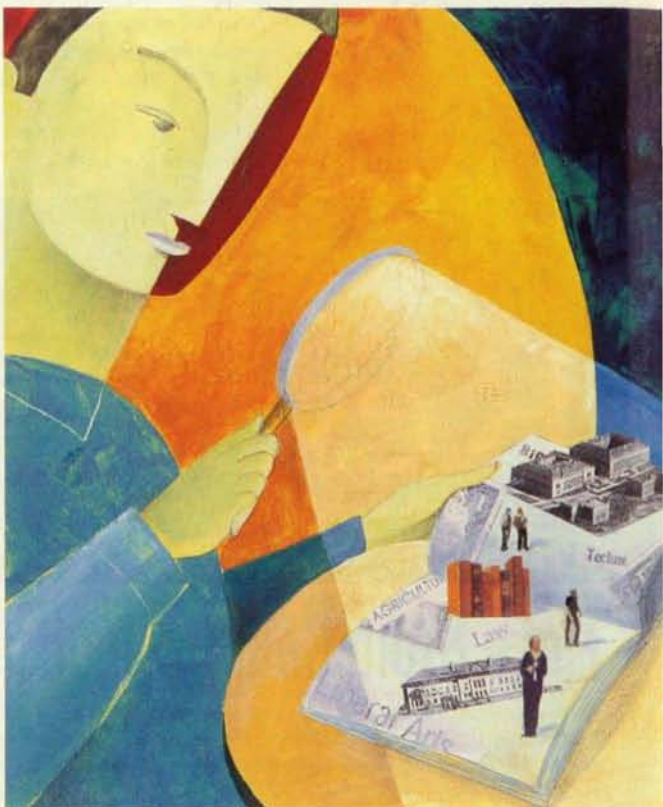
Great achievements require attention to details. Great symphonies depend on their final notes. Great novels have just enough chapters—no more, no fewer. Great scientific theories require that every question and counterargument be scrupulously examined.

As Campaign Minnesota enters its final year, we've got our eye on some important details. The ultimate success of our ambitious effort depends on fully funding every aspect of the campaign for maximum campus-wide impact. While financial goals have been met or exceeded in many areas, some key initiatives remain underfunded: Student support, libraries, and individual college goals are among our top priorities for Campaign Minnesota's last year.

Maintaining the University's reputation as a top-ranked research and teaching institution requires ongoing excellence in every college and in every department. From the students and faculty we attract to the strategic opportunities we tap, the University's future depends on our ability to fund vital programs and initiatives. A defining moment requires attention to details.

In the months ahead, as Campaign Minnesota nears its finish, you can depend on *Minnesota* for progress reports. In every issue from now until the campaign's end, we'll provide a roundup of areas that can benefit from your financial contributions—large or small—as well as a snapshot of the successes already achieved by the campaign. Keep an eye on these pages as the University moves forward in its pursuit of excellence.

*Russell Bennett (B.S. '50, J.D. '52)
Campaign Minnesota Chair*



About Campaign Minnesota



CAMPAIGN MINNESOTA
UNIVERSITY OF MINNESOTA

- What:** A historic fund-raising drive to ensure greatness at the University of Minnesota for future generations. Began July 1996 and concludes in June 2003.
- Goals:** Student support, endowed faculty chairs and faculty development, research, facilities, libraries, ongoing support for programs on all campuses.
- Who:** All gifts, of any size, count toward the campaign and so far 186,000 alumni, friends, and organizations have made gifts. This includes 8,000 faculty and staff members, who have given a record-setting \$54 million.
- Leadership:** Campaign leadership is provided by the University of Minnesota Foundation, an independent nonprofit organization. Volunteers—alumni and friends of the University—representing all campuses and colleges are involved.
- Progress:** The campaign is closing in on its initial dollar goal of \$1.3 billion, but key priorities remain before campaign close in 2003. **Priorities for the final year are:**
- *Student support:* scholarships, fellowships, and enrichment activities such as study abroad.
 - *Libraries:* building and maintaining collections, technology, and services.
 - *Campuses and colleges:* funding for remaining needs in all campuses, colleges, and programs.

The Returns on Investment

The future of every University program depends on the success of Campaign Minnesota. We asked three deans to explain how their areas will be affected by the campaign for years to come.

Robert Elde, dean, College of Biological Science

"Clearly, our new building for microbial and plant genomics, opening in December 2002, is an asset in recruiting new researchers and faculty. We're one of the first universities to have a building devoted entirely to genomics. The campaign also has given us an ability to get out into the community and explain to people how biotechnology is changing the world. It's given us a chance to meet face-to-face with donors and business leaders and build ties that help us better serve the community."

H. Ted Davis, dean, Institute of Technology

"Funds for fellowships, professorships, and scholarships have the longest-lasting impact. Our future reputation and success depends on our ability to attract top talent. And that requires funds to support their research."

Steven Rosenstone, dean, College of Liberal Arts

"It's the totality of what we have achieved that makes our current position so solid and our prospects so very bright. In the arts, I could point to the successful creation of the West Bank Arts Quarter. I could point to the many new fellowships, such as the Campbell, Larson, and Noland fellowships, that will help us recruit future generations of graduate students and intellectual leaders. Or I could point to the School of Journalism and Mass Communication, which in five short years has catapulted back into the highest tier of journalism schools in the nation."

Number of Alumni Donors Up

University of Minnesota alumni have always taken pride in maroon and gold. But school spirit can also be measured in dollars: Witness the 6 percent rise in the number of graduates who donated to the University as of March 31 compared with last year.

You can ride the wave. Consider making a first-time or additional gift to the U today and it will also count toward the campaign. A donation of just \$60 provides lab equipment for a budding scientist. A contribution of several thousand dollars can update a library collection or jump-start a technology initiative. Gifts of any size to a scholarship fund help students attend and succeed at the U. *If every graduate made a gift, every key component of Campaign Minnesota would be funded 100 percent.*

You may designate your gift to the college or program of your choice. Here's how to participate:

- On-line: Visit www.campaign.umn.edu to make a gift by credit card.
- By phone: Call 612-626-8560 or 800-775-2187 to make a gift by credit card, or call 612-624-3333 for information.
- By mail: Use the gift envelope enclosed in this issue of *Minnesota* (see page 56).
- Estate gifts also count. Call 612-624-3333 for information.

"History has demonstrated, time and again, that philanthropy makes the difference between an average university and a preeminent one. The goal of Campaign Minnesota is to ensure the University's preeminence in the 21st century."

—University President Mark Yudof

A Scholar and a Scholarship



Junior David Simon

Funding for student scholarships is a critical priority for Campaign Minnesota's final year. U students, like the one profiled here, reap the benefits.

Name: David Simon

Year: Junior

Hometown: Moorhead, Minnesota

Majors: Political science, Russian, global studies

Dream job: National security adviser

Resumé, so far: Public service is a priority for Simon, whose college expenses have been offset by scholarships. He has turned that support into academic excellence and service: He has volunteered at Hennepin County Medical Center, interned with Minnesota Advocates for Human Rights, and as a freshman, launched the U's Parliamentary Debate Society—all while enrolled as a full-time student. This spring he was named a Truman Scholar, a prestigious national award for students dedicated to public service.

Global vision: A semester in Russia and a stint working for the British Parliament have given Simon a global perspective. He has authored an opinion piece on Russian economic policy for the *New York Times* and interned with the Council on Foreign Relations in New York.

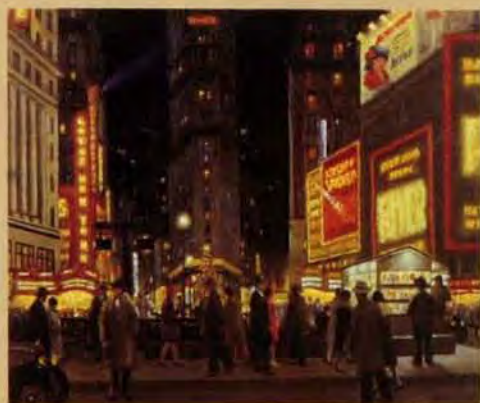
Money matters: "Without scholarships, I'd have to spend time juggling part-time jobs to pay for classes," Simon says. "Scholarships allow me to devote myself to reading and research. If I didn't get these scholarships, I probably wouldn't have stayed at Minnesota."

Campus Arts and Events



At the Weisman

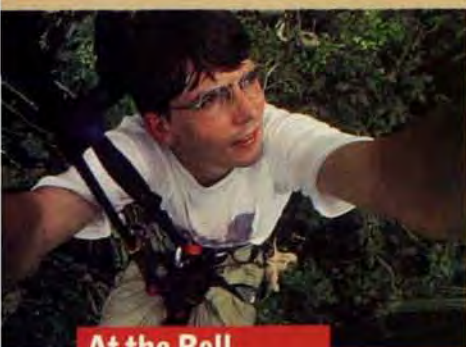
The Sheridan Theatre, 1937, oil on canvas, by Edward Hopper, part of "On the Edge of Your Seat" at the Weisman Art Museum through August 4.



The Great White Way, Times Square, New York City, circa 1925, oil on canvas, by Howard Thain, part of "On the Edge of Your Seat" at the Weisman Art Museum through August 4.



Plumes, 1930, oil on canvas, by Walt Kuhn, part of "On the Edge of Your Seat" at the Weisman Art Museum through August 4.



Dr. George Weiblen collects specimens from the rain-forest canopy and will demonstrate his research at "Exploring Nature's Histories and Mysteries" at the Bell Museum of Natural History through August 4.

At the Bell

FAMILY EVENTS

BELL MUSEUM OF NATURAL HISTORY

10 Church St. SE, Minneapolis, 612-624-7083. Hours: Tuesday-Friday, 9 a.m.-5 p.m.; Saturday, 10 a.m.-5 p.m.; Sunday, 12-5 p.m.

Science Lab Demonstrations

The Bell Museum presents demonstrations in conjunction with the "Exploring Nature's Histories and Mysteries" exhibition (see description under "Museums and Galleries"). May 25: Learn how plant specimens are prepared at the Bell's herbarium, which contains thousands of them. May 6 through May 19: Discover the role that figs play in rain forests and how botanical collections are made from plants in the wild. May 20 through June 1: Learn how to identify fungi, a diverse group of organisms that help ecosystems.

GOLD COUNTRY RUN AND FANFEST

The seventh annual Gold Country Run and Gopher FanFest raises funds for University of Minnesota intercollegiate athletics. The event features the Gold Country Run 5K run/walk through the University of Minnesota campus; Goldy's Gallop, a fun run for kids ages 4 through 12; Gopher FanFest, a chance for fans to meet coaches and student athletes; and the Great Gopher Sports Auction. June 1 at the Gibson-Nagurski Football Practice Facility, 600 15th Ave. SE, Minneapolis. The 5K begins at 9:30 a.m., Goldy's Gallop at 10:30 a.m. (registration for both from 7 to 9 a.m.), FanFest at 9:45 a.m. Call 612-624-0800.

MINNESOTA LANDSCAPE ARBORETUM

The Arboretum is nine miles west of Interstate 494 on Highway 5 in Chanhassen. Admission is \$5; free for those 18 and under. Call 952-443-1400 or visit www.arboretum.umn.edu.

Thursdays in the Garden

Enjoy live music, arts and crafts, and the summer gardens 5 to 8 p.m. every Thursday, June 6 through August 29 (excluding July 4). Hands-on Plants Adventure Treks from 6 to 6:30 p.m. feature a different family activity each week, including making a moss garden, using hand lenses to explore bugs, dancing to the rhythms of plant instruments, and making herb scent sacs to take home. The Trumpet Creeper Tram Tour starts at 6:30 p.m. for an hourlong narrated trip along Three-Mile Drive. The tour costs \$2; other activities are free. Gate admission is waived Thursdays after 4:30 p.m.

Back to Basics: Better Soils = Better Gardens

Keynote speaker Edwin Blosser of Midwest Bio-Systems in Tampico, Illinois, and two other speakers discuss how to use soil to transform your garden into a beautiful and productive one. June 8 from 8 a.m. to 3 p.m. The class fee of \$60 for members, \$75 for nonmembers,

includes gate admission, continental breakfast, lunch, and handouts. Call 952-443-1516.

More Than Dirt . . .

Visit the Marion Andrus Learning Center each Saturday for activities in the Harvest Kitchen and Garden Shed. Each weekend features a different topic filled with great ideas, experiments, books, and take home crafts. Discover how bees make honey and taste samples; build a toad house, examine a butterfly up close, and learn how to prepare easy treats from the garden. June 15 through August 24 from noon to 3 p.m. Free with gate admission. Call 952-443-1422.

Midsummer Night's Eve Flower Festival

Celebrate the coming of summer with a visit to the Marion Andrus Learning Center. Plant flower seeds, learn about edible flowers in the Harvest Kitchen, make flowers into memories in the Garden Shed, and discover the top five flowers to grow in your garden to attract butterflies. Other activities include face painting, a storyteller at 6:30 p.m., and a beeswax medallion demonstration. June 20 from 5 to 8 p.m. Most activities are free with gate admission. Call 952-443-1422.

Herb Day: Herbal Teas and Blends

Keynote speaker Mindy Kelly, of Mrs. Kelly's Custom Blended Tea, gives insight about the many uses of tea, both regular and herbal. Visit the arboretum's Kitchen Herb Garden to sample teas, learn about the culture and care of herbs for use in tea, and how to plant a portable tea garden. June 29 from 8:30 a.m. to 12:30 p.m. The class fee of \$35 for members, \$45 for nonmembers, includes gate admission, continental breakfast, and handouts. Call 952-443-1516.

Water Gardening for Everyone

Discover the various aspects of creating a water garden during this two-day symposium. Slide presentations and a hands-on activity with water gardening experts provide instructions and insight on how to build a pond. July 11 and 12 from 8 a.m. to 4 p.m. Class fee to be determined. Call 952-443-1516.

MUSEUMS AND GALLERIES

BELL MUSEUM OF NATURAL HISTORY

10 Church St. SE, Minneapolis, 612-624-7083. Hours: Tuesday-Friday, 9 a.m.-5 p.m.; Saturday, 10 a.m.-5 p.m.; Sunday, 12-5 p.m.

Exploring Nature's Histories and Mysteries

For 130 years, Bell Museum scientists, curators, and exhibit developers have been working to solve nature's mysteries. This exhibit chronicles the exciting discoveries of the past and explores the most intriguing questions of the present. Through photographs, art, film, research equipment, and activities, find out how collections of old eggs helped solve the puzzle of the disappearing peregrine falcon;

discover how scientists use lichens to learn about air pollution; meet U scientists and watch them conduct research, from analyzing bird songs to examining echolocation in bats; and more. Through August 4.

FREDERICK R. WEISMAN ART MUSEUM

333 East River Road, Minneapolis, 612-625-9494. Hours: Tuesday, Wednesday, Friday, 10 a.m.-5 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday and Sunday, 11 a.m.-5 p.m. Admission is free.

On the Edge of Your Seat

This exhibit—with more than 100 works of art, posters, playbills, costumes, and vintage theater lighting and motion picture equipment—looks at the responses of American artists to the new and evolving visual culture in popular theater and movie houses from 1890 to 1930. Through August 4.

GOLDSTEIN GALLERY

244 McNeal Hall, 1985 Buford Ave., St. Paul, 612-624-7434. Hours: Monday, Tuesday, Wednesday, Friday, 10 a.m.-4 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday and Sunday, 1:30-4:30 p.m.

Material Witness: The Socio-Political in Contemporary Textile Art

Nine well-known fiber artists explore societal and political issues of particular interest to women. Works in mixed media, fabrics, quilts, collages, clothing, and embroidery address social violence, social ideals of feminine beauty, domestic abuse, damage done to women's bodies to comply with an ideal female form, and aging and mortality. In addition, book artists echo the exhibition's themes in sculptural artists' books. June 2 through August 18.

KATHERINE E. NASH GALLERY

In Willey Hall, 225 19th Ave. S., Minneapolis, 612-624-7530. Hours: Tuesday, Wednesday, Friday, 10 a.m.-4 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday, 11 a.m.-5 p.m. Admission is free.

Deep Flight

Sponsored by the Visual Arts Committee of the Twin Cities Student Unions
June 18 through July 26 in the Main Gallery

Work from the 33rd annual Iron Pour

June 18 through July 5 in the Teaching Gallery

Pixel/Image: Images by students of Gary Hallman

July 9 through July 26

SPEAKERS AND CONFERENCES

AFRICAN GENEALOGY AND GENETICS: LOOKING BACK TO MOVE FORWARD

African American scholars, community members, and religious leaders gather to discuss the importance and implications of using genetic technologies and genealogical methods to reconstruct an African identity. June 21 and 22 at the McNamara Alumni Center, 200 Oak St. SE, Minneapolis. Call 612-624-9440 or visit www.bioethics.umn.edu.

FIRST TUESDAY LECTURE SERIES

The Carlson School presents lunch and a top-level executive as the keynote speaker the first Tuesday of every month at the Radisson Hotel Metrodome, 615 Washington Ave. SE, Minneapolis. The **June 4** speaker is Ron James, president and CEO of the Center for Ethical Business Cultures. The **July 2** speaker is Warren Stanley, chairman and CEO of Cargill. The **August 6** speaker is Jay Fishman, chairman and CEO of the St. Paul Companies. Registration begins at 11:30 a.m., lunch follows at 11:45 a.m., and the event concludes at 1 p.m. The cost, which includes lunch and parking, is \$18; pre-registration is required. Late and walk-in registration costs \$23 and is limited. Call 612-626-9634.

MATERIAL WITNESS PANEL DISCUSSIONS

In conjunction with the exhibition "Material Witness: The Socio-Political in Contemporary Textile Art" at the Goldstein Gallery (see description under "Museums and Galleries"), guest curator Karen Searle and several exhibiting artists hold a panel discussion on "Art As Advocacy," June 2 at 2:30 p.m., during the opening reception. And Carol Arthur, executive director of the Domestic Abuse Project, and Eleanor Bell-Green, a survivor of domestic abuse, hold a panel discussion on "Domestic Violence—From Victims to Survivors" July 18 at 7 p.m. Both take place in 33 McNeal Hall, 1985 Buford Ave., St. Paul. Call 612-624-7434.

THEATER

UNIVERSITY THEATRE PROGRAM

Dr. Jekyll and Mr. Hyde

In a retelling of Robert Louis Stevenson's novel, playwright Leonard Caddy entices the audience into a world of good, evil, and secret desire. In his obsessive search for man's true identity, renowned scientist Dr. Jekyll stumbles upon a potion that transforms him into his hideous alter ego, Mr. Hyde. As the lines between science and madness begin to blur, Jekyll and Hyde are forced into taking the only course of action left. Directed by Mike Harvey, July 5 through August 25 on the new Minnesota Centennial Showboat, docked at Harriet Island in St. Paul. Call the Paddleboard Packet Boat Company, 651-227-1100, or visit www.paddelfordboats.com.

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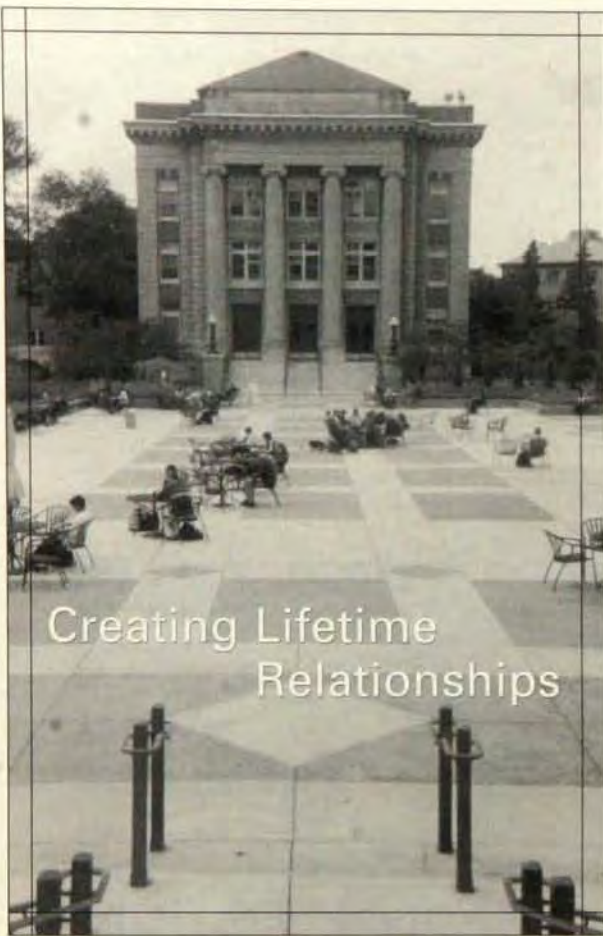
EMAIL: mot@cdtl.umn.edu
WEB: www.cdtl.umn.edu



Center for the Development
of Technological Leadership

UNIVERSITY OF MINNESOTA
INSTITUTE OF TECHNOLOGY

The University of Minnesota is an equal opportunity educator and employer.



Creating Lifetime Relationships

U of M alumni have played a major role in INSPEC's growth as an engineering/architectural firm during its 29-year history.

In that tradition, we are proud to announce that U of M alumnus **Dwight D. Benoy, P.E.**, has been elected President of INSPEC. Dwight received his Bachelor of Civil Engineering degree in 1977.

The U of M alumni at INSPEC value their education and hold the U of M in high regard.

They are:

- | | |
|----------------------------|----------------------|
| David Campbell, AIA | Steve Nelson |
| Chuck Benzie | Gary Patrick, AIA |
| Tim Benzie | Dick Phillips |
| Brent Boelter, P.E. | Rich Pogorely |
| Dawn'l Burns, CCS | Bob Rawski |
| Bob Harrington, Assoc. AIA | Mike Remington, P.E. |
| Mike Johnston, RRC | Jerry Reynolds |
| Fred King | John Skraba |
| Cynthia Long, Assoc. AIA | Rob South, P.E. |
| Steve Mayer | Alan Winterfeldt |

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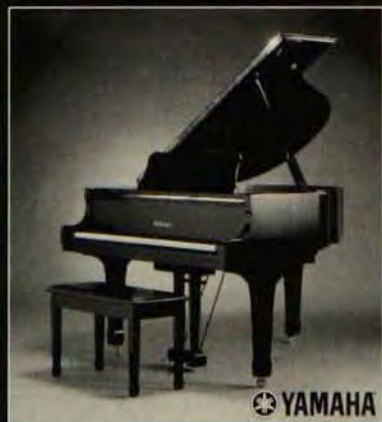
**COFFMAN
MEMORIAL
UNION
DOORS
REOPEN
JANUARY
2003**

**COFFMAN
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Experience what the new Coffman Memorial Union might look like before it opens! Take a virtual tour inside the building online at www.coffman.umn.edu/renovation

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651-501-8248

in Brief

Tuition and fees will increase by an average of 16 percent next year under a budget framework presented by University President Mark Yudof to the Board of Regents April 12. Yudof's preliminary budget plan, presented in July 2001, called for a tuition increase of 13.6 percent. Due to a state budget shortfall, the Minnesota legislature has voted to withdraw \$23.6 million in previously approved funding from the University for the biennium. In addition, the University is absorbing another \$9.6 million in unexpected costs, mostly for increased security.

To temper the increase and encourage progress toward a degree, Yudof is also recommending that undergraduate students at the Twin Cities campus who take more than 13 credits pay no additional tuition. For students with a 12-credit load, the effective tuition increase would be 18.8 percent; for students taking 16 credits, the increase would be 10.4 percent. "I think this will encourage students to graduate on time," Yudof said. The University's five-year graduation rate is the lowest in the Big Ten and the six-year graduation rate is the lowest among the top 50 national public universities, according to a University report.

To improve graduation rates, the University has introduced two policies that affect undergraduate students. The first, which begins in November, gives course registration priority to full-time students (those who take at least 13 credits) in addition to those with 75 or more completed credits. The second policy requires degree-seeking undergraduate students to register for at least 13 credits a semester unless they have permission to take fewer credits. This requirement will apply to new freshmen and undergraduate transfer students in September and to all undergraduates three years later.

A plan to trim a projected \$21 million deficit in Gopher athletics by \$8.5 million over the next five years was released April 11. The three-phase plan, developed by Vice President Tonya Moten Brown, includes merging the Twin Cities men's and women's athletics departments; eliminating men's and women's golf and men's gymnastics; and implementing a three-year moratorium on facility costs related to athletics. Administrators later postponed drop-

ping the three teams until June 2003 and set deadlines for supporters to raise funds that would save the teams for at least two more years. (See page 12 for more.)

A national search is under way for an athletics director to lead the combined Gopher athletics department. Professor Mary Jo Kane, director of the Tucker Center for Research on Girls and Women in Sport, is heading the search committee. Vice president Moten Brown said the new director must be sensitive to Title IX and include women in leadership roles. The University has a committee examining the best practices in schools with a single athletics department. The new administrative structure begins July 1.

Vandalism on campus April 6 and 7 following the Gopher win at the NCAA men's hockey championship will cost the University of Minnesota more than \$55,000, according to estimates by the University's facilities management division and repair vendors. An April 16 estimate of \$53,549 was expected to increase because estimates for several parking attendant booths were incomplete. Because the University has a deductible of \$200,000, insurance will not cover the cost. The University of Minnesota Police Department is investigating the vandalism to identify those responsible. If convicted, they could be forced to pay restitution.

An external board is examining the University of Minnesota Press

academic review and book selection process following significant media attention and public response to one of its recently published books: *Harmful to Minors: The Perils of Protecting Children from Sex*, by New York journalist Judith Levine. Contrary to some claims, said University Press director Doug Armato, the book does not advocate pedophilia, but rather attempts to make a case for open and honest discussion about children's sexuality.

"As a public university, we are accountable and responsive to the public," said Vice President Chris Maziar, who is overseeing the review by a panel of experts from other academic and university presses. "Neither the University Press nor the University of Minnesota endorses the theses of authors it publishes, including that of Ms. Levine. In fact, some within the University may vehemently disagree. University presses by their nature will publish work on controversial subjects; it's our responsibility to ensure that the procedures and processes of the press foster both academic freedom and quality publications." The University of Minnesota Press is an independent, nonprofit auxiliary. ■

Pauline Oo is a writer in the Office of University Relations.



The Minnesota Centennial Showboat arrived at Harriet Island April 17 after a two-week trip up the Mississippi River from Greenville, Mississippi. The original Showboat was destroyed by fire during renovation in January 2000. The new 175-foot, 211-seat Showboat was built through a public/private partnership between the University's Department of Theatre Arts and Dance, the Padelford Packet Company, St. Paul Parks and Recreation, and the St. Paul Riverfront Corporation. Permanently docked on Harriet Island, the Showboat's grand opening takes place July 5 with the production *Dr. Jekyll and Mr. Hyde*.

Traversing Boundaries

A moment of unexpected grace by way of an arduous canoe trip and an unusual boy.

BY RICHARD BRODERICK

Even though Ahsab Lake was calm that August morning, our canoe was rocking so violently I was afraid I'd be pitched into the water.

Besides me, four others were crammed into the boat making its way through the Boundary Waters Canoe Area to a waterfall two lakes over. My neighbor Brian, his 10-year-old son Garrett, my 13-year-old daughter Emma, and—Billie. Ah, yes, 8-year-old Billie. For the past several minutes he and my daughter had been playing a game of hot potato with a stinkbug. Neither wanted to touch or be touched by it and now, as Emma tried to push it back toward Billie, the boy lurched away, nearly upsetting us.

"Billie!" I yelled, "Just pick the beetle up and throw it overboard!"

No response. Well, I had expected no better. When Brian told me Billie would be camping with us at our site, he'd explained that Billie was "different"—that he liked to "keep to himself" and was "kind of quiet." But "different" turned out to mean something much odder and altogether more difficult than I had expected: a grunting bundle of tics and compulsively repetitive movements. So far, the boy had spent almost all of his time on shore tossing rocks into the water despite our repeated requests that he stop.

While I don't pretend to be any kind of expert on child development, it seemed to me that Billie was displaying autistic tendencies. Yet, despite believing that, I couldn't help reacting to him with visible dismay. Even without the extra aggravation, the trip so far had been a trying one, a misadventure of missed portages, capsized canoes, campsites we'd hoped to use already claimed by the time we'd arrived. Billie was staying with us because 14 of us had entered the BWCA as one large, extended party, and

park rules limit the number of individuals at any campsite to nine. While Billie's father, his sisters and their friend, and another couple and their daughters were staying at a site on another lake, Billie had been relegated to our campsite, ostensibly on the grounds that he was Garrett's friend, although I could see little evidence of camaraderie between them.

I couldn't shake the feeling that we'd been snookered into taking on a noisome burden.

After further commotion in front of me, I put my hand on the gunwale to steady the canoe. "If you do that again, Billie," I warned, "we're going to drop you off up there," I pointed the paddle toward a stretch of tangled shoreline, "and go on without you." Even as I spoke, I knew it was an idle threat. With black humor, I realized that Billie would probably enjoy being left alone in the woods for a few hours.

That evening, as Brian and I prepared supper and Billie paced around the fire, ignoring our requests that he not throw stones, I waited until the boy was out of earshot and then opened up with my frustrations. "What do you do with a kid like that?" I asked plaintively. "What in hell do you do?"

It was then that my neighbor gave me words of advice so simple, so right, that all I

could do was sit in stunned silence.

"Love him," Brian said. "And if that doesn't work, you love him some more."

I laughed, but then fell silent. Of course. How simple. I sat and forced myself to ponder the situation from Billie's point of view. Not only was he consigned to sleeping alone in a tent each night, far from his father and siblings, but here he also had to spend time with a couple of strangers—Emma and me—who made no bones about how much he annoyed them. How intensely uncomfortable things must be for him too. And if, in fact, he



did have developmental disorders, then my behavior could not help but have a negative effect on his behavior. My ire, my lack of friendliness, was only making him worse.

"You're right," I finally conceded to Brian. "That is all you can do, isn't it?"

The next day, I forced myself to be more patient with Billie, speaking to him in a neutral tone. As my attitude improved, not surprisingly, he settled down too, became less fidgety, less strange, less—well—annoying to have around.

The next night, our last in the Boundary Waters, I lingered by the fire after everyone else had gone to bed, sipping herb tea and watching the evening sky slowly darken. Suddenly the quiet was broken by Billie, calling out to Brian from his tent. "What's wrong, Billie?" Brian asked. After a long pause, Billie explained that he was scared because of a bad dream he'd had the night before.

Reluctant to crawl out of his sleeping bag, Brian tried to reassure the boy. I listened for a few moments to the conversation and then thought, What the hell.

"Come on out here, Billie, and sit with me by the fire," I called. I wasn't sure if he'd comply, and a good minute went by with no response before I heard him scuffling out of his tent.

For a while, we sat side by side, saying little. Then I began to

That evening, as Brian and I prepared supper and Billie paced around the fire, ignoring our requests that he not throw stones, I waited until the boy was out of earshot and then opened up with my frustrations. "What do you do with a kid like that?" I asked plaintively. "What in hell do you do?"

ask him about school, what his favorite classes were. "I like to read," he told me. I told him that I, too, had been a big reader when I was his age. "My favorite book back then was *The Biggest Bear*. Have you ever read it?" I asked.

"No," he said. Then, after a long pause, he added, "It was a Caldecott winner."

"That's right," I said, mildly surprised. "How do you know that?"

"I remember seeing it on a poster of Caldecott winners at school," he explained.

Now I was more than mildly surprised. This strange, backward little boy was, in fact, extremely bright and perhaps even possessed a photographic memory. We chatted a little more, then Billie said he was tired. He rose to go back to his tent but then turned toward me, looking at the ground.

"I wish there was somebody to sleep with me," he said. "I'm still scared."

"Sure," I told him. "I'd be happy to."

We climbed into his tent and after he'd crawled into his sleeping bag, I asked if he'd like to hear a bedtime story. "Yeah," he said. "My mom and dad never have time to tell me any." I wasn't surprised; Billie was one of six children and slept in the same bedroom with two brothers. I launched into a paraphrased version of Oscar Wilde's *The Selfish Giant*, the story about a giant so intent on controlling his surroundings that he shuts himself off from

the possibility of joy. Within 15 minutes or so, Billie's breathing had settled into that slow, steady pattern that every parent knows is a sign of deep and untroubled sleep. I waited a few moments to make absolutely sure that he wouldn't wake up frightened, then quietly slipped away.

Outside all was hushed, the lake still, the only sound the faint saw of Brian's snoring from within his tent. I picked my way down toward the lake, then rested on the ground with my back against a log, looking up at the stars. A deep sense of peace and goodwill gripped my spirit. I reflected upon the gift I'd been given this beautiful summer night, for I had no illusion over who had been recipient of this little moment of grace. As I gazed up into the great halo of the Milky Way, the words of an old Quaker hymn came into my head: "Since love is Lord of heaven and earth / How can I keep from singing?" As if on cue, a solitary lightning bug blinked its way down off the ridge that lay just to the west of us, followed the sweep of the shoreline, and came directly over our campsite, where it hovered for a few moments directly above me.

The next morning, I woke with a sense of guarded anticipation. Yes, Billie and I had made a connection the night before, an experience that I, at least, found immensely fulfilling. But would there be any carryover to today? Or would he slip back into his semi-autistic shell?

The first signs were not encouraging. I went to help Brian cook breakfast and Billie began pacing obsessively around the fire, throwing stones into the lake. Well, I thought, at least I don't find this as annoying as I did before. We ate, Billie averting his eyes as always, snuffing his food down.

Afterward I went over and began striking my tent. And then I noticed it. Billie was still pacing in circles, tossing stones in the water, but now he'd staked out a territory a few feet from where I was working. It was, I realized, his way of staying in touch.

Back in Ely a few hours later, I decided to put things to the test. After dropping off one of the canoes at the outfitter, there was a moment in the parking lot when our entire combined party of 14 was milling around, making its farewells. Brian had already explained to me Billie's aversion to being touched, and nothing I'd seen of his behavior over the past four days contradicted this. But just before we climbed back into our respective vehicles, I stepped toward Billie and opened my arms. After a slight hesitation, he came and placed his head on my chest. It was a skitish sort of hug, to be sure, but a hug nonetheless.

And for that, I felt grateful all over again. ■

Richard Broderick (B.A. '76) is a St. Paul freelance writer and editor. He wrote "The Last Taboo," a feature about colorectal cancer research at the University, for the September–October 2001 issue of Minnesota.

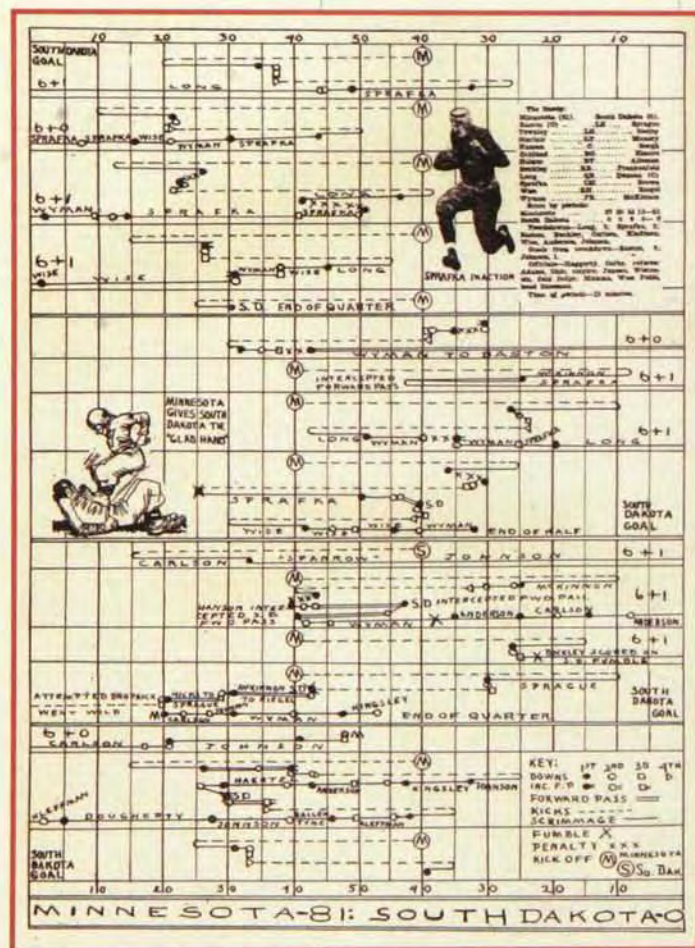
FIRST PERSON features personal essays written by alumni, faculty, students, or anyone with a University connection. To request writers' guidelines for First Person, write to Shelly Fling, Editor, Minnesota Magazine, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455. Or e-mail fling003@umn.edu.



MINNESOTA TURNS 100

From
AIDS
Z^{to}
zyzo:

A Century of Stories



OCTOBER 23, 1916

THE ALUMNI WEEKLY MAPPED OUT THE PLAYS OF THE PREVIOUS WEEK'S GOPHER FOOTBALL GAME, SUCH AS IN THIS 81-0 MINNESOTA-SOUTH DAKOTA TRUNCING.

For 100 years, the alumni magazine has been a chronicler of University happenings, a voice of alumni, and a forum for exploring new ideas. What follows are **100 excerpts** and summaries of stories that appeared in the alumni magazine in its century of publication.

Edited by Shelly Fling
and Chris Coughlan-Smith

April 28, 1902

University alumnus and former assistant botany professor Alexander Anderson ('94) "recently made an invention which bids fair to bring him fame and money." Anderson discovered how to "pop" starch foods, leading to the creation of puffed rice and other puffed cereal grains.

February 1, 1904

The General Alumni Association was launched, and 350 alumni turned out for the event. Professor Henry Nachtrieb, first chairman of the organization, said, "We are not a political organization, but if it becomes necessary for us to go into politics to keep the University out of politics, we shall go into politics."

September 26, 1904

After surviving fires in 1891 and 1893, the University's Old Main burned to the ground September 24, 1904. The west wing was built in 1858, the east wing in 1876, and both survived previous fires. The building and its contents, valued at \$187,000, were lost, but the mail was rescued by three firemen and a medical student who guided them to the Old Main post office.

October 10, 1904

A movement was afoot among University men to organize an Anti Hat-Lifting Society, the members of which would no longer greet women by tipping their hats. The men claimed it "is a nuisance to have to expose their heads to the weather at least a dozen times while passing from one building to another." In turn, the women decided that "too much time is wasted by dropping a chain of serious thought to smile upon young men." It appears that the movement subsequently died.

October 16, 1905

The *Alumni Weekly* reported that President Theodore Roosevelt urged college football men "to do away with the dangerous features which at times degrade a noble game, making it altogether brutal." The editors went on to say: "There is just one single rule, easily enforced, which will do away with most of the evils of the game. . . . Every student trying for the football team must be a bona fide student. . . . We freely admit that the enforcement of this rule would create a revolution—but would a revolution be undesirable?"

November 11, 1907

University women organized an equal suffrage club the week before. The first meeting, held in Shevlin Hall, was attended by 35 of the 900 women at the University.

December 2, 1907

The *Alumni Weekly* endorsed the creation of a clubhouse for men on campus. "The men of the University need a place where they can go at any time, and meet other men and get acquainted with each other and satisfy their craving for social life. If



APRIL 27, 1922

A STORY ABOUT COMPANY Q, A CADET CORPS OF UNIVERSITY CO-EDS IN THE LATE 19TH CENTURY, REPORTED THAT THEIR FORMATION WAS STARTLING AND THAT "THE GIRLS WHO COMPOSED IT WERE CONSIDERED ALARMINGLY 'ADVANCED'—INDEED, ALMOST 'QUEER.'" THEY REPRESENTED THE MOST ACTIVE AND PROMINENT MEMBERS OF THE CLASSES, HOWEVER, AND SO REPORTEDLY WERE RESPECTED.



FEBRUARY 16, 1903
JUDGING SHEEP AT THE SCHOOL OF AGRICULTURE

such provision is not made where they can have what is an imperative demand of their natures, satisfied under proper conditions, they will get what they want under conditions which are demoralizing."

December 16, 1907

University alumna Essie Winning Williams ('99) was the first woman to plead a case before the Minnesota Supreme Court.

January 18, 1908

A report about the department of medicine classes held on Sundays raised a storm of protest and the class was canceled. "The people of the State will not stand for such actions and apart from any question of morals, the practice is bad for the individual as well as the institution."

October 5, 1908

A poem was found in the boat Arthur Upson ('05), an assistant professor and popular figure on campus, was rowing just before he drowned. Upson, who had won fame as a poet, drowned August 14 in Lake Bemidji. The complete manuscript Upson was working on, however, apparently was lost with him, and a reward was offered for its recovery.

September 19, 1910

The *Minnesota Daily* had been "taken in" by an unfounded story appearing in another newspaper. The rumor was that former president Theodore Roosevelt had been offered the presidency of the University of Minnesota at a salary of \$200,000 and that James J. Hill had offered \$30 million as an endowment if Mr. Roosevelt would take the job.

January 30, 1911

The alumnae of the University who were specially interested in women's athletics formed an alumnae athletic association. "They . . . feel that there is an opportunity to show their interest in athletics for women at the University at the present time and possibly to be of decided service."

November 25, 1912

The agricultural college's educational train returned after a two-week trip, during which 22,700 people attended lectures and demonstrations. The train had six cars carrying horses, cattle, sheep, hogs, poultry, machinery, dairy products, and farm crops. "Everywhere the train went it was received with enthusiasm and the attendance was flattering."

May 19, 1913

Approximately 400 women assembled and voted to adopt the following resolution: "We, the women of the University of Minnesota, abolish all ragging; ragging to include the tango, and all forms of extreme dancing; extreme dancing to be defined as all dancing not in the waltz position." The Student Council adopted a simple resolution at the same time.

February 8, 1915

The Students' Prohibition Club petitioned to have an 1883 state law amended. The law prohibited the sale of liquor within one mile of the main building on campus but exempted Minneapolis west of the river. When the law was written, no bridges would enable anyone to get to campus without traveling at least a mile. By 1915, there were 75 saloons within a mile of campus, over the river. A bridge had brought many of those establishments within a direct mile of the University.

June 12, 1916

The *Alumni Weekly* protested the fact that magnificent campus oak trees were being sacrificed for new buildings and not replaced. Many of the oaks could have been saved, the editor wrote. The editors suggested that the University take care of the remaining oaks, restrain from destroying those that could be saved, and create a plan for reforesting the campus with oaks.



NOVEMBER 19, 1938
AN AERIAL VIEW OF CAMPUS SHOWED THE SITE FOR THE NEW UNION, TO BE BUILT WHERE THE TENNIS COURTS ARE IN THE UPPER-RIGHT CORNER OF THE PHOTOGRAPH.

April 9, 1917

One hundred thirty-nine members of the University faculty signed a telegram to President Woodrow Wilson urging that a state of war with Germany be declared immediately. "The limit of national patience has been reached. Germany understands no argument save force. We urge the immediate recognition by congress of the state of war brought about by Germany, and prompt and vigorous action for the protection of our national interests and the rights of our citizens."

September 23, 1918

The *Alumni Weekly* reported on an agricultural achievement: "A Jersey Cow, Lady Goldie Y, produced more than her own weight in butter at the University farm last year."

October 7, 1918

The executive committee of the Board of Regents voted to indefinitely postpone the opening of the University, except for the Student Army Training Corps, because of the severe influenza outbreak.

October 20, 1919

A sophomore was believed to be the first female student whose mother and grandmother both attended the University. Catherine Sweet's mother earned a degree in 1893, and her grandmother was a student in 1872.

October 28, 1920

Janet Rankin Aiken ('12) submitted an essay urging women to "keep both her business and her home." She wrote: "Do intelligent men prefer house-keepers who stay within the home, or home-makers who are also intelligent companions?" A life solely raising children with "the pettiness of home routine" is a "half life, and the children as well suffer when this is so."



MAY 1948
RESEARCH ASSOCIATES AT THE UNIVERSITY'S HORMEL INSTITUTE IN AUSTIN, MINNESOTA, CHECKED ON A DAY-OLD PIG IN A FARROWING STATION.

February 3, 1921

An enrollment boom over the next 20 years was predicted, because 40 percent of Minnesota children were still in school at age 15, and 20 percent at age 18.

October 27, 1921

"Apologies for the actions of coach Williams in placing four-digit numbers on the backs of the Minnesota players in the Northwestern game have been forwarded to all members of the Conference," began a University News Budget item. Henry Williams said his use of "the freak numerical code . . . was a little joke on the rule-makers" who had mandated the use of numbers just a year earlier.

December 15, 1921

Beloved English professor Richard "Dickie" Burton, in a lecture on Minnesota literature, sharply criticized Sinclair Lewis and his novel *Main Street*. "That street called Main may seem more like a side alley or a cow pasture five years hence. . . . I am as tired of talking of *Main Street* as I am sure you must have gotten tired

reading it." He predicted that William Watts Folwell's four-volume history of Minnesota would live on long after Lewis's novel was forgotten. Of F. Scott Fitzgerald, Burton acknowledged his talent and hoped the writer would "get sober soon."

December 6, 1923

Dr. Strachnauer, head of the University surgery department, declared that 90 percent of all cancer could be cured in its "second month's stage." Dr. Slye, a heredity specialist, found through 15 years of mouse experiments that "cancer is hereditary" and that three out of four descendants would possess the dominant cancer characteristics of the parents.

February 7, 1924

As part of the effort to "solve the immigration problem scientifically," the University's psychology department received a National Research Council grant to develop tests of mechanical ability and then to determine whether certain kinds of mechanical ability related to intelligence. The work was part of an effort to add a scientific basis to various racial theories then being expounded. The article described the post-World War I situation: "Hordes of aliens storm the gates of Ellis Island, demagogues shriek from street corners, and politicians bicker in legislative halls."

May 8, 1924

In a report on the year's fashion trend, male seniors were said to carry canes to distinguish themselves as near-graduates. The canes were made "of unvarnished wood so that they may be autographed. . . . To keep pace with the men in the class, the women students have taken to swagger sticks." Swagger sticks are short, slender sticks, metal tipped, typically tucked under the arm by officers in military parades.

April 9, 1925

Bill Stout ('05), called the "Henry Ford of aviation," was profiled after inventing the first all-metal airplane, the Stout "air Pullman." Tests showed the aluminum plane to be stronger, lighter, and faster than the wood-and-cloth design that was then the standard. His air Pullman was one of the first commercial passenger planes. He later invented the Stout Tri-motor and sold it to Henry Ford, who renamed it the Ford Tri-

motor, one of the landmark planes in aviation history.

October 23, 1926

"The future of auto parking on the University campus will be a serious one," an article stated, as the three biggest lots were about to be used for buildings and 60 percent of students lived in Minneapolis and St. Paul and drove home every day. "The problem is one for future study by transportation experts," the article concluded.

March 12, 1927

From an editorial urging action to defeat a bill, then making its way through the legislature, that would outlaw the teaching of evolution: "The alumni, representing, as we believe they do, the higher searchers for truth, must rally united to the standard that truth and the search for truth in every form must not be



NOVEMBER 1949
BAND ALUMNI PLUGGED THEIR EARS WHEN A FELLOW BAND ALUMNUS PLAYED HIS ALTO HORN TO THE BEAT PROVIDED BY A FORMER DRUM MAJOR. THEIR ANTICS MARKED THE LAUNCH OF THE MINNESOTA BAND ALUMNI ASSOCIATION, THE FIRST SUCH CONSTITUENT OF THE ALUMNI ASSOCIATION.

padlocked. The cry must be two evolution or anti-evolution. The two can reside peacefully side by side if indeed not with the other. The cry must be for tolerance. Tolerance will save the world. Tolerance will prevent wars, destruction, ravage. Tolerance will allow one man to be respectful of the belief of his neighbor whether or not he agrees with that viewpoint. We must exercise the use of tolerance or the world will rapidly plunge backward, not forward; civilization, so painfully built up over the centuries, will be struck a blow so serious that recovery will be doubtful."

May 12, 1928

A University women's group protested having to maintain a C average to be eligible to participate in extracurricular activities. The group's main point of contention was that rules for men's participation merely stated that males needed to be "not failing."

February 19, 1929

Accounting instructor Harold Fraire urged changing to a calendar of 13 months, each with 28 days, to benefit business with easier and clearer accounting. The extra day (to reach

Minnesota ALUMNUS



SEPTEMBER 1943
A GROUP OF SOLDIERS HEADED OVER THE WASHINGTON AVENUE BRIDGE TO COFFMAN UNION FOR LUNCH. SUMMER ENROLLMENT WAS UP, WITH THE U OPERATING YEAR-ROUND TO MEET WARTIME TRAINING NEEDS.

365) would be December 29 and a national holiday. The extra month would fall between June and July and be called "Sol."

November 8, 1930

Masquerading as a Swedish immigrant girl with "No Inglis," alumna Nora Burglon crossed the United States from New York to Seattle to observe the reactions of the public to her assumed character. She planned to write a book about her experiences. Except for kind service from "negros," she found that "Far from being the hospitable nation which it claims to be, America is apt to take advantage of the immigrant on every occasion."

November 12, 1932

For the previous school year, 8,175 people were registered in the University's correspondence study department. Registrants represented 35 states, the District of Columbia, Alaska, and the Philippine Islands and three foreign countries: India, Canada, and Jamaica.

November 18, 1933

The University Farm developed and improved 37 varieties of tree fruits and small fruits. Their outstanding contribution was the Latham raspberry, which made Minnesota the third biggest raspberry-producing state in the nation. The income to Minnesota raspberry growers each year from the Latham variety alone represented between two and three times as much money as the state had ever spent for fruit breeding.

May 12, 1934

"Traditions come and traditions go, but the annual spring pajama parade went too far this week," the *Alumni Weekly* reported. "This traditional nocturnal prowling has usually been confined to a relatively small area in the vicinity of Tenth Avenue and Sanford Hall. This year, however, the boys trekked across the campus to the new Nurses' Hall and caused considerable confusion in that sector. The police and firemen confined their protective activities to the Tenth Avenue area and were not prepared to stem the advance on the nurses' residence." The day following the parade, the *Minnesota Daily* in a front-page editorial urged the dis-

continuation of the pajama march tradition.

April 13, 1935

Approximately 2,000 University students, joining in a national student antiwar demonstration, gathered in front of Northrop Memorial Auditorium. The meeting was not sanctioned by the U and was attacked by the *Minnesota Daily*. But the principal speaker was Governor Floyd B. Olson, who said that his attitude toward military drill had at one time caused his expulsion from the University.

July 1937

The *Alumni Weekly* recalled the school days of Minerva Smith Dunn, the first female student at the University, who returned for Reunion Day. Smith registered in 1869 and took a boat to get to campus because no streetcar ran near her south Minneapolis home. But her long dresses got so damp from the grass by the river that she and other women who would eventually register at the U bought a pony and cart to make the trip. Smith was at the top of her class when she was forced to leave school because of trouble with her eyesight.

February 5, 1938

The Board of Regents voted 8-1 to pass a resolution clearing the name of political science professor William Schaper, whom the 1917 regents had dismissed on charges of disloyalty because he was opposed to the entrance of the United States into the World War. Schaper could not find another college faculty position until 1925. The resolution made Schaper professor emeritus, authorized payment of \$5,000 in compensation for the loss of his 1917-18 salary, and included a statement about academic freedom to serve as a guide in future cases.

January 14, 1939

Four alumni sharing an apartment in New York City all took the name "Zzyzo" so as not to clutter the already oversized telephone directory with their individual names. This gave them the final listing in the directory. "In addition to being a novelty," the *Alumni Weekly* reported, "it was a decided convenience to any friend who might have to look



JULY-AUGUST 1954

THE UNIVERSITY'S BRAIN CANCER DETECTION DEVICE WAS PART OF A STORY ABOUT HOW U RESEARCH FACILITIES DRAW TOP FACULTY.

their number up in the telephone book." Bob Ripley heard about the Zzyzo men and had them as guests on his *Believe It or Not* network radio program.

March 4, 1939

A newly formed group of "150 per cent Americans," whose purpose was to combat student communists and their activities on campus, nearly crumbled in its second meeting when the president found that his lieutenants were Marxists. The lieutenants, however, declared they were as patriotic as the president. "The matter will be ironed out in the another meeting," the *Alumni Weekly* reported. "They have yet to decide by what device or devices a 150 per cent American may be measured."

December 14, 1940

Regents failed to approve a student hitchhiking club, so the group reformed as the Student Travellers' Alliance. The organization planned to work to make hitchhiking legal for those with a special license. Alliance members would be registered, fingerprinted, and provided identification cards and armbands to be worn when hitchhiking.

December 13, 1941

Ira Weil Jeffrey ('39) was killed in the December 7 surprise attack on Pearl Harbor, becoming the first known Minnesota casualty of World War II. "Let the University bow the head and bend the knee in memory and eternal pride for its son, Ensign Ira Weil Jeffrey, who rushed to his country's colors in time of national danger and had given his life when the smoke had cleared from the first bombs that fell in time of war." It was later reported that 568 alumni died while serving in the armed forces during the war.

October 1943

"Girl cheerleaders have become part of the Saturday afternoon scene in Memorial Stadium," the *Minnesota Alumnus* reported. Women were also in the marching band for the first time, replacing men who had been called to service in World War II. The female cheerleaders apparently stayed part of the campus scene, but women were removed from the marching band after the war and given their own "Girl's Band" in 1950. It was not until 1972 that the marching band would again admit women to its ranks.



DECEMBER 1954

A FIVE-YEAR-OLD GIRL WAS READY TO PLAY SHORTLY AFTER A REVOLUTIONARY HEART OPERATION BY DR. WALT LILLEHEI DURING WHICH HER FATHER'S HEART BEAT FOR HERS.



JANUARY 1953

TRIPLET BULLS TOM, DICK, AND HARRY (RIGHT TO LEFT) AIDED NUTRITIONAL STUDIES AT THE U'S TWIN AND TRIPLET RESEARCH PROGRAM ON THE ST. PAUL CAMPUS.



MARCH 1955

NEW YORK TIMES CORRESPONDENT HARRISON SALISBURY (B.A. '30) (RIGHT) AND CBS CORRESPONDENT ERIC SEVAREID (B.A. '35) BOTH RECEIVED THE U'S OUTSTANDING ACHIEVEMENT AWARD. PICTURED WITH SALISBURY IS UNIVERSITY VICE PRESIDENT MALCOLM WILLEY.



December 1943

"Japanese-Americans may now enroll as students in the University of Minnesota or be employed by the University," although they must first "obtain clearance for the office of the provost marshal general of the United States and a personal security form must be executed," the alumni magazine reported.

March 1945

On his first visit home since being called to active duty in April 1943, Commander Harold Stassen (B.A. '27, J.D. '29), former Minnesota governor, discussed his upcoming mission as part of the U.S. delegation to a conference aimed at creating the United Nations. "The result will not be, and cannot be, entirely in accord with any nation's or any person's individual views," he said. "But [to do] nothing at all would start us on our way along the short road of inaction, to world-wide depressions and to the next and most tragic world war."

April 1945

In a harrowing account, Captain Jack Turnacli (B.A. '42) described the February 1944 landing at Iwo Jima, a Pacific island with an airfield within range of Tokyo. Approaching the beach amid "noise and confusion . . . we all felt very, very small. . . . Mortar shells were bursting to the sides and in the water, and ahead the constant stream of machine gun bullets churned the sand." Gaining shelter on the beach in a shell hole, "I looked around and found I was between a dead Marine and another with blood all over his face. He looked at me and said, 'I guess I lost my fingers.'"

June 1946

College of Agriculture Dean Charles Rogers urged state farmers to plant mint on their "waste peat lands." Mint oils were in great demand as food and drug flavorings. Between \$67.50 and \$210 could be realized per acre at current prices, with no decline in demand seen. "It is the favorite flavor for adults, surveys show," he said.

March 1947

Seven temporary buildings were moving to campus to help handle record enrollments, including more than 16,000 veterans. The University planned to give the buildings abbreviations, but the *Minnesota Daily* suggested more illustrative names. The structure next to Murphy Hall would be "Mrs. Murphy" and one next to Anatomy would be called "The Appendix."

September 1948

"The realization of a long-time dream was achieved on the campus of the University of Minnesota this summer when finished pig iron was produced for the first time in history from the taconite rock which is available in such abundance in Minnesota's Iron Range area." Professor E.W. Davis's project "carries great and vital significance for the future of the iron ore industry of the state and the steel industry of the nation."

October 1949

In a broad discussion of communism on campus, *Minnesota, Voice of the Alumni* carried several comments. President James L. Morrill: "[College presidents] find themselves harassed by a rash of stultifying teachers' oaths, imposed by stampeded legislatures; by textbook witch-hunts in which the aura of thought control and the odor of burning books are plainly evident; by trustees, frightened and forgetful of the true meaning of trusteeship. . . . Will [alumni] also speak out, now, for the institutions of their allegiance? Are they independent minds or the stereotypes of the mass? Will they rise for freedom, or run with the pack?" Alumni Association president Arthur Hustad responded: "[Alumni] know that today in this mad, suspicious world their university and universities everywhere—the last strongholds of freedom of thought—are under the singular attack of a sweeping hysteria by segments of our own democratic people. . . . [We] will defend to the last by vigorous and united action the right of the University for 'the opportunity to face the issue in the spirit of the university itself.'"

November 1950

The alumni magazine took up the issue of whether Gopher football games should be televised. While alumni backed the idea—including because the state's youth should watch Minnesota football and not some other team—the editors wrote: "all indications . . . seem to show that TV will definitely result in a smaller attendance and, therefore, a lessened income." Since the gate receipts from football supported all the other intercollegiate athletic programs at the time, the entire objection was financial.

December 1950

Two faculty members in the University's medical school at the Mayo Foundation, Rochester, were the first University or Mayo Foundation staff members to receive a Nobel prize. Dr. Philip Hench (M.S. '31), professor of medicine, and Dr. Edward C. Kendall, professor of physiological chemistry, won the 1950 Nobel prize in medicine for their contributions to the discovery of the hormones ACTH and cortisone and their successful use in treating rheumatic fever, rheumatoid arthritis, certain eye defects, and other diseases.

December 1951

In a case that drew national attention, W.L. Sholes (B.A. '22) requested a court order banning religious activities on campus. "[I]ronical, to say the least," said an editorial, "when one remembers that only a few years ago many alumni were prone to believe the University to be a Goddess place." The district judge denied the request, and the alumni magazine reassured parents that "on entering the University a boy or girl has every opportunity to follow the dictates of his or her religious training or background."



OCTOBER 1963

JERRY PELLETIER, THE SMALLEST GOPHER AT 5-8, 158 POUNDS, RAN UNDER THE OUTSTRETCHED ARM OF CARL ELLER, THE LARGEST, WHO STOOD 6-5 1/2 AND WEIGHED 241 POUNDS.

November 1954

In a tongue-in-cheek article titled "Minnesota's Mass Murderess," the writer described Mabel (Hodnefield) Seeley (B.A. '26), as "a diminutive, soft-spoken person . . . who is quite cold-hearted and conscienceless, almost indifferent, about the trail of blood she's left behind." Mabel Seeley was not a murderess but the author of several successful murder mysteries published between 1938 and 1954.

February 1955

"The U of M has swung entirely too far to the 'left' to receive any further support from me. The shade of the whole set-up over there is now deep 'pink.'" This excerpt of a letter from an anonymous alum provoked a strong response by the editor: "[H]e was unwilling to sign his name. . . . it could very easily be that he is . . . lying about being a Minnesota alumnus. And in a case like this, it is just as strongly libelous for him to claim to be a product of the University of Minnesota as it is for him to imply that the University itself nurtures subversion."

November 1955

Ethel and Albert, a popular NBC-TV situation comedy in the '50s, was written by Peg Lynch (B.A. '37), who also starred as Ethel. In an article about herself, Peg wrote: "Friends have fondly referred to me as a 'triple threat' because I wrote the series, act in it, and maintain a normal family home life. . . . I don't seem to be 'acting' . . . I do what comes naturally, which is all the average housewife does."

November 1956

An inexpensive plastic lung to keep patients' blood oxygenated during heart surgery was developed by a team of University surgeons. "The new lung can be mass-produced for about \$15 and will spread the possibility of heart surgery from a few heart centers to any hospital equipped for major operations."

December 1957

When the Soviet Union launched *Sputnik* in 1957, University scientists' thoughts turned to space travel and several all-important questions: How is one going to return to the earth's atmosphere? How can the returning spaceship keep from melting like wax under a flame? How can a manned rocket be sent to the moon? "Current manuals on space travel omitted the chapter on how to get home," said the alumni magazine, "and volunteers are likely to be few for a one-way trip."

April 1958

"A 60-foot, 17-ton computing machine to be installed on campus will enable the University to do in five minutes what used to take people 150 hours. This computing giant is destined to revolutionize the world of statistics as machines revolutionized the world of labor."

February 1959

A medical school alumnus was becoming one of the nation's foremost experts on children's books, Irvin Kerlan (M.D. '34, M.P.H. '38), "is a book collector's collector of such painstaking reconnaissance as to have amassed, within 12 years, more than 8,500 bound volumes of illustrated children's books, 99 percent of which are first editions. The bulk of this collection . . . is now a permanent part of the U of M libraries."

November 1960

Minnesota track coach Jim Kelly was overwhelmingly elected to coach the U.S. track squad in the 1956 Melbourne Olympics. Deluged with charges that it was making the trip for the fun of it and expected to be outmatched by the Soviets, the U.S. team collected the greatest number of gold medals any team had ever won since the revival of the games in 1896.

January 1961

An article on the Minnesota Plan for Continuing Education for Women explored ways of bridging the gap between college graduation and the long period of personal productivity after homemaking responsibilities had diminished. The plan was designed to help women prepare for multiple-role lives, making it possible "to have both but at different times."

January 1964

The *Alumni News* published an excerpt from a Board of Regents statement on academic freedom after demands for an investigation of the U to discover communist influences. The statement read, in part: "The student and the professor must live in an atmosphere where questioning is encouraged; where every alternative can be explored; where their free minds may be allowed to test the validity of each idea, and where they feel free to follow wherever truth may lead. Such a free atmosphere is not merely necessary to university freedom; it is also the way of life which we have a right to associate with America."



MAY 1964
A PROFILE OF CARL ROWAN (M.A. '48), NEWLY APPOINTED HEAD OF THE UNITED STATES INFORMATION AGENCY, "ONE OF THE HIGHEST GOVERNMENT JOBS EVER HELD BY A NEGRO," REPORTED THAT, AT 38, ROWAN HAD ALREADY BEEN A PRIZE-WINNING REPORTER AT THE MINNEAPOLIS TRIBUNE, AN OUTSPOKEN STATE DEPARTMENT OFFICIAL, AND A POPULAR AMBASSADOR TO FINLAND.

December 1965

Student protests against U.S. participation in the Vietnam War prompted a statement of support from the University chapter of the American Association of University Professors. The statement included this observation: "The American student, so often criticized for excessive conformity, is now considered excessively demonstrative. The American ideal of freedom has lately been re-defined by some as the freedom to utter majority opinions only." It went on to say, "Free discussion of unpopular views and organized action in support of those views is not only fundamental to intellectual freedom but is a valuable asset to the development of students as citizens."

February 1966

Gopher men's basketball star Lou Hudson did not allow a broken arm to keep him from playing in an important game against Indiana. With his right arm, wrist, and thumb in a cast, Hudson entered the game when the Gophers were down 13-9 and proceeded to lead a comeback. He came off the bench two more times when the Gophers fell behind to give his team the lead and eventually the win, 91-82. With his left hand, Hudson scored 20 points and made 10 rebounds. "It was truly one of the greatest displays of athletic ability and determination I have ever seen," said coach John Kundla.

May 1967

"Educators and alumni alike are casting anxious eyes westward, watching with growing concern the activities—and antics—of the new Governor of California and his relationship with higher education," an editor's note stated, as introduction to an article reprinted from the *Los Angeles Times* about California Governor Ronald Reagan, who had drastically cut the University of California's budget. "There is fear that an anti-intellectual political reactionary now governs California and is determined to bring higher education growth to a grinding halt," the article read. "In what other spirit could a public official scorn the uni-



OCTOBER 1968
SENATOR EUGENE MCCARTHY (M.A. '39) FACED VICE PRESIDENT AND FELLOW ALUMNUS HUBERT HUMPHREY IN THE 1968 DEMOCRATIC PRESIDENTIAL NOMINATION.

versities for 'subsidizing intellectual curiosity,' as Reagan did at his last press conference? If a university is not a place where intellectual curiosity is to be encouraged, and subsidized, then it is nothing."

November 1968

The *Alumni News* covered the fallout from a student demonstration protesting the ban of the essay "Student As Nigger" in freshman English courses and the coverage of the demonstration in the *Minnesota Daily*. The front page of the *Daily* included a photograph of a woman holding a sign bearing a four-letter word

and an accompanying article using the same profane word. Hearings by the Board in Charge of Student Publications subsequently considered the editor's judgment and whether the policy statement of editors' duties and responsibilities should be revised in light of changing social attitudes.

February 1969

For three days in January, seven students representing the Afro-American Action Committee took over Morrill Hall to express their dissatisfaction with the administration's response to three demands, one being the establishment of a department of Afro-American studies. Damage was done to the building and some office equipment. Negotiations resulted in an agreement to address the students' demands and the appointment of a 12-member commission to investigate the occupation. In a subsequent issue, the alumni magazine reported that the administration issued a policy statement defining the guidelines for response to disruptive events on campus and affirming support for freedom of thought and expression for all.

November 1969

"In early October, two scientists, three patrolmen and a briefcase carrying one and one-half ounces of rocks and dust from the moon left the Twin Cities International Airport for the University of Minnesota. The lunar samples, carried personally from the space agency's Lunar Receiving Laboratory in Houston, were brought to the University's Space Center by Dr. Robert Pepin, assistant professor of physics, and Dr. V. Rama Murthy, professor of geochemistry, for study."

December 1969

The plight of a one-pound, six-ounce baby whose survival was in jeopardy came to the attention of doctors at University Hospitals who swung into

action. They flew "Tiny Mary" in a specially equipped intensive care unit from Karlstad, Minnesota, to the Anoka airport and then by helicopter to the University. This air-ambulance service was the first of its kind in the nation.

February 1970

Spanish Fly, an alleged aphrodisiac, "is nothing but a urinary tract irritant. If you want to itch all day—go ahead and use it," a University pharmacy student told a class of high-school students. A drug-abuse information program launched by the U's College of Pharmacy placed pharmacy juniors and seniors in high-school classrooms to talk straight to teenagers about experimenting with drugs.

May 1971

Joyce Hughes (J.D. '65), the first African American woman to graduate from the University's Law School, also became the first black person and first woman to join the Law School faculty. "I'm not comfortable about being called the first in such areas when it's really not so much to my credit as to the discredit of society," she said.



JUNE 1971
JOSIE JOHNSON, AN INSTRUCTOR IN THE AFRO-AMERICAN STUDIES DEPARTMENT, BECAME THE FIRST BLACK PERSON ON THE BOARD OF REGENTS.

March 1973

While Twin Cities community leaders discussed and voted on plans to build a domed stadium in downtown Minneapolis, University regents, faculty, and administrators looked at models and sketches of a renovated Memorial Stadium with an air-cushioned dome on top. Four versions of a domed Memorial Stadium were presented to U officials. The "Ultimate Scheme" would cost \$22.5 million and include dropping the playing field by 12 feet, adding telescoping seats at field level, and adding a second tier and VIP seating.

October 1975

The University's Cancer Detection Center received a National Cancer Institutes grant to study the effectiveness of a new test, for blood in

stools, as a widespread method of detecting large intestinal cancer. The study would involve 30,000 participants and take 10 years. At the time, 100,000 new cases were diagnosed annually and the fatality rate was 90 percent.



NOVEMBER 1979

THE U OF M BECAME THE FIRST U.S. UNIVERSITY TO MEET WITH ITS CHINESE ALUMNI AFTER THE PEOPLE'S REPUBLIC OF CHINA FORMALLY ESTABLISHED DIPLOMATIC RELATIONS JANUARY 1, 1979. PROFESSOR OF PLANT BREEDING AND GENETICS DONALD RASMUSSEN (LEFT), MET WITH AN ALUMNUS.

February 1976

University researchers in the Department of Family Social Science found that ghosts were a natural and nearly universal part of grief and mourning. The researchers analyzed descriptions of grief and mourning in 66 cultures around the world and found that almost every group experienced ghosts—seeing what appeared to be the ghost of someone who had died.

January 1978

The *Alumni News* reported that University Student Legal Services, which opened that school year above a bank in Stadium Village, served more than 1,000 students by the end of fall quarter. Funded by student activity fees and handling legal problems that threatened students' ability to attend school, the legal services program had a staff of four lawyers, two paralegals, and five support employees and was the most comprehensive campus legal program in the nation.

January 1978

Arthur Carrizales became the first Minnesota-born Chicano to graduate from the University Medical School. With two undergraduate degrees and a master's degree from other schools to his name, Carrizales was driven to become a doctor after his son was born prematurely with a blood infection.

March 1979

Brubaker, a motion picture starring Robert Redford to be filmed that spring, was based on the experiences of Tom Murton, a former criminal justice professor at the University. Before coming to the U, Murton had been superintendent of the Arkansas State Penitentiary's Cummings Prison Farm in the 1960s when the bodies of three mutilated inmates were unearthed in the prison yard. Murton found that 234 prisoners were missing and thought their bodies might also be buried in the yard. The Arkansas governor fired Murton, so he and author Joe Hyam wrote a book about the buried prisoners, *Accomplices to the Crime: The Arkansas Prison Scandal*. The book brought Murton to the attention of the University, which hired him.

November 1979

The *Alumni News* reported that the U.S. Supreme Court's 1978 "Bakke decision" had little impact on minority enrollment at the University. Allan Bakke ('62)—who earned a degree in engineering, joined the Marines, and later worked for NASA—had been denied admission to a California medical school twice, in 1973 and 1974, even though his scores were better than more than a dozen minority applicants who were accepted. A white male, Bakke sued, charging reverse discrimination. The Supreme Court ruled that admission quotas are unconstitutional and ordered the University of California to admit Bakke. U.S. colleges and universities braced for a flood of lawsuits following the decision, but few were brought. Refusing to grant interviews, second-year medical student Bakke told a friend, "All I really want is to be a regular member of the class. I wonder if I ever will be."



NOVEMBER-DECEMBER 1991

JIM THORNTON (RIGHT) WROTE ABOUT MINNESOTA TWIN RESEARCH AND BEING A TWIN WITH BROTHER JOHN.



MARCH 1980
U.S. REPRESENTATIVE PATRICIA SCHROEDER (B.A. '61) WAS PROFILED IN AN ARTICLE TITLED "HER PLACE IS IN THE HOUSE."

March 1981

A "University Blimp" was proposed as a sort of traveling campus by former architecture assistant professor Gerald Allan. Even with design and construction features allowing up to 300 passengers and living facilities, the blimp would cost about the same as a traditional classroom building, he said. A group called Criteria Foundation, Inc., proposed the project.

June 1981

A call for opinions (in April 1981) on whether the Gopher football team should remain in Memorial Stadium or move to the Metrodome netted more than 100 letters. Those published ran 17-11 in favor of the Dome. A Metrodome proponent cited the old stadium's maintenance needs, while touting the Dome's controlled climate and proximity to campus: "Would any sensible businessman, for example, continue to operate in an outmoded, inefficient, multi-storied building when an entirely new, efficient facility is available not two miles away?" A Memorial Stadium backer pointed to tradition and memories: "I believe fans of Gopher football care about subtler things such as texture, nostalgia, tradition, and beauty of the overall event."

October 1982

On the occasion of his passing, Henry Fonda's two years on the Minneapolis campus were recalled. The Omaha native worked several jobs while studying journalism. "At the end of my sophomore year (1925) I was so exhausted that when they passed out the blue books for the final exams, I just sat in class and drew pictures instead of answering the questions," he is quoted in an excerpt from his biography, *Fonda: My Life*. "That did it! I flunked out of Minnesota." In 1960, when offered an honorary University

degree, Fonda responded that he had done so poorly he would be embarrassed to accept the award.

September-October 1985

Campus rallies and protests spurred the alumni association to poll 300 graduates about divesting University holdings in companies doing business in South Africa. Only 26 percent favored divestment, and only 35 percent felt the U should try to influence companies operating in South Africa. Slim majorities did feel the U should not invest any more money in those companies and should use its shareholder voting power to attempt to influence policy. The margin of error was plus or minus 5 percent.

January-February 1986

Five years after being released from the U.S. Embassy in Tehran, Iran, after 444 days as a hostage there, L. Bruce Laingen (M.A. '49) wrote about fighting terrorism, "Terrorism is evil, wrong on every count. But as was the case in Tehran, its practitioners are usually rational in purpose, their anger born of deeply felt grievances. . . . Until and unless progress takes place in the resolution of those grievances, there will remain those who believe that grievance can be met only by resorting to violence."

September-October 1986

Responding to criticism for having expelled three Gopher men's basketball players later found not guilty of rape charges, University President Ken Keller was direct: "It was never our intent to judge the legal guilt or innocence of [the players]. What we did judge—the only thing we intended to judge—was what kinds of people we want to support financially. [The issue] goes to the heart of what a university can do to uphold its ideals and its values."

September-October 1986

U.S. Representative Patricia Schroeder (B.A. '61) wrote an essay on her proposed Parental and Medical Leave Act: "[The act] would allow the United States to shake itself of a static model of the American family in which the father works and the mother stays at home. . . . No longer will job or economic security be traded against the needs of the family."

November-December 1988

U.S. chief arms negotiator Max Kampelman (M.A. '46, Ph.D. '51) was profiled one year after getting the Soviet Union to agree to mutually eliminate intermediate-range nuclear forces. Asked what made the job so tough, he responded: "The stakes. They're all important issues of national security, national interest—conceivably, the national survival. That's a big burden."

March-April 1989

Professor Alfred Nier (B.S. '31, M.S. '33, Ph.D. '36) and his former student Edward Ney (B.S. '42) worked on the physics of the uranium atom for the Manhattan Project, which result-

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ed in the atomic bombs dropped on Japan. Forty-five years later they both felt building, and using, the bomb was the right thing to do. "In an invasion of Japan, American casualties would have run into the hundreds of thousands, and Japanese casualties would have been even higher," Nier said. "Knowing they had a weapon that would end the war in a few days, how could the government not use it?" Nier said the development of nuclear weapons was inevitable and it was important for the United States to get there first: "If you are going to blame anyone, blame nature. If you can do something, somebody will find out how."

November–December 1989

Andrea Salo, a University exchange student in China, marched on Tiananmen Square with thousands of Chinese students at the start of the student uprisings there. She returned to Tiananmen Square later in May, just days before soldiers killed hundreds of protesters. She found a scene that had been jubilant turning tired and divisive. "The students were ready to go home; they were ready to quit," she recalled. "But they couldn't go home because they hadn't gotten anything from the government yet. . . . The movement was falling apart."

March–April 1990

In the cover story, former U.S. Vice President Walter Mondale (B.A. '51, J.D. '56) said he was concerned about actions to restrict access to the U of M. "You never know what a young person is going to do or what their potential is," he said, counting himself among those who might have been excluded under a tighter admissions policy. "When I went to the University, I thank the gods they weren't focusing, because I seriously doubt I would have made it if they had."

January–February 1991

In a profile in *Minnesota*, AIDS expert Paul Volberding (M.D. '75) said that on his first day of work at San Francisco General Hospital in 1981, he saw one of the first diagnosed cases of AIDS. By 1991, Volberding had become one of the nation's most respected and compassionate authorities on the disease.

March–April 1993

Former University president Ken Keller, who was pressured to resign in 1988 when the local media ran stories about extravagant renovations made to the president's residence, told his side of the story in a profile chronicling his rise and fall at the U. "I made a lousy judgment that the president could run the University with a board that was not unified behind him," he said. "Well, he can't."

July–August 1994

In a profile titled "The Devil's Advocate," Polly Nelson (B.A. '76, J.D. '84) discussed her work as the defense attorney for serial killer Ted Bundy, who was executed in 1989. She worked on Bundy's case for

three years and then took the next three years off to pull her life back together. The article included copies of thank-you letters Bundy wrote to Nelson. "People ask me how Ted could live with himself because he seemed to have this other side that wasn't violent," she said. "He mostly wasn't able to. He was horrified that he had done those things."

July–August 1996

Minnesota analyzed the struggle between faculty members, administrators, and regents to revise the tenure code. "If you can't cut your costs because they emanate to a large degree from nonremovable expenses—namely, tenured faculty with no mandatory retirement provision—then it's a short walk from there to the conclusion that you can't renew the institution," said regent Jean Keffler.

November–December 1998

Former mechanical engineering professor Ed Anderson (Ph.D. '55) was interviewed about his 30-year mission of championing personal rapid transit (PRT), an above-ground, automated mass-transit idea he developed. Anderson believed PRT technology, whose patent is owned by the University of Minnesota, would solve the world's transit problems, but the idea never caught on. "The light rail people here had managed to block any serious consideration of PRT in Minnesota," he said.

September–October 1999

In the article "Research, Respect, and Race," *Minnesota* explored the challenge the University faces in recruiting and retaining faculty of color. "People of color on this campus often feel alienated socially and intellectually. There are many instances of hiring people of color who are the lone person—not only in their racial or ethnic group, but in their field of study," said John Wright, associate professor of Afro-American and African studies.

January–February 2000

Minnesota devoted an issue to celebrate the grand opening of the alumni association's first campus home: the copper- and granite-clad McNa-

mara Alumni Center. "This is the first place people can associate with an all-University feeling versus their own little college or big college," said Dale Olseth (B.A. '52), who led the private fund-raising. "We've never had a place those people can call home, and this will become a home now."

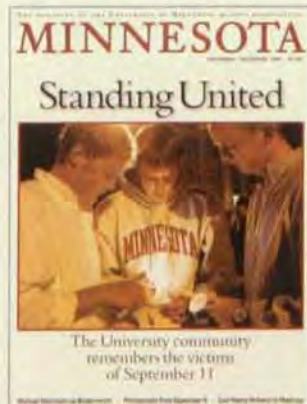
May–June 2000

Retired University professor Geneva Southall wrote her third book about Blind Tom, a slave pianist-composer who was exploited throughout his life. "I found out how much money Blind Tom earned—as much as \$100,000 a year. And the Bethunes [who indentured him] kept it all," she said.

September–October 2001

Minnesota featured Mizna, a journal of Arab American expression, and its founder, Kathryn Haddad (M.L.S. '00). "The fact that we are misunderstood affects people's lives at a very basic level," she said. "People think it's OK to bomb Iraq because the people there are nameless, faceless 'terrorists.' There's nothing that would drive an Iraqi writer more than the need to give . . . some humanity to who you are."

Shelly Fling is editor of Minnesota. Chris Coughlan-Smith is senior editor. Tom Garrison, Gina Kennedy, Mike Lee, and Evelyn Cottle Raedler contributed to this article.



NOVEMBER–DECEMBER 2001
THE UNIVERSITY REMEMBERED
THE VICTIMS OF SEPTEMBER 11.



JULY–AUGUST 2000
DR. KAREN HSHIAO
ASHE IS A LEADER
IN ALZHEIMER'S
RESEARCH.

On the Cover

Page 1, row 1: John S. Pillsbury statue, Oct. 21, 1901; first U graduates Warren Clark Eustis and Henry Martyn Williamson, Jan. 30, 1911; portrait of first U president William Watts Folwell, Feb. 20, 1923; punter Captain Ascher, Sept. 30, 1925; track team captain Bob Hubbard, Mar. 19, 1938; football coach Bernie Bierman, Oct. 21, 1939.

Row 2: graduate Winnifred Ann Peterson, May 31, 1941; students Patricia Thurston and Gerald Michaelson with Ferdinand, Mar. 1949; Harold Stassen, Apr. 1950; scholarship winner Royal Hayden, Jan. 1952; South Korean educators, Mar. 1956; presidential speechwriter Malcolm Moos, Jun. 1959.

Row 3: girl in the Institute of Child Development, Feb. 1961; Hubert Humphrey, Oct. 1968; Nobel laureate Norman Borlaug and U president Malcolm Moos, Dec. 1970; U.S. Olympic men's hockey team, Apr. 1980; basketball player Randy Breuer, Mar. 1982; writer Patricia Hampl, Apr. 1982.

Row 4: U president Ken Keller, Special Issue 1985; Garrison Keillor, Sept.–Oct. 1985, from the Black Studies Collection, Jan.–Feb. 1986; entrepreneur Curt Carlson, Sept.–Oct. 1986; Hmong farmer, May–Jun. 1987; muralist Richard Haas, Sept.–Oct. 1987.

Row 5: UMM vice chancellor Elizabeth Stanton Blake, Jul.–Aug. 1988; Hong Kong businessman Richard Leung, Mar.–Apr. 1989; U president Nils Hasselmo, May–Jun. 1989; football player Darrell Thompson, Sept.–Oct. 1989; Walter Mondale, Mar.–Apr. 1990; head of civil servants in Bush administration Constance Berry Newman, Nov.–Dec. 1990.

Row 6: children's advocate Luanne Nyberg, Mar.–Apr. 1991; baseball Hall of Famer Dave Winfield, May–Jun. 1991; gymnasts Marie and John Roethlisberger, Sept.–Oct. 1991; twins study subjects Jim and John Thornton, Nov.–Dec. 1991; pharmacist Ozoemena Eneanya, Jan.–Feb. 1992; four students on diversity, May–Jun. 1992.

Page 2, row 1: U.S. Rep. Pat Schroeder, Nov.–Dec. 1992; ethicist Arthur Caplan, Mar.–Apr. 1993; former regent Josie Johnson, May–Jun. 1993; Weisman Art Museum, Sept.–Oct. 1993; author Thomas King, Nov.–Dec. 1993; Medtronic chair Win Wallin, Mar.–Apr. 1994.

Row 2: student advocate Tim Wolf, May–Jun. 1994; Ted Bundy's defense attorney Polly Nelson, Jul.–Aug. 1994; attorney Cheryl Thomas, Nov.–Dec. 1994; urban designers Catherine Brown and William Morrish, Jan.–Feb. 1995; surgeon Sara Shumway, Mar.–Apr. 1995; medical student Luis Salazar Bolding, May–Jun. 1995.

Row 3: running back Chris Dinkins, Sept.–Oct. 1995; meningitis survivor Ryan Pitt, Nov.–Dec. 1995; U.S. Rep. John Linder, Jan.–Feb. 1996; Nobel laureate Edward Lewis, Mar.–Apr. 1996; restaurateurs Susan Muskat and Tracy Singleton, May–Jun. 1996; tennis player Alice Rangsthenchai, Sept.–Oct. 1996.

Row 4: U police chief Joy Rikala, Nov.–Dec. 1996; student Kenna-Camara Refined Earth, Jul.–Aug. 1997; U president Mark Yudof, Sept.–Oct. 1997; Magnetic Poetry founder Dave Kapell, Mar.–Apr. 1998; actor Kimberly Elise, Jan.–Feb. 1999; Orville Freeman, Mar.–Apr. 1999.

Row 5: hockey coach Don Lucia, Sept.–Oct. 1999; alumni volunteers Dale Olseth, Larry Lauck, and Fred Friswold, Jan.–Feb. 2000; U associate Judy Yudof, Mar.–Apr. 2000; Green Lizard founders Ryan Moore, Tom Kleinschmitt, and Lance Schlingen, May–Jun. 2000; animal rescuer Deanna Krantz, Jul.–Aug. 2000; civil rights and labor activist Mildred Jeffrey, Nov.–Dec. 2000.

Row 6: psychotherapist Lyly Rojas de Knaus, Mar.–Apr. 2001; artist and pediatrician Dr. Robert Fisch, May–Jun. 2001; medical student Kristine Olson, Jul.–Aug. 2001; basketball coach Brenda Oldfield, Sept.–Oct. 2001; stem cell researcher Dr. Catherine Verfaillie, Jan.–Feb. 2002; law researcher John Powell, Mar.–Apr. 2002.

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MINNESOTA TURNS 100

Fast Forward: SUR Research Shapes the Future

For the past century, the alumni magazine has reported on breakthroughs and advances made by University of Minnesota researchers and described how those accomplishments would improve the lives of Minnesotans and people around the world. Our gaze now turns toward the future. We wondered what University discoveries *Minnesota* might cover in the next five, 10, or 20 years. So we asked today's University experts about where faculty research might lead and what challenges they will face.



By Joel Hoekstra | Photographs by Mark Luinenburg

Drugs for Everything

The mapping of the human genome—though still incomplete—has set the stage for a 21st-century revolution in a variety of fields, from medicine and manufacturing to ethics and patent law. Colin Campbell, associate professor of pharmacology, believes new, better, and perhaps individually targeted drugs will be among the eventual results:

“The development of new drugs is going to explode in the years to come. We’re going to see more and more drugs for more and more conditions, and we’re going to begin treating things with drugs that we once thought were untreatable.

“This is a good and bad thing. What if we figure out how to make people smarter? Will people who can afford these drugs end up with smarter kids? What about personality? We already control sociopathic personalities with drugs. Once we learn more, in principle we could start impacting intelligence, personality, maybe even looks. We already know how to modify growth prenatally, making babies bigger, so why not learn how to make your kid really handsome? We’re going to run into issues that straddle the line: Is this therapeutic, or recreational, or cosmetic application of drugs?”

A Sea of Possibilities

Many medicines are produced from chemical compounds found in terrestrial microbes. But what about bacteria found in the ocean? David Sherman, professor of microbiology, is among those plumbing the depths off Fiji, Madagascar, and Panama for answers. Natural chemicals produced by tiny ocean organisms may someday help fight cancer and other diseases:

“Until recently, there’s been very little characterization of the bacteria that live with other animals like sponges and coral. The amount of microbial life in a reef is phenomenal. We’re beginning to realize that there is a huge number of marine bacteria and fungi that are waiting to be discovered, studied, and analyzed for new chemical compounds that have pharmaceutical value.

“We’re still learning how to culture



Stopping HIV in Its Tracks



Along with DNA sequences, our understanding of how genes work and mutate is growing. Karin Musier-Forsyth, associate professor of chemistry, is capitalizing on that knowledge in her search for ways to combat HIV, the virus that causes AIDS:

“HIV is a retrovirus, meaning its genome is an RNA type. The human genome is DNA, so when HIV infects a cell it has to convert its RNA into double-stranded DNA before it can be integrated into the human genome. That process is called reverse transcription, and a protein that we’re studying, nucleocapsid, is critical to that step.

“Currently there are just two HIV proteins that are targeted by drugs used in combination drug therapy, and there’s the problem of drug resistance. So our hope is that understanding how this nucleocapsid protein functions at the molecular level may help us develop new drugs for counteracting the spread of HIV within the body.”

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Todd Klingel, '75, Journalism
Executive V.P., Minneapolis Downtown Council

When urban champion and lounge lizard Todd Klingel became a UMAA member in '96, it brought back great memories of being at the U. "One of the strongest influences was working at the *Minnesota Daily*. I'm still friends with many of the people I met there." He realized that contributing financially would help ensure that today's students had similar experiences. Todd, now makes regular undesignated gifts, so that funds are used where need is greatest.

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these bacteria in the lab. But it's a gold mine for microbiology. And it has incredible potential for other fields: The biomedical applications are huge, but there may also be industrial applications, the potential for new adhesives or new materials."

In-Vitro Evolution

Speeding up evolution may allow us to invent new natural products, says Claudia Schmidt-Dannert, assistant professor of biochemistry, molecular biology, and biophysics. She's employing evolution techniques to "do what nature did over millions of years" to microorganisms—but in a test tube. The resulting gene variants can then be screened for new properties and functions:

"This technique enables us to produce complex natural products that may not be made in nature, or if they are made, they are typically found in very small quantities. Take, for example, carotenoids. These compounds are very strong antioxidants that have been shown to prevent cancer. They have tumor-suppressing abilities, but they cannot be made chemically. In nature, there are many types of carotenoids, but only six types can be produced commercially and only in small quantities. We would like to create new carotenoid structures that can be used by researchers looking for ways to prevent or treat cancer."

Baby's First Brain Photo

A better understanding of how babies' brains work may someday allow doctors to diagnose and treat maladies at an early age. Currently, wiggly infants make poor candidates for magnetic resonance imaging (MRI)—the most common method for measuring brain activity. But Charles Nelson, professor of child development, and his colleagues are recalibrating MRI technologies to offer clearer snapshots of what goes on in a baby's head:

"There are countless numbers of children who suffer from various and sometimes subtle insults to the brain who will subsequently go on to develop problems: learning disabilities, autism, psychopathology, speech and language problems. The earlier you can figure out if a child is going to fall off a normal developmental

trajectory, the earlier you can intervene. And the more sensitive our instruments, the more precise we can make predictions about the course of development and about the nature of the potential disorder.

"For example, can I look at a four-month-old and know if that child has suffered damage to that part of the brain that underlies memory? If so, I might deduce that the child is at risk for a memory disorder when he or she gets older. And I might develop an intervention that can be applied early on—much earlier than we might intervene now."

Enriching Foods Naturally

While some future crops will be genetically modified, Gary Gardner, professor of horticultural science and coordinator of the Center for Plants and Human Health, believes the nutritional and disease-fighting properties of natural foods can be boosted through smarter agricultural production. Better lighting or temperature controls, for example, might spur the growth of cancer-preventing glucosinolates in watercress:

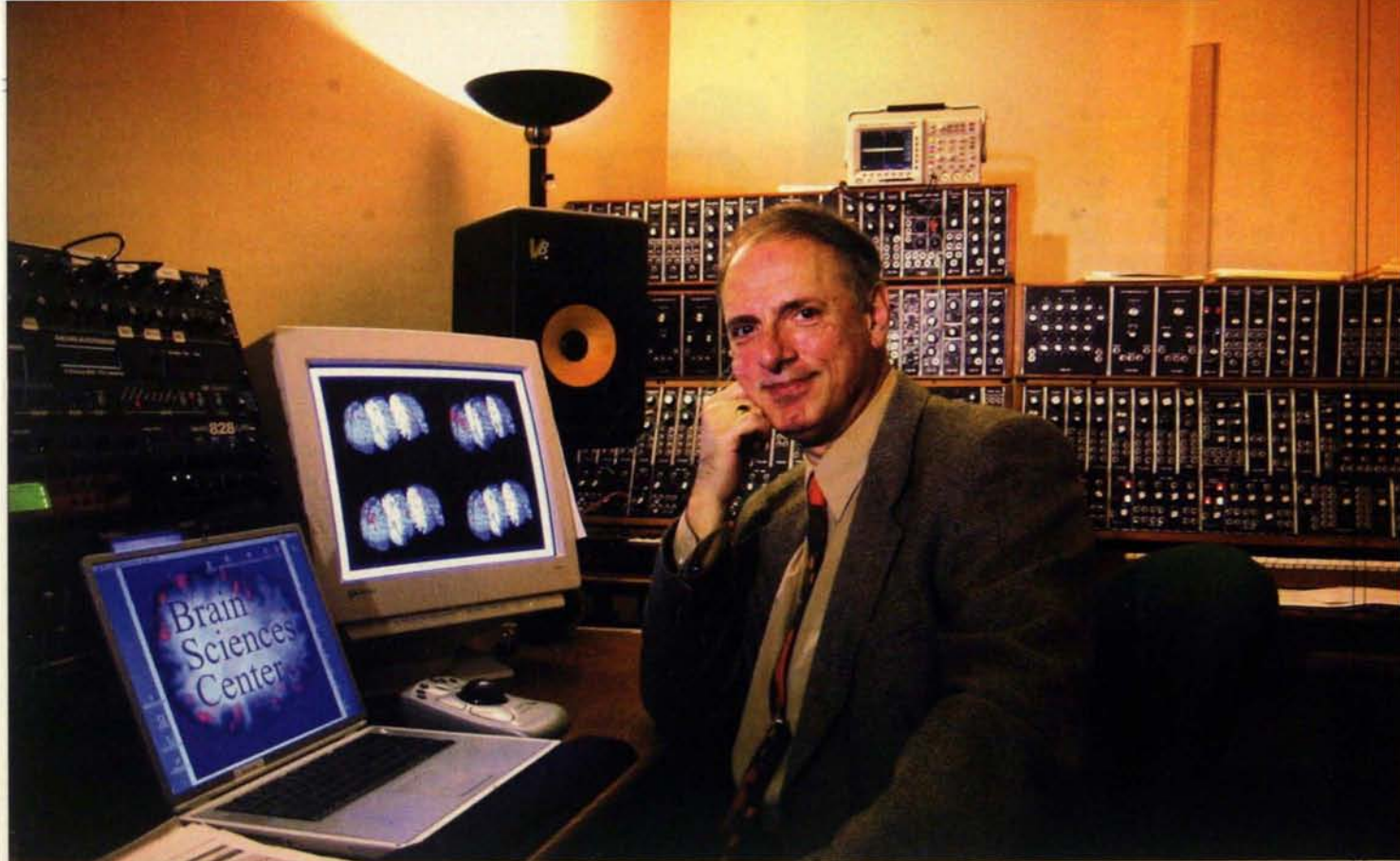
"We're not looking for a magic pill. We want to find out how can we enrich the concentration of these compounds in foods you already eat so that what you eat is certifiably healthier for you in prevention of disease.

"The good news is, since watercress is a greenhouse crop, its production can be varied on a commercial scale quite easily—you can change the lighting conditions, the temperature, the water conditions—so if our tests are successful, there's no barrier to selling it: Consumers won't worry, because it's not chemically treated or genetically modified."

Stunting the Growth of Fertilizer

Soybeans, as well as navy beans, peas, and forage plants like clover and alfalfa, are already fueling ideas about reducing fertilizers' role in agriculture. Such legumes, says Kathryn VandenBosch, professor of plant biology, have a symbiotic relationship with a common bacterium that affects the plant's development and nutrition:

"The bacteria infect the roots and live



Brain-Powered Prosthetics

Brain science could soon offer amputees a brighter future, according to Apostolos Georgopoulos, professor of neuroscience. Integrating multiple technologies, he is analyzing brain functions associated with nonverbal and cognitive behaviors found in humans and monkeys—such as grasping objects, solving mazes, and constructing objects:

“One immediate potential application of this research is using brain signals to control prosthetic devices. That’s especially important for amputees. If you lose a hand or an arm, you lose a certain amount of

motor function. Early on we found out how populations of cells can control these motor functions, so now the thrust in some laboratories is to directly detect signals with microelectrodes implanted in the brains of amputees, so amputees can control these devices directly. Major work on this is already being done in monkeys, whereby in real time the animals can control the prosthetic device. The question now is what type of electrical implant could be used in humans without damaging the brain? I’d say this kind of advance is roughly five years away.”



within the plant’s cells, where they’re able to take nitrogen gas from the atmosphere and convert it into a usable form for the plant: ammonium. Without added nitrogen, a plant can’t grow, so farmers often spend a lot of money on nitrogen fertilizer trying to enhance plant growth. But because of the bacteria, these legumes can live and grow to maturity with less fertilizer or even without it.

“If we can figure out the genetic trigger for this symbiosis in legumes, it would be a very useful attribute to extend to other plants—one that could reduce the need for fertilizers, as well as their associated costs and their environmental impact.”

Population Growth and Wise Land Use

Within 50 years, some experts predict, the human population will expand by half its current number. More people will require more land, more housing, more agricultural production—carved from rain forests, deserts, and other wild areas. This massive amount of land conversion will impact ecological biodiversity, which often has an impact on the earth’s ability to filter water, cleanse air, and build nutrient-rich soils, says David Tilman, professor of ecology, evolution,

and behavior:

“We’re projecting, for example, that in order to meet a rising demand for meat, we’re going to have to more than double grain production. And that’s going to require that we take from natural ecosystems an amount of land spread around the globe that, in total, will be larger than the land mass of the United States. And if that land conversion is done wisely, we could minimize the loss of biodiversity. We could minimize the loss of services from that land—clean water, retention of soil, moderation of climate—things we get from natural ecosystems. If it’s done unwisely, we could have major loss of



New Traits in Familiar Foods



The genome sequences for three types of plants have already been mapped, and more are coming, says Ronald Phillips (Ph.D. '66), professor of agronomy and plant genetics:

"Plant genetics is undergoing a paradigm shift: In the past we worked on single genes and single traits at a time. But with genomic technologies, we can look at all the genes of an organism at one time and see what genes are controlling particular traits and which ones interact with each other.

"We've gone from the days when, if we wanted

to envision creating some new trait in a plant, we had to know that it already existed in a related plant. Now with our knowledge and the breadth of being able to transfer genes, we can determine what kind of trait might be useful to have in a plant and we can figure out how to engineer it. If we want vitamin A produced in rice, we can think, What will it take to make that? Someday we'll be able to put together combinations that will result in improved nutrition, anticarcinogens, or vitamins in a way that we've never been able to before."

diversity and major costs too. Advances in ecological knowledge will be very important in contributing to wiser land-use decision-making as humans reach their carrying capacity on earth."

Preventing Cancer with Soy

Improved knowledge about food properties may also change how and when we use foods as medicine. Mindy Kurzer, professor of food science and nutrition, is studying soybeans:

"Soybeans are a concentrated source of isoflavones, which probably contribute

to cancer prevention. We know that populations that consume soy, particularly in Asia, have low rates of breast cancer, prostate cancer, and other hormone-related cancers. Most animal studies also show preventive properties.

"There are a few studies that suggest that isoflavones can stimulate tumor growth in animals that already have cancer, so we need to be cautious about recommending isoflavones to people who may already have cancer. We might eventually recommend that preadolescent girls consume soy as a natural part of their diet in an effort to prevent breast

cancer. But the benefits of drinking soy may lessen as women reach middle age."

Handling Ecosystem Havoc

As the world gets smaller, we may face increasing problems from species that hop fences into other ecosystems. Consider the recent history of figs and the wasps that are essential to their pollination. According to George Weiblen, assistant professor of plant biology, ornamental fig trees line many of the avenues in Florida:

"But most are exotic species taken

from India, Africa, and Southeast Asia. Without their pollinating wasps, they can't reproduce. In recent years, however, the wasps have somehow been transported from their native range and found their hosts in Florida. The fig trees have started reproducing, causing native birds to feed on the fruits and disperse seeds into that natural vegetation. What was once a benign ornamental is now a horribly invasive exotic wreaking havoc on forests and wetlands.

"This is a perfect example of how dramatic environmental changes are taking place around us all the time, and no one can predict what's going to happen where. Even botanists in Minnesota have seen species that seemed incapable of growing here 50 years ago now doing well, while plants that were once native to Minnesota are now increasingly rare."

Preserving Lake Superior

Lake Superior contains 10 percent of the earth's fresh water, but we know relatively little about its makeup and natural history, says Robert Sterner (Ph.D. '86), professor of ecology, evolution, and behavior. Its chemistry is shifting in mysterious ways, he adds, but that won't stave off proposals to tap the lake like a faucet as fresh water becomes an increasingly rare commodity around the globe:

"We need to have a basic understanding of the natural history of how this lake works so that we can properly manage it as a resource. Some of these changes that we're seeing may be tied to overall environmental changes related to a warmer climate and greater evaporation of water. There are climate projections that indicate that, with global warming, the outflows at Sault Sainte Marie could dry up and the lake could become a closed basin. That's a low-probability but potentially catastrophic outcome, and those types of outcomes are the hardest things for our society to deal with. Anytime we're talking about 10 percent of earth's most precious resource, we need to be cautious and explore these probabilities."

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Understanding How Viruses Circulate



Craig Packer, professor of ecology, evolution, and behavior, is examining the ecology of infectious diseases in wild animal populations in Africa:

“A lot of dangerous diseases cross species boundaries—HIV being a famous example. Serengeti lions have gotten canine distemper from a rising population of domestic dogs. African wild dogs have almost been eliminated because of diseases they get from domestic animals. River otters in South America have been infected with domestic disease, as has the black-footed ferret. Carnivores seem to be very sensitive to viral infections, so they’re often a very good indicator of the type of pathogens that are floating around.

“We’re taking some fairly well-understood viruses and looking at them to see how they spread from one animal species to another and how they manage to persist despite intervention. But there are other viruses that we don’t even know about, and some of them are pretty scary, like Ebola virus. We don’t know what the natural history of Ebola is. There must be an animal reservoir for Ebola, but nobody knows what it is. We’ve got to have a better understanding of how viruses circulate from one species to another. If we can learn any general rules about holding down some of these viruses, that could be helpful in lessening or preventing their impact on human or animal health.”

our homes, our cars, and even our bodies and store it indefinitely, says Andrew Odlyzko, director of the Digital Technology Center:

“But unlike old data—in the form of movies, books, music, pictures—most of the new data we’re generating will never be looked at. Basically it will be stored and used only if necessary. For example, the data gathered by round-the-clock security cameras around your house isn’t something you’ll want to sort through. You’ll

have an intelligent computer program scrutinize it and catalog it, so that if something unusual happens you can pull up pieces of related information. Similarly, we’ll increasingly have information from biomedical sensors that monitor our health or, say, how our muscles work while playing sports. These sensors will store huge amounts of data that, when downloaded and sorted by a computer, will alert us to potential problems or tell us how to improve our backhand.”

Stores That Don't Store Anything

Advances in interconnectivity will shape how we shop, according to Thomas Fisher, dean of the College of Architecture and Landscape Architecture:

“The ways in which we get goods and services are changing. We no longer need to drive somewhere to look at goods, make a purchase, and transport those products

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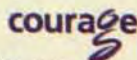
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"In the future, a retail shop may no longer be filled with goods. It could be a place where there are fashion shows, or interactive simulators, or other resources that inform you about goods. It's now cheaper for a company to build a large warehouse in North Dakota and ship goods to you via same-day delivery rather than maintaining on-site storage of products at stores across the country. I think the way we shop and work and live is going to change profoundly because of these changes."

A Nation of News Gatherers

In the wake of September 11, the most gripping accounts were from eyewitnesses with cell phones and video cameras in hand. The news of the future, says Nora Paul, director of the Institute for New Media Studies, will be an amalgam of professional and amateur reporting:

"The tools to capture sound and images and to file a report are essentially now available to everyday citizens. More and more, I think, citizens will be tapped to become part of the traditional media's news reporting. And if people with first-hand information are not invited in, they'll just bypass the regular media and do it themselves, posting reports on Web sites and Web logs. That will have enormous impact for journalists and what they think their role is. They're used to being the ones in authority; they're the ones who tell the story. This collaborative reporting, if journalists let it happen, could be one of the most powerful things to change the media."

Plastic from Plants

Marc Hillmyer, assistant professor of chemistry, is experimenting with plastics made from renewable materials:

"The goal is to be able to make plastic bags, spoons, shirts, or carpets from derivatives of corn or sugar beets. But these plastics have to be able to compete with plastics made from petrochemicals in durability: How can we enhance the properties of renewable resource materials? How do we make them stronger,



Affordable and Healthful Housing

Residential construction is already undergoing a revolution as builders experiment with new materials and different types of construction. Some changes could result in more affordable and more healthful houses, says Mary Guzowski, associate professor of architecture, who is working with colleagues on building state-of-the-art affordable housing in St. Paul's Frogtown neighborhood:

"Oriented-strand board is a building product similar to particle board, but it's much stronger. It's very affordable. It can be made with products that are considered waste in the lumber industry. And the material can be manufactured as jumbo panels as large as 58 feet long by 12 feet high. Holes for windows and doors don't have to be reinforced. And strand-board construction is often less expensive than traditional stud-frame construction. Basically you could build a house out of four walls that are prefabricated off-site and then assembled with a crane on-site. In terms of energy efficiency, building scientists are speculating that these panels—which don't have an air cavity between the inner and outer panels—could be an important innovation in terms of dealing with air quality and thermal control in cold climates. By thinking about design

excellence, environmental responsiveness, and healthy construction, we're trying to bring state-of-the-art technology to bear on the future of affordable housing."



stiffer, and tougher so you can replace polyethylene wholesale with a renewable resource? Ultimately we might take plastic made from these renewable resources and add a little bit of the stuff we make from petrochemicals. That could dramatically change the properties of the material, and by adding varying amounts you could make plastics similar to those found in dry-cleaning bags or milk cartons. The types of plastics used for those two products have almost the same chemical structure, but they have very

different properties. We're hoping our research will impact both areas."

Growing Computer Chips

Improved understanding of biological and chemical processes—and our ability to combine and control them in the lab—will lead to the creation of new synthetics on a nanoscale or molecular level. Andrew Taton, assistant professor of chemistry, wonders if someday we'll grow computer chips:

"Computer chips continue to get smaller and smaller, but eventually our ability to chip away at silicon will be limited by the size of the chisels we can create. So one thing scientists are interested in doing is taking a completely different approach and making computer chips from the bottom up. Of course, biology is very good at assembling things on the nanoscale level. So the question that material scientists are asking is: Can we use the programmability of biological molecules to help us organize nanometer-sized objects into complex arrangements? Can we tell a bunch of 10-nanometer-sized metal dots to arrange themselves into a circuit? We want to use the programmability of biology and our synthetic control over organic and inorganic materials to develop ways of analyzing biological systems to make new unnatural materials for technological applications."

Mapping Mountains of Information

Advancing technology will allow people to collect an overwhelming amount of information about places, systems, and behavior. But extracting actual knowledge from oceans of detail will also become easier—thanks to maps and new graphic representations of complex ideas, says Janet Abrams, director of the Design Institute:

"We're interested in the notion of mapping, meaning the gathering and representation of bodies of knowledge. Those may be relating to physical terrain or more conceptual territory—for example, a map of the Midtown Greenway in Minneapolis or a 'map' of the voting system in Minnesota. Maps can be charts or information graphics. They may assemble kinds of information that may not necessarily be physically adjacent. We may, for example, build a three-dimensional map of the University. The knowledge that can be had of any community is almost infinite, but we need an information substructure that allows us to access different slices of that culture or data." ■

Joel Hoekstra is a Minneapolis-based freelance writer and editor.



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Fair Play



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University of Minnesota women showed an interest in a wide variety of sports in 1931.

Since the enactment of Title IX legislation 30 years ago, women's intercollegiate athletics has exploded. Today, at the University of Minnesota and elsewhere, women and men who wish to participate in intercollegiate athletics have nearly equal opportunity to do so. While few dispute the good Title IX has done for women and girls, however, gender equity can come at a high price. Three decades after its passage, the landmark legislation—and how it is enforced—is as controversial as ever. By Burl Gilyard



Gopher swimming coach Jean Freeman (B.S. '73) and former student athlete Ann Cahoy (B.S. '01)

The banners attesting to past glories hang high in Williams Arena on the University of Minnesota's East Bank. Images of Gopher basketball greats—Kevin McHale, Mychal Thompson, Jim Brewer, Lou Hudson—flank an unfurled American flag, and streamers memorialize past tournament trips. There's even a banner for longtime Gopher broadcaster Ray Christensen: one more testimonial to the deeds of men. But on this Thursday night in late February, it's an entirely different basketball game: The Gopher women's team is holding

court, hosting the Wisconsin Badgers. Under first-year coach Brenda Oldfield, the Gophers have enjoyed a remarkable turnaround after countless dismal seasons. During the first half, Minnesota struggles, at one point trailing Wisconsin by 11 points. But in the second half, the game becomes a battle. The Gophers pull ahead at the 12-minute mark, bringing the crowd of 7,659 to its feet. The contest intensifies, and when an official calls the third personal foul on high-scoring, heavy-rebounding Gopher freshman Janel McCarville, one woman in the stands menacingly hollers at the official, "What game are

you watching?" Oldfield is an intense torrent of signaling, waving, and shouting as she paces the sideline. The dominant player on the court is point guard Lindsay Whalen, a sophomore standout from Hutchinson, Minnesota, who fires deft assists to teammates, steals a ball or two, and leads in scoring. In the second half, Whalen hits her 1,000-point career mark as a Gopher. At the wire, the game is a nail-biter. Minnesota leads by a thin margin, 76-74, but the Badgers have possession with 12 seconds remaining. The fans are on their feet. As the clock runs out, the Badgers fail to get off a shot before Minnesota recovers the ball. A jubilant wail erupts from the crowd. The band plays the "Minnesota Rouser" as confetti falls from the ceiling onto the euphoric hometown crowd.

During the season, local sports sections began covering the team as big news. At their regular season finale against Michigan State, the Gophers set an attendance record with more than 12,000 fans. The team finished with an 11-5 Big Ten record (22-7 overall), finished the regular season ranked 17th nationally, and advanced to the second round of the NCAA tournament. The squad also racked up Big Ten awards for Coach of the Year (Oldfield), Player of the Year (Whalen), and Freshman of the Year (McCarville). The Associated Press named Oldfield the NCAA Women's Basketball Coach of the Year. Oldfield left in early April to coach the University of Maryland women's team.

The young women on the much-watched Gopher team grew up on basketball. They played the sport in high school and now many play on scholarships at the University. But the current Gophers women's basketball program did not even exist until after the passage of a federal law inelegantly known as Title IX.

Looking back at the newspapers of three decades ago, one wouldn't have guessed that the Education Amendments of 1972 had much to do with sports. The legislation signed into law by President Richard Nixon on June 23, 1972, was seen first and foremost as a sweeping federal aid bill for higher education. Nixon was irked at the time because he felt that Congress had not done enough in the bill to curb school busing. The Title IX section of the law states: "No person in the United States shall, on the basis of sex, be excluded from participation



1935

Physical education classes and sports clubs were women's athletic outlets before the 1970s.



1973

Softball and eight other women's sports became varsity programs between 1972 and 1975.



1974

In 1974, the third-year volleyball program went 31-6-1.



1985

Laurie Kaiser was an early gymnastics star.



1986

Coach Ellen Mosher Hanson led the basketball team to winning seasons in the '70s and '80s.

“In one generation, we’ve gone from a young girl hoping that there was a team to a young girl hoping that she would make the team,” says **Mary Jo Kane, director of the Tucker Center for Research on Girls and Women in Sport.**

in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

While the law made no mention of college athletics, that is clearly where Title IX is most controversial. Studying Title IX is one of the specialties of Mary Jo Kane, professor of kinesiology and director of the Tucker Center for Research on Girls and Women in Sport at the University of Minnesota. “It is one of the most successful pieces of civil rights legislation that this country has ever seen,” Kane says, citing the explosion of women’s sports across the country. “In one generation, we’ve gone from a young girl hoping that there was a team to a young girl hoping that she would make the team.”

Statistics support Kane’s point. When the National Collegiate Athletic Association (NCAA) began tracking sports participation by gender in 1981–82, it counted roughly 170,000 male athletes and 74,000 female athletes—about 70 percent men and 30 percent women. The NCAA’s statistics for 2000–01 show that 58 percent (206,573) of college athletes participating in championship sports were men, while 42 percent (149,115) were women. Title IX also has impacts beyond athletics: Statistics show women earning far more law and medical degrees, for example, than they did prior to Title IX. But while men and women sit in the same academic classrooms, athletics exists in a de facto “separate but equal” world, because the genders don’t compete directly against each other.

That helps explain why, on the law’s 30th anniversary, Title IX remains mired in controversy. While the increase of women’s participation in college athletics is a statistical fact, so is the elimination of many men’s teams during the same period. Wrestling advo-

cates argue that since 1972, 425 collegiate men’s wrestling programs (including at community colleges) have been dropped.

Gopher men’s wrestling coach J Robinson has earned a reputation as the law’s most vocal critic on campus. Robinson charges that the expansion of women’s athletics has led to fewer resources for male athletes like his wrestlers. Robinson doesn’t quarrel over the letter of the law but disputes its current interpretation. “All it is is a quota system,” insists Robinson, who says enforcement of the law “pits men against women.”

The crux of the present debate is this: What’s the best way to measure what is fair for men’s and women’s athletic participation? The U.S. Department of Education’s Office for Civil Rights (OCR) is charged with enforcing the law. The OCR’s 1979 “policy interpretation” of Title IX has set the standard for how schools should comply with the regulation. Under those guidelines, institutions must satisfy one of three tests to demonstrate compliance with Title IX:

1. Demonstrate that opportunities to participate are “substantially proportionate” to the percentage of men and women enrolled at the school.
2. Prove that opportunities are expanding to respond to the “developing interest and abilities” of the underrepresented sex. Or,
3. Demonstrate that “the interests and abilities” of the underrepresented sex “have been fully and effectively accommodated by the present program.”

In theory, the third test means that as long as a school meets the actual demand for athletic opportunities for women, it is in compliance, even if fewer women than men participate in sports.

Kane says that so far, the “proportionality” test offers the most

concrete legal yardstick. “Courts have typically relied on proportionality to determine compliance because the other two standards are very vague,” she says. In fact, a 1996 U.S. Appeals Court ruling found that the “interest” test ignores “the fact that Title IX was created to remedy discrimination that results from stereotyped notions of women’s interests and abilities.”

But the battle drags on. In January of this year, the National Wrestling Coaches Association (NWCA) filed a lawsuit against the U.S. Department of Education charging that the OCR is “effectively mandating the very discrimination that Title IX prohibits.” The lawsuit takes issue with a 1996 OCR clarification of Title IX interpretation, which held that meeting the proportionality test offered “safe harbor” for complying with the law. The NWCA charges that in the name of achieving this gender equity, men’s athletic programs are being cut. The suit seeks to have the three-part test thrown out and replaced with the single measure of athletic “interest and ability.” In early March, the College Gymnastics Association (a men’s coaches’ organization) and the United States Track Coaches Association (which represents both men’s and women’s coaches) joined the lawsuit against the government.

Defenders of Title IX, however, say the law is not the culprit for smaller men’s athletic programs being dropped. Title IX contains no provision that calls for cutting men’s sports. Furthermore, the NCAA’s statistics show 36,000 more men competing in collegiate sports today than 20 years ago. The real elephant in the room, they say, is the expensive “arms race” in sports like college football, where active rosters are twice the size of NFL teams.

Kane insists that athletic directors find it politically safer to

eliminate a smaller men’s team than to trim the football budget: “It is far easier to make Title IX the scapegoat rather than go after a football coach,” she says.

Current battles over Title IX sometimes obscure how much college athletics has changed. Belmar Gunderson came to the University of Minnesota in 1962 as a physical education instructor. She recalls that 40 years ago facilities for women at the University were an afterthought. “We were trying to teach field hockey on a field half the size of a regulation field, and that doesn’t work very well,” Gunderson chuckles.

At the time, women’s athletics at the University were confined to extramural clubs and typically had to pay for their own equipment and uniforms. Requests for equal treatment were usually rebuffed. “I can remember once we had a big tennis tournament; it was always the first weekend in May. We tried to get permission to use Cooke Hall in the event of rain and we were turned down,” Gunderson says. “The men were not very cooperative. They wouldn’t give us one red cent. They didn’t want us using their facilities.” While male athletes had round-the-clock access to practice facilities, Gunderson says, women could practice only on Sunday afternoons.

In this climate, a student named Jean Freeman arrived at the University in 1968. She’d always been a swimmer but never entertained the idea of swimming in college. “When I came to campus I had no idea there was a women’s team,” says Freeman, who saw a flyer posted in Dinkytown promoting the club. “I thought, ‘Who would ever have guessed I could swim in college?’”

Gopher women’s swimming and diving coach Jean Freeman recalls days when practice time and equipment for women were limited: “I remember going to Gustavus and diving off a picnic table for a starting block.”

“We look at this as really doing the right thing, not as a legal obligation,” University Vice President and Chief of Staff Tonya Moten Brown says of adding women’s programs to achieve gender equity. “That has, however, added expense to the budget.”

When Freeman joined the squad, she found that women swimmers could practice only on Mondays and Wednesdays in Norris Hall. “That was kind of the way they treated women’s sports back then,” says Freeman, who recalls swimming in a pool without lane guards or starting blocks. On the road, things were rarely much better. “I remember going to Gustavus and diving off a picnic table for a starting block,” Freeman says.

Freeman and her fellow athletes were ecstatic over the passage of Title IX. “We thought it was just absolutely wonderful,” she says. “We sold T-shirts that said ‘God Bless Title IX’ because we really thought it was going to change our world quickly.”

In 1974 the NCAA tried—and failed—to exclude athletics from the purview of Title IX. The following year the University’s Department of Women’s Intercollegiate Athletics became a reality, with Gunderson as acting director. Sportswriters were still getting used to the idea of women competing in sports. A 1975 article about Gunderson in the *Minneapolis Tribune* described the four-time Wimbledon tennis competitor as “sparkling, feminine, fetching, and frank.”

Today is clearly another era. Freeman (B.S. ’73), who has been head coach of the women’s swimming and diving team since 1973 and whose team won Big Ten championships in 1999 and 2000, says Title IX is producing a different caliber of athlete in women’s sports: “They’ve grown up with having opportunities. That’s part of what makes our teams better now.”

One of those athletes was Ann Cahoy (B.S. ’01). The 23-year-old marketing graduate grew up swimming. By the time she was eight, she was already swimming on a team. “I had an amazing experience in women’s athletics” at the University, Cahoy says, praising Freeman as an inspirational role model.

As Cahoy sees it, her involvement in sports at the University offered lessons that stretch far beyond the field houses. Today, Cahoy works in sales for pharmaceutical company Eli Lilly in Minneapolis. Cahoy credits her athletic opportunities at the University with helping to build her business skills and bolster her self-esteem. Says Cahoy, “My athletic experience is one large part of the confidence that I have today.”

Despite the progress for women’s athletics under Title IX, advocates argue that there’s still a long road ahead to achieving true equity. When Chris Voelz arrived in 1988 as director of Women’s Intercollegiate Athletics, the budget for the University’s department stood at \$2.7 million. “We didn’t have complete coaching staffs; we didn’t have recruiting dollars and travel,” Voelz says. “So in that regard we’ve made a lot of progress.”

For fiscal year 2002, the women’s athletics budget is \$11.4 million, contrasted with a budget of \$20.8 million for men’s athlet-

ics. Various expenses that can’t be attributed to one department or the other bring the overall athletics budget to about \$47 million. The University provides a direct subsidy of more than \$7 million to the women’s department, while the men’s is almost self-supporting, largely because Minnesota has the most profitable basketball and hockey teams in the Big Ten. The University does cover both departments’ costs for maintenance and upkeep, academic counseling, rules compliance and oversight, and other areas. Since Voelz joined the University, women’s teams have been added in soccer (1993), ice hockey (1997), and rowing (2000).

The University’s most recent NCAA Gender Equity Survey, for 2000–01, showed that 52.8 percent of the school’s undergraduates were women, as were 49.2 percent of athletes participating on the school’s varsity teams. In that regard, the University is much more balanced than many other schools. The University currently has 11 men’s varsity teams and 12 women’s varsity teams. New facilities for women’s athletics include a new soccer stadium, a rehabbed softball field, and an in-progress \$20 million hockey and tennis facility (the tennis facility will also be used by the men’s program). “The University made a commitment to grow the women’s program in order to be fair to both genders,” says Voelz. “We’re thrilled about that.”

But sooner or later, sports always seems to come down to money. Title IX does not require that sports programs for men and women be identical, or even that an equal amount of money be spent on both. But, Kane notes, “The key thing about budgets is that it is both a tangible and a symbolic manifestation of a University’s commitment.”

Larger budget concerns loom for both departments. A December 2001 University report noted that only three sports at the U—football, men’s basketball, and men’s hockey—have revenues that exceed expenses. The report found that University support to athletics had increased in recent years for several reasons, including working to satisfy Title IX and provide a strong women’s athletics program. Voelz and men’s athletics director Tom Moe issued a joint statement underscoring their mutual support of Title IX and making the point that “no specific reason in either department” was to blame for budget issues. Moe has stayed out of the Title IX fray and, in a written statement, said he does not want to “create an us against them situation,” preferring to work together to contain costs and increase revenue. (See *Campus Digest*, page 12, for news on changes in athletics prompted by the budget shortfall.)

University Vice President and Chief of Staff Tonya Moten Brown says that the University remains committed to gender equity. “We look at this as really doing the right thing, not as a legal obligation,” says Moten Brown. “We want all of our student athletes to feel valued.” Moten Brown acknowledges that the goal comes with a price tag. “The University’s decision in the past has been to grow our way into Title IX compliance,” instead of cutting men’s programs on the Twin Cities campus. (The Duluth

campus did cut wrestling in 1996.) "That has, however, added expense to the budget," she says.

Wrestling coach Robinson argues that schools like the University of Minnesota are spending heavily to prop up women's sports beyond the level of interest. "We're investing tons of money in women's basketball nationwide and we don't get a return," he says. Per the U's own report (www1.umn.edu/urelate/athleticfriday.pdf), women's basketball showed the largest loss of any sport in fiscal year 2001 (\$1.2 million, although the loss likely will be lower in fiscal year 2002 as attendance quadrupled), contrasted with the wrestling loss of about \$430,000. "We have artificially created this gigantic elephant that's consuming all this money in the name of equality," says Robinson. "How long do we have to incur these million-dollar deficits?"

Robinson points to the University's intramural sports participation data as evidence that men remain more interested in sports. Those figures show roughly 5,600 men competing in intramural sports compared with approximately 3,000 women. Robinson contends that women's sports should evolve and build organically over time: "You have to understand that you can't go from zero to 100 in 10 years. There's a difference between working for it and mandating it."

The issue remains politically charged. President George W. Bush's appointee to head the Office for Civil Rights, Gerald Reynolds, has made comments critical of affirmative action and said of Title IX: "A system that distributes benefits and burdens on the basis of an individual's sex is a system that curtails freedom of choice." Since the OCR director sets the tone for interpreting Title IX, advocates were left to wonder what he might do in practice.

While he doesn't believe that life is perfect under Title IX, one Minnesota politi-

cian who helped pass the law says he's generally pleased with the results. Then-U.S. Representative Al Quie was the ranking Republican on the higher education subcommittee in 1972. Quie supported Title IX, despite his reservations that the law could lead to gender quotas. "When you see the tremendous change in high school and college sports with the number of women participating, it was beyond even [U.S. Representative and Title IX introducer] Edith Green's expectations of where we would go," says Quie. "I don't think we have come to the end of what women will achieve in sports yet."

Perhaps the best evidence of the value of Title IX is to contrast today's collegiate athletic options for women to the days when Jean Freeman was diving off picnic tables. The gains are clear. But it's also clear that cutting men's programs to comply was not the spirit of the legislation. Can schools follow the letter of the law without crushing the spirit of intercollegiate athletics?

Perhaps the spirit of competition itself—in which individuals have different roles but work as a team and where fair play supercedes winning at any cost—can provide a guide.

Back at Williams Arena after the Gopher women's basketball victory over Wisconsin, spirits are still running high. It's a crisp winter's evening as a family walks along University Avenue. A girl perhaps no more than six or seven years old ruminates on the game and offers her commentary on Gopher forward Kadidja Andersson, a native of Sweden. "I like that girl Andersson," declares the youngster. "She spells her name with two s's." ■

Burl Gilyard (B.A. '92) is a Minneapolis-based freelance writer.

"We have artificially created this gigantic elephant that's consuming all this money in the name of equality," says Gopher wrestling coach J Robinson. "How long do we have to incur these million-dollar deficits?"

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The Royle Touch

David Royle (M.A. '88), executive producer of National Geographic's *Explorer* series, uses television and film to take viewers to places they otherwise could never see and to awareness they otherwise might never reach.

I went into journalism to use my life meaningfully, to be purposeful, not just to be at the center of things. I have an insatiable curiosity and am interested in people's lives, interested in telling stories where I feel I can make a difference. I get great pleasure when I'm able to tell a story that draws attention to the courage or to the vision of people. I'm also a great believer that many of the things that go wrong in the world are caused by a lack of understanding.

As executive producer of National Geographic *Explorer*, I'm the equivalent of an editor. I choose which subjects will interest an audience and work with a whole team of producers, writers, researchers, and editors to make television programs [aired on MSNBC].

National Geographic has a very interesting and unique place in American media, because it's not only a media company; it's also a nonprofit scientific and educational organization. We want to achieve great knowledge of the world and everything in it. I often think it's a little bit like being a teacher at times: This is an important subject—how do I get people to pay attention to it, tell it in an exciting and sometimes fun sort of way that is enticing and that conveys the core importance of the subject? It's an exciting responsibility.

A year before the September 11 terrorist attacks, I sent a team into Afghanistan to search for Ahmad Shah Massoud, the leader of the Northern Alliance, who was fighting the Taliban. I felt strongly that we should be doing something about Afghanistan. At the same time, we knew there wasn't much American interest in the subject, so when we completed the film we decided to leave the word *Afghanistan* out of the title. We released the film in October 2000 and called it *Into the Forbidden Zone*. We hoped that would lure people into it to find out what the film was about.



Sharbat Gula was the subject of National Geographic magazine's most famous cover, but no one knew her name or fate until an *Explorer* film crew found her this year. Photographer Steve McCurry photographed Sharbat Gula again, in full burka, holding the famous photo taken of her 17 years earlier, when she was 11 or 12.

AS TOLD TO VICKI STAVIG | ROYLE PHOTOGRAPH BY KAY CHERNUSH



Two days before September 11, Massoud was assassinated. We knew him as a very charismatic leader and thought it was quite possible that the Taliban had done the assassination. I don't think we had an inkling that [the unrest] would spill over into the United States, even though Massoud had said it would.

After September 11, we decided to go back and take another look at the material we had gathered in Afghanistan and found we had a wealth of information. We revised and expanded the

original film. Now the name "Afghanistan" was interesting to people, so we renamed it *Afghanistan Revealed* in October 2001. The *New York Times* gave us a rave review, praising *Explorer* for providing context to the crisis and going where other cameras hadn't been and could no longer go.

Underlying all of this is that, at National Geographic, we're convinced that we don't and can't live in an insular world. We need to understand other cultures and peoples of the world. It's

At National Geographic, we believe that the last century was the century of exploration and that this century must be the century of conservation.

[The film *Africa Extreme*] brought them both together and helped lead to the Republic of Congo expanding protection to one of the most pristine areas of the forest.

Photographer Michael Nichols captured a gorilla surrounded by butterflies for the film *Africa Extreme*.

a vital part of our ongoing understanding of our place, and our country's place, in the world.

One of the films I'm most proud of is *Africa Extreme*, which was about the last great expedition of the 20th century and the first of the 21st century. J. Michael Fay, an environmentalist campaigner, decided to walk across one of the last tropical forests in central Africa to draw attention to what was happening to this extraordinary wilderness and to bring it to the public's attention. It took him 15 months to cover 1,200 miles. Every 20 seconds along the way he took a GPS [global positioning system] reading and made an extraordinary record of that part of the world.

One reason I'm proud of this film is that it took a great commitment—especially in terms of personnel and financing—and it also had an impact. It was a strong piece about conservation, but we did it in a way that would not be dull, that would also have a sense of fun and capture what an expedition is like.

At National Geographic, we believe that the last century was the century of exploration and that this century must be the century of conservation. This film brought them both together and helped lead to the Republic of Congo expanding protection to one of the most pristine areas of the forest. It got an enormous amount of attention around the world and made a difference.

I'm not one of those people who, at age 16, knew what they wanted to do. When I was 19 or 20, I thought I wanted to teach. I grew up in the United Kingdom and won a Morehead Scholarship to come to America when I was 19. I came to America in 1974 and went to the University of North Carolina at Chapel Hill, where I earned my undergraduate degree in American studies and English literature. At the end of my time there, I traveled to South Africa, because I had been touched by what I had heard about segregation and wanted to understand more about race relations. I ended up in Zimbabwe Rhodesia, which was in the middle of a civil war. People talked very openly about their lives and what had gone wrong, and I started taking photos and writing about it. It was magical. And it was the beginning of my career in journalism.

Back in the United Kingdom, I joined a newspaper in a very depressed industrial area. I was one of only two people there who had gone to college. David Smith (B.A. '79), who worked with me, had gone to the University of Minnesota on a Rotary Foundation International Journalism Scholarship. He said, "You would love it there," and suggested I try for the same scholarship. Two years later, I won it and went to Minnesota.

The day I arrived in 1983, the snow was so heavy that the roof of the Metrodome collapsed. I had never seen snow like that, and it was a cold I had not experienced before. But I was interested in coming to the University of Minnesota because I thought I could learn every facet of the journalism business.

While at the University, I did a documentary titled *You, Me . . . Against the World*. The idea came from some powerful photos Donna Terek (M.A. '87), a graduate student, took of drag queens in St. Paul. I was interested in all aspects of American culture and had never had any exposure to drag queens, so I went to a bar on Hennepin Avenue, where drag queens were lip-synching. They were very good at it. It was like a closed world, and I was very curious about it. I did the documentary with a classmate, Belinda Cowdy (M.A. '84), and we won a Mark of Excellence Award from the Society of Professional Journalists. It was my first documentary, and I decided that was what I really wanted to do.

I earned my master's degree in mass communication from the University in 1988. Gary Gilson, a former CBS journalist who was an adjunct professor at the University and has a



passion for telling a story, was very instrumental in my career. He called some people in New York and told them about me. That's how I got involved in filmmaking in America. Having a champion, someone who says, "This person has some talent; give him a chance," was wonderful.

I went to New York and got hired as an associate producer for *Inside Story* for public television, a marvelous program that investigated the press. It was quite controversial, quite edgy. I thought I had gone to heaven. The first major story I worked on was about [media giant] Rupert Murdoch, which won an Emmy nomination, but the next year the program was canceled.

I was determined to keep going and decided to make my own film about the lack of media coverage of the mass starvation in Ethiopia. I felt strongly that the media ignored Africa and it was hardly surprising that, when the famine story finally broke, the public asked, "Why didn't anyone tell us this was going on?" I raised about a quarter of a million dollars to make that film, which was called *Assignment Africa* and took me two years to do. It aired nationally on PBS and then in seven or eight countries around the world.

One of my goals was to get the film into the journalism curriculum at universities. I wanted it to have an impact on how a new generation of journalists covered the world. My associate producer was Belinda Cowdy. We wrote a teachers' guide to go with the film, which ended up being used in a high percentage of journalism departments around the country, including at the University of Minnesota.

Because of my experience in Africa, a part of the world that has its share of logistical and other challenges, I was asked to make a film about the Soviet Union. It was 1988 and I spent one year there during the period of its collapse. It was like watching the rise of Lenin, only in reverse. It was the sort of experience that money can't buy. We called the series *Inside Gorbachev's USSR*, and we won broadcasting's version of the Pulitzer Prize, the Alfred I. duPont-Columbia University Gold Baton.

I also helped to start Michael Moore's *TV Nation*, a comedy series that aired on NBC, partly because I was curious about doing a nonfiction comedy. Then I was brought in as one of the first producers of *Trauma*, which airs on TLC [cable television's the Learning Channel]. In fact, I was in a trauma bay at the hospital of the University of Pennsylvania when National Geographic called me to ask if I would apply for a position there. I found it hard to believe that they were interested in me. I think maybe they were



looking for someone who would bring in some fresh ideas. The fact that I had a fairly eclectic background, yet had a real commitment to good quality broadcast and to international affairs, was a plus to them.

I don't think most people go into documentary filmmaking thinking they're going to get rich. I'm extremely fortunate in that I make a respectable living and still get to make valuable films. There is nothing more rewarding than the sheer experience of working on a film, but we all like to be slapped on the back. I'm proud to be recognized by my peers and have received several awards for my work, including five Emmys, the George Polk Award, and the Ohio State Award. I also received an Award of Excellence from the University's School of Journalism and Mass Communication Alumni Society in 2000.

I'm happy where I am. More than anything now I help other people make good films. That's pretty rewarding, but there are days when I'm listening to someone's idea and I think it would be nice to go out and do it myself. I hope one day I will be able to do that again. I'm very privileged to be where I am, to work with people who go to the ends of the world in different ways.

I think that if I had stayed in the United Kingdom I would be teaching in a school in England somewhere. My life changed drastically and unexpectedly when I came to the United States. I was given the chance to spread my wings a bit, and the horizon changed forever. ■

Vicki Stavig is a regular contributor to Minnesota.

A year before September 11, David Royle sent writer Sebastian Junger and a film crew to Afghanistan to search for Northern Alliance leader Ahmad Shah Massoud.

A year before the September 11 terrorist attacks, I sent a team into Afghanistan to search for Ahmad Shah Massoud, the leader of the Northern Alliance, who was fighting the Taliban. I felt strongly that we should be doing something about Afghanistan. At the same time, we knew there wasn't much American interest in the subject.

Two NCAA championship teams, three individual national champions, dozens of all-Americans, and a handful of all-around achievers made the 2001–02 Gopher winter sports season one for the record books.

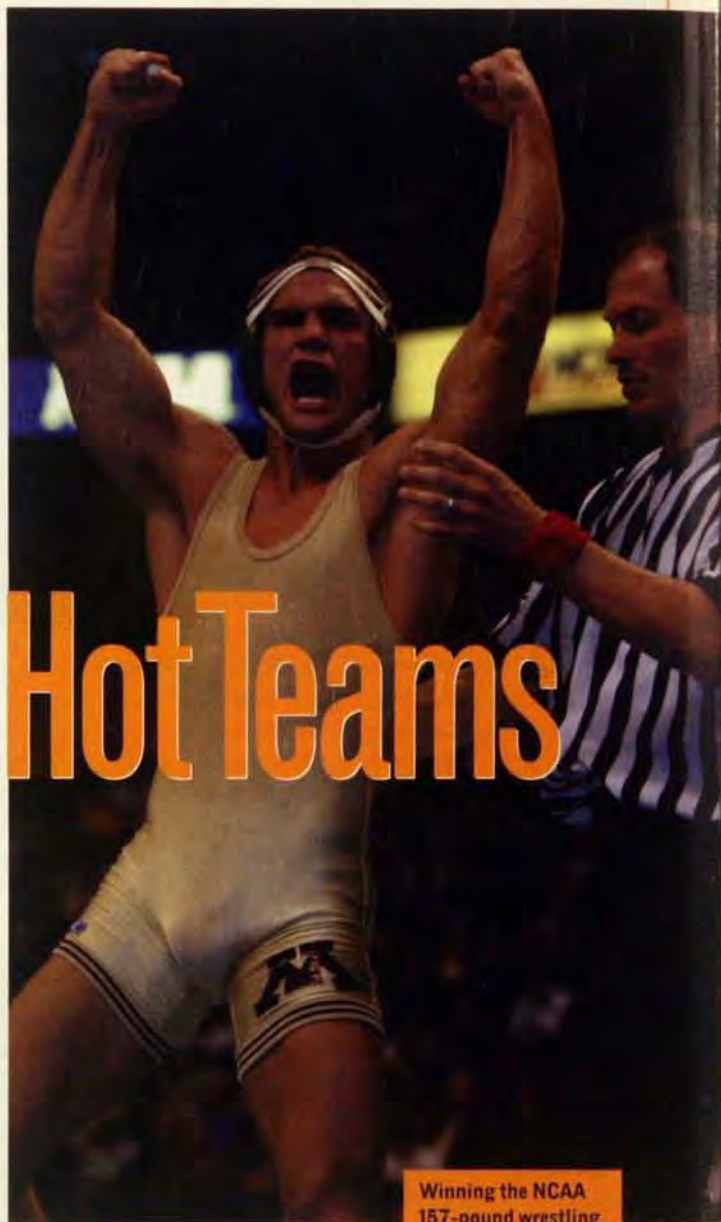
By Chris Coughlan-Smith

Cold March, Hot Teams

Wrestling >>>

Gopher wrestling coach J Robinson and his three longtime assistants returned eight all-Americans to the 10-man defending NCAA championship team for this season. They were heavy favorites to repeat their title, but plenty of big preseason favorites fold under the pressure of expectations. Robinson's demanding workouts and tough personal presence made sure that didn't happen, however. He also took advantage of the one moment when the team wrestled poorly, the early season Midlands Tournament, to drive home his message about hard work. "It's almost like you need something to shake you up," Robinson says. "It helps you clear your head and get your priorities straight. . . . When you're at the top, you have a tendency to believe that you don't need to do that little bit more that got you to the top in the first place. You forget there are a lot of hungry people below you."

In some ways, the 2001–02 team outdid last year's, winning every dual meet, setting a national dual-meet attendance record, taking the Big Ten title by a wide margin over Iowa while winning half of the individual titles, and again qualifying all 10 wrestlers for the 2002 NCAA Wrestling Championships. The Gophers won the NCAA team title again, led by three juniors: Jared Lawrence of Sandpoint, Idaho, who won the 149-pound division; 157-pound champion Luke Becker of Cambridge, Minnesota; and Ryan Lewis of Ver-



Winning the NCAA 157-pound wrestling title pumped up Gopher junior Luke Becker and helped Minnesota win the NCAA team title for the second consecutive year.

nal, Utah, who was second at 133 pounds. This year marks the first time in Gopher history two wrestlers have won national titles, while having three finalists equals the best showing ever. The Gophers return five all-Americans in Lawrence, Becker, Lewis, 184-pound sophomore Damion Hahn of Lakewood, New Jersey, and sophomore heavyweight Garrett Lowney of Freedom, Wisconsin. The team's three departing seniors have seven all-American citations among them. With nine-year head assistant coach Marty Morgan and seven-year assistants Joe Russell and Mark Schwab, the Gophers have an experienced staff to develop replacements in their search for some way to top another record year.



The Gopher men's hockey team celebrated after winning the NCAA title, the program's fourth, but the first since 1979.

Men's Hockey

Although ranked among the nation's best teams all winter, it wasn't until March that the excitement really began to build around the Gopher men's hockey team. In April the Gophers won their fourth NCAA title, their first since 1979. Solid late-season performances heralded things to come. The Gophers reached the 2002 WCHA Final Five championship game to earn a first-round 2002 NCAA Men's Ice Hockey Championship tournament bye. They got to the Frozen Four for the first time since 1995 and the finals for the first time since 1989, when they lost to Harvard in overtime. This year they beat Maine 4-3 in overtime.

Steady and sometimes spectacular goaltending by four-year starter Adam Hauser of Bovey, Minnesota, backed up the stellar play of senior Jordan Leopold, a defender from

Golden Valley, Minnesota, who won the Hobey Baker Award, given to college hockey's best player and sportsman. Senior all-American John Pohl of Red Wing, Minnesota, and junior Jeff Taffe, of Hastings, Minnesota, led one of the country's best offenses. Sophomore Grant Potulny of Grand Forks, North Dakota, was the offensive hero of the Frozen Four, however. He scored twice against Michigan in the semifinal and put in the game-winner against Maine.

"It's an unbelievable feeling," third-year head coach Don Lucia said after the game. "This is for all of those players since 1979 who've worked so hard and our fans who have been with us all these years. I'm so proud of our players. Their dream was to hang a banner and they hung the big one tonight."

Women's Hockey >>>

This was supposed to be a rebuilding year, a chance to see what it was like to be the underdog for a change. But a pair of standout young goalies, an offensive star who switched to defense, and a team that wouldn't quit made the Gopher women's hockey team almost as big a surprise as their basketball counterparts. They overpowered defending national champion and heavy favorite Minnesota-Duluth for the WCHA title, ran off a record 24 consecutive games without a loss, and held the top spot in national polls from January into March. They finished 28-4-6, tied for third in the nation.

Junior Ronda Curtain of Roseville, Minnesota, one of the team's most prolific scorers, agreed to switch to defense at the start of the season. She ended up leading the league in scoring with 11 goals and 33 assists and earning WCHA Player of the Year and first-team all-American honors. Laura Halldorson, named the American Hockey Coaches Association Coach of the Year for the second time in her five years at Minnesota, also got terrific play from frosh goalies Jody Horak of Blaine, Minnesota, who earned first-team all-conference honors, and Brenda Reinen of Sun Prairie, Wisconsin, who was named to the WCHA all-tournament team. "We're young, but we're very mature," Halldorson explained before her team went to the four-team NCAA tournament. "We had no ego problems, never got complacent, and were mentally strong all year. We just have a great blend of personalities. I can't explain team chemistry, but we have it."



Gopher women's hockey coach Laura Halldorson gave her surprising squad warm-up instructions before a recent game.

Lawyer.
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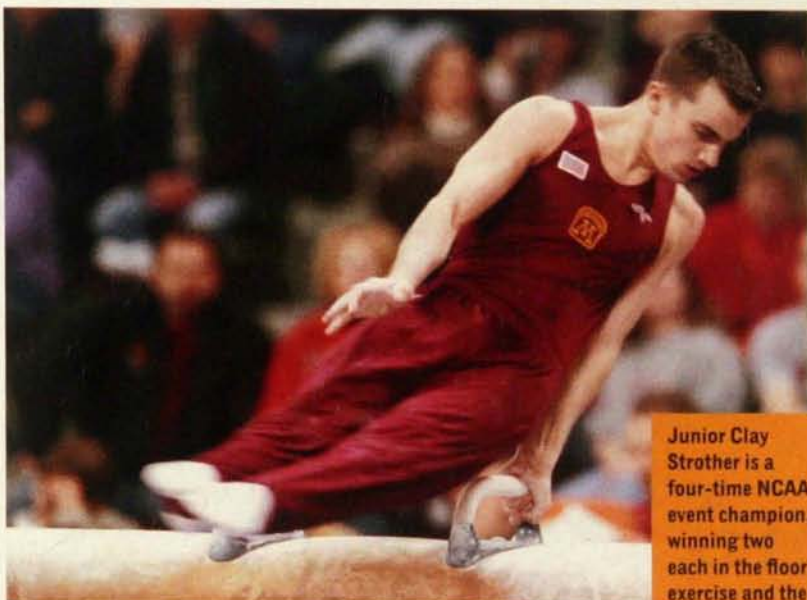
Peter Saari, '90, '95, International Education General Counsel, SimonDelivers.com

"All roads lead back to the U," says Peter Saari. "I wouldn't be able to give if I hadn't gone there." Peter and wife Cathy have been making annual gifts since '93 and joined the UMAA in '99. Because both are art aficionados, they give to the Weisman, which they appreciate for its world-class collection and for being a teaching museum. "The way I see it, if you love the U, you can support the U, and it doesn't take a lot of time. Write a check."

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Giving makes greatness possible.



Junior Clay Strother is a four-time NCAA event champion, winning two each in the floor exercise and the pommel horse.

Gymnastics

The women's gymnastics team made a return trip to the 12-team NCAA meet this year after narrowly missing last year. Senior MaryAnne Kelley of Barrington, Illinois, capped her career by being named Big Ten Gymnast of the Year. Kelley holds school records for all-around, balance beam, and floor exercise. Co-head coaches Jim and Meg Stephenson were named Big Ten Coaches of the Year. During vault competition at the UCLA Invitational on March 3, both senior Courtney Norman of Minneapolis and freshman Carolyn Yernberg of Blaine, Minnesota, scored perfect 10s, the only ones awarded in school history.

The men's team reached the NCAA's 12-team preliminary round, while junior Clay Strother of Jasper, Texas, won the national titles for pommel horse and floor exercise, giving him four NCAA titles in the past two years. Guillermo Alvarez of Denver, Colorado, was named Big Ten Freshman of the Year and was an all-American.

Indoor Track and Field

Sophomore Tahesia Harrigan of Tortola, Virgin Islands, took second in the 60-meter dash at the 2002 NCAA Indoor Track and Field Championships, equaling Minnesota's best indoor placing ever and resetting her own school record.

The men's team was on the verge of winning the Big Ten indoor title when the meet was canceled after the death of Penn State pole vaulter Kevin Dare. The Gophers showed off their depth two weeks later, however, by earning eight all-America citations in the two relay events at the NCAA meet.

Swimming and Diving

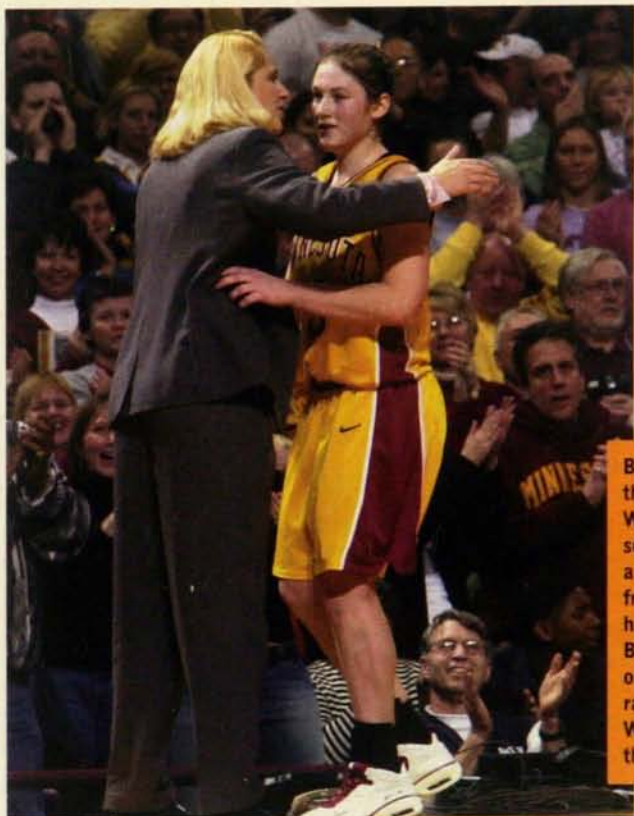
The men's team earned its second Big Ten title in a row, then finished eighth in the NCAA meet for a third consecutive top-10 finish. First-team individual all-American honors went to junior Jeff Hackler of Alpharetta, Georgia (third in the 100-yard breaststroke; fifth, 200-yard breaststroke), junior Todd Smolinski of St. John, Indiana (fifth, 100-yard backstroke), sophomore Justin Mortimer of Milton, Massachusetts (fifth, 500-yard freestyle; third, 1,650-yard freestyle), and freshman Terry Silkatis of Skokie, Illinois (seventh, 200-yard freestyle).

On the women's team, junior Keri Hehn of Fargo, North Dakota, was an all-American, finishing eighth in the 200-yard breaststroke.

Quotebook

"Going into the last hiring it was like, we'll take whoever we can take. This time, there are expectations—not only from us but from the community and the state in general."

—Gopher women's basketball star Lindsay Whalen, this season's Big Ten Player of the Year, commenting on the search for a replacement for Brenda Oldfield, who coached the Gophers to one of their finest seasons but left after one season to take a job at the University of Maryland.



Big Ten Player of the Year Lindsay Whalen, a sophomore, got a pat on the back from former head coach Brenda Oldfield on one of the rare occasions Whalen went to the bench.

Women's Basketball

The remarkable one-year turnaround (from 8–20, 1–15 in the Big Ten, to 22–8, 11–5 Big Ten) earned the Gophers several awards: Big Ten Player of the Year for Lindsay Whalen, a sophomore from Hutchinson, Minnesota; Big Ten Freshman of the Year for Janelle McCarville of Stevens Point, Wisconsin; and both Big Ten and Associated Press coach of the year honors for Brenda Oldfield. Although Oldfield has moved on to the University of Maryland, the Gophers' seven main players return. The new coach will also regain two 2000–01 starters who were out with knee surgery and add two Minnesota high-school all-stars. A search for a new coach was under way at press time.

Academics

While accomplishments on the field attract the most attention, the University of Minnesota also honors student athletes for excellence in the classroom.

The top five women's and men's student athletes for 2001–02 are (all seniors unless noted):

- Catie Christensen, Columbus, Ohio; gymnastics, kinesiology major
- Michaela Havelkova, junior, Liberec, Czech Republic; tennis, international business
- Shelley Miller, Brookfield, Wisconsin; rowing, finance
- Andrea Rose, North Vancouver, British Columbia; tennis, biology and neuroscience
- Karyn Stordahl, junior, Owatonna, Minnesota; golf, marketing
- Justin Conner, Dallas; gymnastics, finance
- Harsh Mankad, junior, Mumbai, India; tennis, economics
- Michael Melrose, junior, Eau Claire, Wisconsin; swimming and diving, management information systems
- Andrew Tank, Des Moines, Iowa; golf, accounting and finance
- C.J. Woodrow, junior, Plymouth, Minnesota; baseball, finance

The Outstanding Achievement Award for excellence in leadership, academics, volunteerism, and athletics went to:

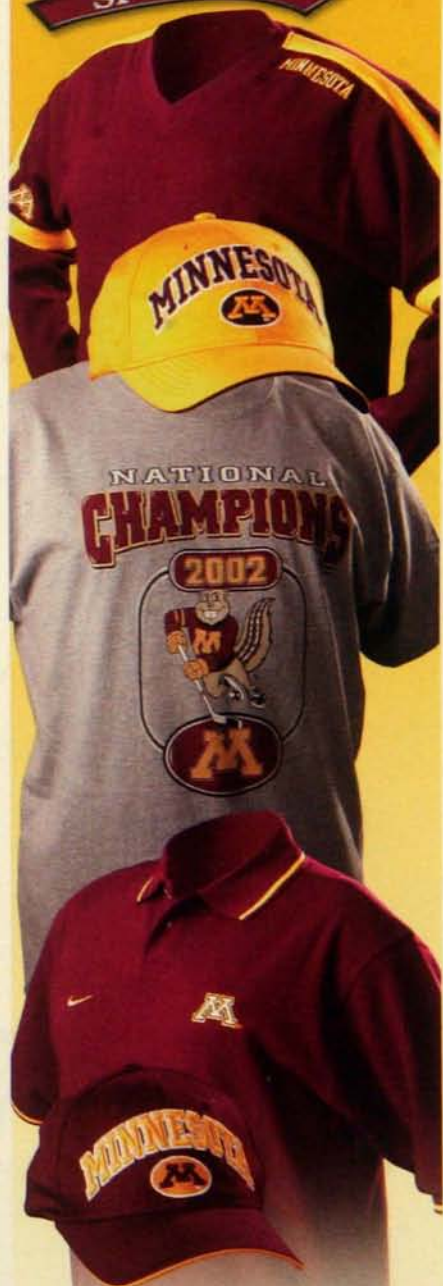
- Lindsey Berg, Honolulu; marketing major and three-time all-Big Ten volleyball setter
- Owen Elzen, Eyota, Minnesota; health and wellness major and two-time all-American wrestler

Team Community Service Awards went to:

- Men's basketball
- Women's track and field/cross-country

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Rock around the Block

Do You Wanna Dance or just Yakkety Yak? There will be a chance for alumni to do both when the new Gateway Plaza is magically transported to the 1950s and '60s for the 2002 UMAA Annual Celebration. A night of fun music, a family-style picnic, and even an Elvis sighting or two will highlight the official opening of the green space adjacent to the McNamara Alumni Center. "Rock around the Block," an outdoor event, will feature a music revue with more selections than a soda fountain juke box, plus activities and exhibits scattered around the Gateway Plaza, which takes up the entire northwest block of Oak Street and Washington Avenue, immediately south of the alumni center.

A picnic dinner kicks things off at 5:30 p.m., followed by the plaza dedication and 90-minute rock-and-roll show with Elvis, Buddy Holly, Bill Haley, and other impersonators.

Although the University owns the land, the Gateway Plaza was built with private funds as a gift from alumni and friends to the University. The plaza features walkways, groves of trees, lawns, pools, and a stage and open space near the alumni center for programs, pep rallies, and other events. Long-term plans include building a monument at the corner of Oak and Washington that echoes the granite and copper of the alumni center.

Tickets to the 2002 UMAA Annual Celebration can be ordered through the Northrop Ticket Office at 612-625-2345. Parking is available in the adjacent Washington Avenue or University Avenue ramps.

Details and on-line ticket ordering can be found at www.umaa.umn.edu/event/elvis, or call 612-624-2323 or 1-800-862-5867 for more information.



MEMBERS OF THE BAND
Memories from the Heartbreak Hotel impersonate Bill Haley, Chubby Checker, Elvis Presley, and other music legends from the 1950s and '60s.

UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION

Report



Revisit campus of 1950s and '60s at the 2002 UMAA Annual Celebration June 4 on the new Gateway Plaza outside the McNamara Alumni Center. Photographs from the 1959 *Gopher*.





Award-Winning Teachers on Teaching

Although from very different disciplines, professors Lary May and Anthony Starfield, like many fellow award-winning teachers, encourage student interaction, offer innovative assignments, and remember the great teachers who inspired them. May and Starfield are among this year's recipients of the University's Distinguished Teaching Awards.

Starfield, a mathematician with accomplishments in many fields, teaches computer modeling techniques in the Department of Ecology, Evolution, and Behavior. "What really attracts me to teaching is how much one learns by teaching," he says. Starfield moved into computer modeling to help make sense of the problem-solving "free for all" created by the advent of computers. "I wanted to be thoughtful in developing the methodology," he continues. "Teaching really brings that out. You have to get it straight in your own mind before you can teach it."

May is a professor of American studies specializing in film and other popular culture media. He was inspired by teachers "who took personal care with their teaching" and made material relevant, he says. "I think students sometimes just go through the motions [in getting a degree]. My effort is to try to break it and show that this stuff is personally meaningful."

Each professor has developed assignments that effectively teach skills and their application. "I used to believe that you gave a good lecture and that was what teaching was about," Starfield says. "[But] modeling is something you almost can't learn by someone telling you how to do it." Students work in small groups to solve invented case studies, benefiting from their differing academic backgrounds. "Students learn so much from each other, especially explaining their ideas to each other," he says. "There is nothing as valuable as teaching something to learn about it."

May created an "intergenerational interview" assignment in which students ask an older person about their cultural influences. Students then look into the background of what they learn and write about its political and cultural significance, combining several of the skills May wants to impart. "I firmly believe that the way students are going

"The award means less to me than the efforts that the students and colleagues put into getting it for me," says Professor Anthony Starfield.

to engage with contemporary history is to see what they have inherited from the past. This seems like the perfect intersection between the personal and the social and political," May says. "Plus, you get some really surprising things that just blow you away. Each one is really unique." While each teacher is gratified by the award, they are more touched by the letters of support from former students that accompanied their nominations. "The award means less to me than the efforts that the students and colleagues put into getting it for me," Starfield says. "I got so much out of the reactions and letters. That was really heartwarming." It also confirms what he has come to realize: "Behind every good mentor is a good mentor. [That] is the thing that gets passed on from generation to generation even more than the textbooks and the research work."

May agrees. "There is a letter in there from a student I had 20 years ago," he says. "To realize you've had an influence on someone that has lasted for 20 years is rather staggering."

—Chris Coughlan-Smith



Professor Lary May



Professor Anthony Starfield

The 2002 Distinguished Teachers

The Distinguished Teaching Awards encompass both the Horace T. Morse—University of Minnesota Alumni Association Award for Outstanding Contributions to Undergraduate Education and the Award for Outstanding Contributions to Postbaccalaureate, Graduate, and Professional Education. The UMAA provides financial support for the awards, which include a salary augmentation to the recipients and a stipend to their department. The alumni association also organizes the annual awards ceremony, which attracts hundreds to the McNamara Alumni Center. This year's presentation was April 22.

MORSE-ALUMNI AWARD RECIPIENTS

- Professor Patricia Bauer, child development
- Associate Professor Andrea Berlin, classical and Near Eastern studies
- Associate Professor Nancy Carpenter, UM Morris science and mathematics
- Associate Professor Tom Isbell, UM Duluth theater
- Professor Lary May, American studies
- Professor August Nimitz Jr., political science
- Associate Professor Leslie Schiff, microbiology
- Associate Professor Cathrine Wambach, General College psychology

GRADUATE-PROFESSIONAL AWARD RECIPIENTS

- Professor Peter Carr, chemistry
- Professor Hazel Dicken-Garcia, journalism and mass communication
- Professor David Hayden, veterinary diagnostic medicine
- Professor Paul Iazzo, anesthesiology
- Professor Mary Jo Maynes, history
- Associate Professor James Pacala, family practice and community health
- Professor Anthony Starfield, ecology, evolution, and behavior
- Regents Professor John Sullivan, political science

Plaza Completes U Gateway

Huddled together near Stadium Village, on the southeast corner of campus, are the four residence halls—Pioneer, Frontier, Territorial, and Centennial—that were home for me during my years at the University of Minnesota. To a freshman first setting foot on campus, these buildings could not have more fitting names. They conjure up images of the old west, places at the outer reaches of civilized land, uncharted and unfamiliar territories. Later my parents would describe the look of utter fear on my face as they deposited me on the steps of the dormitory, left to fend for my own in this sprawling, urban frontier. Frontier Hall became my gateway to the University of Minnesota and to my personal four-year voyage of discovery.

Two years ago, not far from Frontier Hall, a stunning structure rose on the corner of Oak Street and University Avenue like a massive granite outcropping on Minnesota's North Shore. That building, the McNamara Alumni Center, was conceived and built to create a beautiful entrance—a true gateway—to the U of M campus. It is a place that celebrates the University's rich history and achievements. New students and alumni pass through the reconstructed 55-foot-tall Memorial Arch that once was the grand entrance for football players, the marching band, and spirit squads as they paraded into Memorial Stadium. The arch now serves as the entrance to the Heritage Gallery—a multimedia exhibit honoring the accomplishments of University alumni, students, faculty, and staff.

The McNamara Alumni Center has quickly become a destination point for the University community as well as the surrounding community. The alumni center is one of the Twin Cities' hottest new venues, hosting everything from a Guthrie Theater gala to FinnFest USA. But 85 percent of the 1,500 events held at the alumni center since its grand opening in February 2000 have been University-related: lectures, award ceremonies, academic conferences, career fairs, and much more. The extensive list of non-University events includes bar mitzvahs, corporate parties, weddings, and even the filming of a music video by the group Incubus. Why the attraction? Guests love the unique architecture, easy accessibility, ample parking, and beautiful location at the heart of a university campus. Until recently, however, what lay outside this glorious new building was an asphalt parking lot, little changed from the days when it provided parking for the throngs of Gopher faithful on Saturday afternoons in autumn.

This spring, the alumni center will receive the auspicious environment it deserves. Ribbons will be cut to unveil the Gateway Plaza, a magnificent public square that reaches to Washington Avenue and provides much-needed green space on campus. Calling to mind our state's 10,000 lakes, the plaza will include reflecting pools and native trees on a gently rolling landscape. Plaza construction began in May 2001 and will be completed this June. At an estimated cost of \$3 million, the plaza was funded entirely with private financing through the University Gateway Corporation, a nonprofit entity comprised of the University of Minnesota Foundation, the Minnesota Medical Foundation, and your alumni association.

The Gateway Plaza will be a place where new traditions might be born and new symbols created for the U of M. Faculty and students will come together among the trees, grass, and granite benches to meet, study, and talk. Its stage will provide an excellent venue for large-scale outdoor events such as pregame pep rallies, commencement ceremonies, afternoon concerts, and sorority-fraternity socials. It also will be the perfect place for an alumni celebration.

So mark your calendars for Tuesday, June 4. University President Mark Yudof and hundreds of alumni and friends are expected to be on hand for the official grand opening of the Gateway Plaza during the 2002 UMAA Annual Celebration. We will have a night of dinner and dancing on the plaza as we enjoy a family-style picnic and kick up our heels to musical entertainment from the '50s and '60s. I hope you will join us for the festivities and fun. And next time you visit the campus, stop by to see our new front door, the McNamara Alumni Center and the Gateway Plaza. ■

For more information on the UMAA's 2002 Annual Celebration, see page 59.

Who Was Your Favorite Teacher?

If you had a teacher at the University who made a difference in your college experience or your career, we'd like to learn about it. Send us the name of the teacher, his or her department, and a note or anecdote explaining how this person enhanced your education. If we receive enough responses, your stories will be used in an article in *Minnesota* and on our Web site (www.umaa.umn.edu). Please include your name, degree information, and how we can contact you. Write to Shelly Fling, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455, or e-mail fling003@umn.edu.



Bruce Nelson, B.S. '80

Summer Learning in Santa Fe

Art and Architecture of the Southwest, a Great Conversations "On the Road" seminar, is set for the week of August 22 through 26 in Santa Fe, New Mexico. A joint offering of the College of Continuing Education and the UMAA, the five-day program is led by Weisman Art Museum director and chief curator Lyndel King and will feature other experts as well.

Art and Architecture of the Southwest will include walking tours of Santa Fe, side trips to nearby Taos and Bandelier National Monument, optional writing sessions, four nights at the distinctive Hotel Santa Fe near the city's famed plaza, and more. Continuing education credits and UMAA member discounts are available.

For more information on Art and Architecture of the Southwest, visit www.cce.umn.edu/ontheroad or call 612-624-4996.



Alumni Center Wins Award for Predock

Architect Antoine Predock's design for the McNamara Alumni Center earned him his second Tucker Architectural Award. The worldwide award, presented May 8 by the Building Stone Institute, is given annually for outstanding use of natural stone in buildings, residences, renovations, and landscaping.

Predock's design for the McNamara Alumni Center includes a granite-clad "geode" with large windows and glass fissures meant to evoke the cliffs of Lake Superior's North Shore. The alumni center houses the UMAA, the University of Minnesota Foundation, the Minnesota Medical Foundation, and several other organizations with significant outreach missions.



The McNamara Alumni Center



Plaza Preview

University students sidestepped construction equipment to test out the new Gateway Plaza after mid-April rain and sun brought green space back to the southeast corner of campus. The plaza's grand opening takes place June 4 at the 2002 UMAA Annual Celebration (see page 59 for details). Watch *Minnesota* for more coverage of the new Gateway Plaza.

UMAA Calendar

Upcoming alumni events on campus and around the country. For more information, visit www.umaa.umn.edu or call 612-624-2323 or 1-800-UM-ALUMS (862-5867) and ask to speak to the UMAA staff person listed after the event.

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| <p>June</p> <p>1 Southeast Wisconsin Career Exploration Program local events, various times in Madison and Milwaukee; contact Mark Allen</p> <p>2 Denver Chapter brunch at the Washington Street Grill, 10 a.m.; contact Mark Allen</p> <p>4 2002 Annual Celebration, 5:30-9 p.m. at the Gateway Plaza; contact Deanna Hamilton (see page 59)</p> <p>6 College of Education and Human Development</p> | <p>Alumni Society postbaccalaureate licensure celebration and picnic, 4 p.m. in the Nolte Courtyard; contact Raleigh Kaminsky at 612-626-1601</p> <p>8 Puget Sound Chapter whale-watching cruise to the San Juan Islands, all day; contact Mark Allen</p> <p>8 Institute of Technology Alumni Society grand opening reception for Walter Library, 6:30 p.m.; contact Kris Kosek at 612-626-8282</p> | <p>12 College of Agricultural, Food, and Environmental Science Alumni Society reunion, 10 a.m.-2 p.m. at Cedar Lake Farms; contact Mary Buschette at 612-624-1745</p> <p>13 Institute of Technology Alumni Society annual meeting and dinner cruise, 6 p.m. on Lake Minnetonka; contact Kris Kosek at 612-626-8282</p> <p>13 Natural Resources Alumni Society dinner and meeting, 5:30 p.m., 225 Kaufert Lab; contact Phil</p> | <p>Splett at 612-624-6247</p> <p>19 College of Education and Human Development Alumni Society meeting and dean's recognition dinner, 5:30 p.m., McNamara Alumni Center, Suite 200; contact Raleigh Kaminsky at 612-626-1601</p> | <p>Puget Sound Chapter, all day at Emerald Downs; contact Mark Allen</p> <p>28 Western Minnesota picnic, noon at the Heen Farm in Maynard; contact Chad Kono</p> <p>28 Alumni College in Ireland-Kinsale; contact Becky Von Dissen</p> <p>28 Alaska: Cruise the Inside Passage; contact Becky Von Dissen</p> <p>30 Dentistry Alumni Society Golf Classic, time TBA at Les Bolstad Golf Course; contact Marie Baudek at 612-625-9439</p> |
| <p>July</p> <p>4 Denver Chapter at the Colorado Rapids soccer game and fireworks display, 7 p.m.; contact Mark Allen</p> <p>20 Minnesota Day at the Races with the</p> | | | | |

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Executive Director

Readers Reflect on *Minnesota*

Minnesota has proudly chronicled 100 years of the accomplishments of University of Minnesota alumni and faculty. The cover of this centennial issue, with its array of covers from past issues, illustrates that mission beautifully. Like welcoming hosts, the faces on every issue of *Minnesota*



Margaret Sughrue Carlson, Ph.D. '83

invite readers inside the magazine to learn about the endeavors of people affiliated with the University. Preparing to mark the 100th anniversary of the magazine, I became curious about how our readers feel about *Minnesota*.

Because life members make a special commitment to their alma mater, I randomly queried 500 of them. I wanted their responses to be heartfelt, informal, and unrehearsed, so I surveyed them by e-mail. The first reply came almost immediately, from **Roger Adams** (B.S. '51,

Ph.D. '67) of Maple Plain, Minnesota, who said, "I thoroughly enjoy the *Minnesota* magazine and look forward to receiving it." After that, every time I turned on my computer, my mailbox was full of messages from life members. The response was staggering. Here are a few of the comments:

Most of the respondents say they frequently share articles with friends, fellow alumni, and family members. **Gil McDowell** (B.A. '59) of Palm Harbor, Florida, notes that he will "often tear out articles and give them to friends who do not get the magazine. I've had several, over the years, join the association as a result of this." **Robert Fehr** (M.S. '73) of St. Paul clips articles as "a way to encourage my teenage sons to develop interest and excitement in their own college plans and aspirations." And **Bonnie (McCarvel) Nagel** (B.S. '77) of St. Louis writes that she shares stories from *Minnesota* because she has to "work to dispel some of the myths about Minnesota that *Fargo* created!"

While many report that they feel proud when reading about the accomplishments of students, researchers, or fellow alumni, **Wayne Sorensen** (B.S. '65) of Austin, Texas, writes that he is "less pleased to discover in *Minnesota* that over the years our athletics programs have been the subject of several investigations for misconduct." **F.L. Gus Cooper** (B.A. '41) of Dunedin, Florida, speaks for many with his words, "Occasionally we are angered by an article such as when the state Legislature is niggardly in its appropriations for the University." But overall, our life members' comments are summarized by **Edward Landa** (Ph.D. '75) of Reston, Virginia, who writes, "Many of the stories have touched me—

from the light ones (the guy who invented poetry magnets for the refrigerator door), to the inspiring (the U physician who left Hungary during the Hungarian Revolution), to the personal (a post-9/11 account by the editor about her reaction to a bag of powdery material on the road near campus)."

While most inform us that they pass their magazines on to others or eventually reluctantly recycle them, I was thrilled to read that **Sandy Morris** (B.A. '64, M.A. '72) of Minneapolis saves the executive director's column "and sometimes an article or two. Occasionally, in fits of organizational correctness, I discard everything and start over again," she writes. **Gordon Gauss** (B.S. '74) of Tempe, Arizona, says he saves *Minnesota* for a year, while **Ronald Phillips** (Ph.D. '66) of Shoreview, Minnesota, keeps them for five. But **Roger Morris** (Ph.D. '84) of Glebe, Australia, has saved every issue since the mid-1980s, and **Francis van Dan** (M.A. '75) of Fridley, Minnesota, (a member since 1979) has *never* discarded an issue! "Should I seek a particular issue, it may be quite a challenge to find, but it's there, somewhere..."

Jacquelyn DeGuise (B.S. '75, M.B.A. '93) of Arlington Heights, Illinois, says that the sight of *Minnesota* makes her "anxious to have a fresh cup of coffee and read through the magazine." And like **Kenneth Torrance** (B.S. '61, M.S. '64, Ph.D. '66) of Ithaca, New York, who says that *Minnesota* is "like a welcome letter from

Jerry Scott (B.S. '75, M.A. '78) of Aiken, South Carolina, writes that receiving the magazine is "like receiving a letter from back home and you can't wait to find out what's been going on and what's new at the U."

a friend or classmate," **Jerry Scott** (B.S. '75, M.A. '78) of Aiken, South Carolina, writes that receiving the magazine is "like receiving a letter from back home and you can't wait to find out what's been going on and what's new at the U."

Arnie Ness (B.A. '59, M.A. '63, Ph.D. '75) of Tacoma, Washington, jokes that he hopes to be "around, and healthy, when [the magazine] hits its 200 year birthday." But what

resonates throughout the respondents' birthday wishes is summarized well by Jerry Scott: "It's this magazine that keeps us connected to the U." And, as **Veronica Netteberg Johnson** (B.S. '68) of Austin, Texas, points out, the magazine "keeps us all connected, no matter how far we roam!"

For a staggering 100 years, *Minnesota* has bound us together with articles and images of pride—and "given me pause to think," as **Robert Nyvall** (B.S. '65, Ph.D. '69) of Grand Rapids, Minnesota, writes. *Minnesota* gives us, as Edward Landa says, "the sense that I am still part of this great community that is the University of Minnesota." Consistently full of articles about great graduates, like Bataan Death March survivor Phillip Brain (March–April 2002), and great academics, like stem cell researcher Dr. Catherine Verfaillie (January–February 2002), *Minnesota* inspires each of us to be a better person, to try harder, and to strive to join the many alumni, students, and researchers who have made—and who strive to make—a difference in the world. ■



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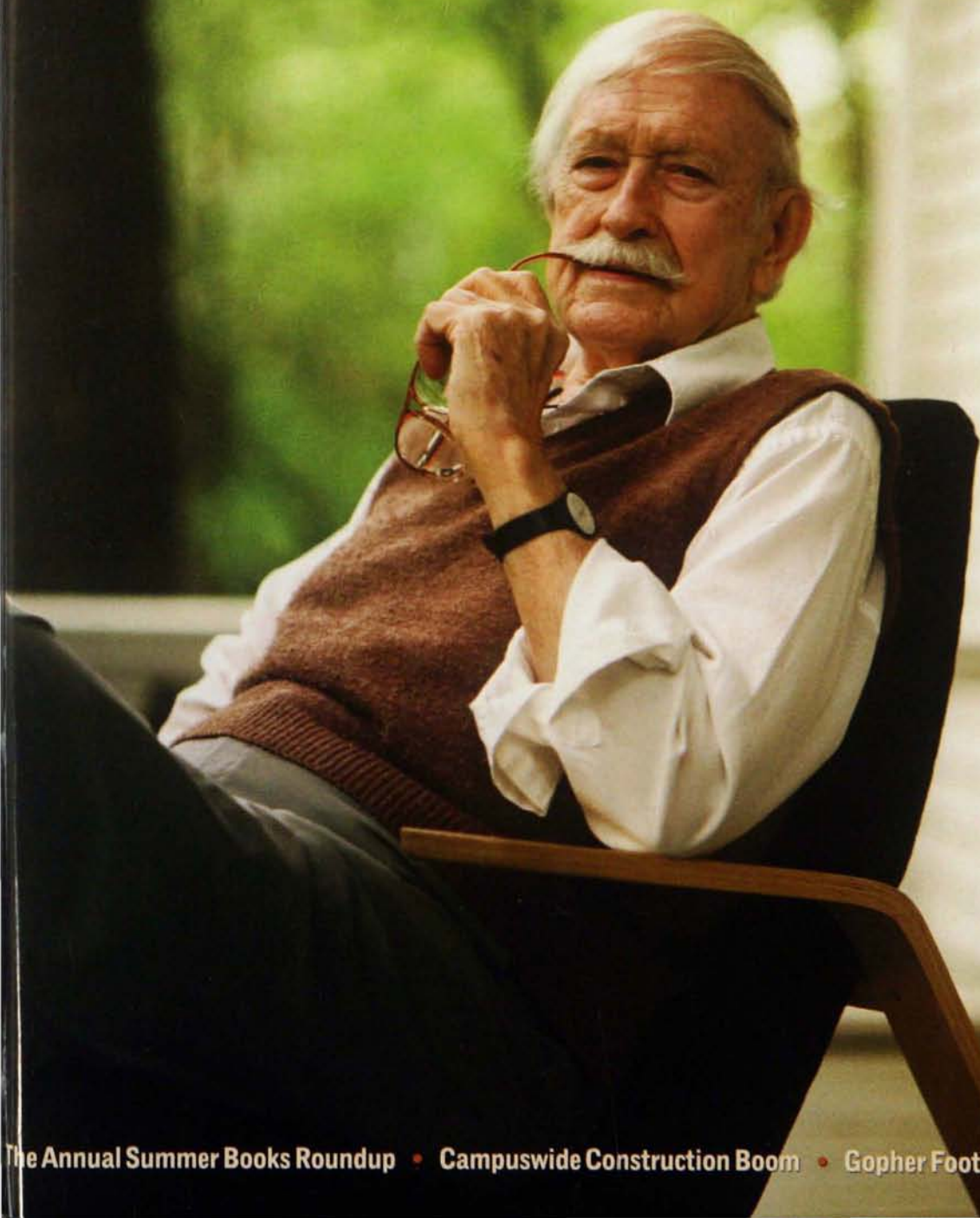
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Ralph Rapson, former head of the School of Architecture and an internationally influential modernist designer, can still be found at the drafting board. His latest project: a glass conservatory for the University's Landscape Arboretum.

By *Burl Gilyard*



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Edited by *Shelly Fling* and *Chris Coughlan-Smith*

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The campuswide construction boom will change the way the University works, thinks, and plays. An overview of 10 building projects on the Twin Cities campus illustrates how the U will better fulfill its mission in coming decades.

By *Joel Hoekstra*



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Women's issues activist Fozia Saeed (B.S. '81, M.S. '84, Ph.D. '87) asks questions, challenges convention, and empowers women in order to facilitate change in Pakistan.

As told to *Shelly Fling*

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After a disappointing start to his college football career, Gopher quarterback Asad Abdul-Khaliq has grown in confidence and composure. Plus, Gopher football head coach Glen Mason on the 2002 season outlook and Sports Notebook.

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The Gophers are the state's teams, and Minnesotans need to rally behind them.

Cover photograph by *Mark Luinenburg*

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Minnesota (ISSN 0164-9450) is published bimonthly by the University of Minnesota Alumni Association at McNamara Alumni Center, University of Minnesota Gateway, 200 Oak Street SE, Suite 200, Minneapolis, MN 55455-2040.

The UMAA sends six issues of *Minnesota* to dues-paying members. Periodicals postage paid at Minneapolis, Minnesota, and additional mailing offices. POSTMASTER: Send address corrections to *Minnesota*, McNamara Alumni Center, 200 Oak

Street SE, Suite 200, Minneapolis, MN 55455-2040.

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Advertising

Represented by Scott Henry

MSP Communications

For advertising rates and information,

call 612-313-1780;

fax 612-339-5806;

email sbhenny@mspmag.com

Minnesota is published bimonthly
by the University of Minnesota
Alumni Association for its members.

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"I've always had strong feelings for the U," says Brenda Eckes, who makes paper and binds books in her free time. "My dad was a professor of vocational/technical education at the U. And my undergraduate experience was so positive that I did my graduate work there." Brenda and husband Scott became UMAA life members in 1980 and started giving to their colleges in 1990. "We got so much out of the U that we decided to support it for others."

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Editor's Note

Change Brings Hope

Fouzia Saeed, the subject of an article in this issue of *Minnesota*, says that any indication of change gives her hope. She refers to a specific kind of change, which you will read about in *Voices* (page 40), but I think she is onto something.

Change sometimes alarms us, makes us feel out of control. But change is always taking place. We just don't notice it until it rears up and imposes its plans on us—redirecting our course or compelling us to shift our beliefs.

While change can be disconcerting, few things in the world cannot be bettered in some way, and change invites us to improve and build on what was. This is how I view the changes afoot at the University of Minnesota. Indeed, betterment and change are at the core of the University's mission. *Minnesota* strives to keep pace with these changes, documenting happenings on campus, offering perspective on higher-education issues, and telling the stories of the faculty, alumni, and students who grasp the opportunities that surface in the wake of change and transformation.

By now most alumni have learned of University President Mark Yudof's resignation in late May. He leaves Minnesota this summer to become chancellor of the University of Texas system, and his decision to go has been unanimously lamented by the University community. Yudof, who arrived in 1997, leaves the University a much different place. His leadership and advocacy have instilled new-found pride in the U, from the broader community and alumni everywhere. By establishing five academic initiatives, he has laid the foundation for the University to reach new heights.

Yudof himself saw what change might yield when he accepted the job at the University five years ago. "Today marks a transition or passage in my own life and in that of my family," he said in his inaugural address, "and it may also evidence a further evolutionary stage in the life of this great University, an accelerated evolution toward higher levels of excellence and service to this state and nation." That it did. While Yudof's departure may

seem premature to many, the changes he ushered in took root quickly and promise to last for generations.

Yudof ought to return to campus in a year or two to see the completion of some of what he started. For several years *Minnesota* has reported on the changing face of campus. In this issue, we describe the 10 major projects under way or recently completed—from the new College of Architecture and Landscape Architecture addition to the refurbished Walter Library (page 30). These structures will position the University to better fulfill its commitment to its initiatives, including in ways today's researchers, artists, and scholars cannot yet conceive.

Also in this issue, we take readers thousands of miles from campus, to Pakistan, where alumna Fouzia Saeed (B.S. '81, M.S. '84, Ph.D. '87) builds less tangible things, such as justice and self-esteem. Saeed, a researcher and activist on women's issues, has dedicated her life to facilitating change in her country, particularly for women, whom she says are not considered to be full human beings in Pakistan's patriarchal society.

A key to Saeed's success in raising taboo issues and challenging social laws has been to include men at all levels of discussion, training, and volunteerism. Still, the changes Saeed endeavors to exact in Pakistan have often been met with resistance. She has endured threats, harassment, confrontations with the police, and slashed tires. Regardless, she persists, and she credits her University experience with preparing her for the battle.

While it is ever changing and steadily evolving, the University promises also to persist and always to be linked with hope. ■

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

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Large? Yes. Impersonal? Absolutely not. Just ask Michele Brekke. While she could have gone to a smaller college,



she chose the University of Minnesota. Its thriving urban campus offered her a complete spectrum of academic and social experiences, helping her

go on to become the first female Flight Director in NASA history.

With 24 years of experience, Michele currently heads up NASA's Flight Integration division. No payloads fly on the Space Shuttle without her final approval. She oversees a team that coordinates the launch of multibillion-dollar satellites and scientific equipment.

Drawn to the U by its strong aerospace engineering program,

Michele said, "I just fell in love with the campus. Everyone was so friendly and helpful to me." She especially enjoyed the one-on-one mentoring she received while working in the wind tunnel lab with Dr. Helmut Heinrich.

Since Michele graduated, the University has worked hard to make today's student experience even more personal. Class sizes are smaller. There are invigorating seminar courses for freshmen. Students can now register for classes online from anywhere. And an astounding

94.2% of freshmen report being either "satisfied" or "very satisfied" with the University.

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Letters

Give Female Athletes a Chance

As the father of two daughters, both hockey players, I was appalled to read that the U of M would employ a head coach who defies University policy on Title IX ("Wrestling with Title IX," November–December 2001). Having been instrumental in bringing girls' varsity hockey into my daughters' high school, I have seen firsthand the obstacles placed in front of girls' and women's sports programs by Neanderthals such as Coach J Robinson. Men's sports have at least a 100-year start on women's sports, yet men such as Coach Robinson expect women to be equal in ability and interest virtually overnight. Even after the girls and women get a sports program, men such as Coach Robinson make it their mission in life to see to it the program fails. I don't care for wrestling, but I would certainly argue you have a right to have a wrestling team. Girls and women have the same, equal rights your wrestlers have. We live in a democratic country and our girls and women do not have to live by repressive Taliban rules.

H. JOHNSON (B.S. '78)
Wadena, Minnesota

Athletics Is a Business

I personally think Title IX is not fair. If women's sports cannot be supported by their own income, they should be canceled. If football or wrestling bring in a ton of money, I see no problem paying the coaches of that sport a lot of money and letting them give away a lot of scholarships. If some sport is not bringing in much revenue, they should not give out scholarships. Athletics is a business and it should be run as such.

MARY JANE KOVORTNICK
Minneapolis

Hands off Minnesota

Carnegie Mellon University professor Richard Florida says: "What you want is to turn it [the University of Minnesota] into Berkeley or UCLA" (Campus Digest, March–April). If you do, count me out!

GEORGE GLOTZBACH (B.A. '53)
Santa Fe, New Mexico

Earlier Smoking Research

Your short note "Sick of Smoke" (Faculty Research, March–April) reminded me of my 1948 research and report in the *Medical Bulletin*. I reported that lung cancer was



being caused by cigarette smoking. The *St. Paul Pioneer Press*, knowing that this was a "first," gave it a big headline, but no one else did. Look up "A Biography of Lung Cancer" in the *Bulletin* of the Minnesota Medical Foundation and Medical Schools. Thank you for a good magazine.

B.J. O'LOUGHLIN (M.D., Ph.D. '50)
Newport Beach, California

We're All Free to Choose

You embarrass and dismay U of M alumni by featuring, even publishing, "On Race and Space" (March–April). It is black propaganda designed to blame white people for black faults and failures. It is permeated by [half-baked] perceptions of space dynamics and specious reasoning.

The spatial pattern of residential settlement in America is the natural result of automotive technology and freedom for people to choose location and communities that maximize their lives' satisfactions. It is not a white scheme to disadvantage blacks. Blacks are also free to choose where to live, even in white communities! Infrastructure development must be coordinated with where people want to live. Highways and roads are paid for by highway user taxes. It is inner city subways, etc., that are subsidized out of general revenues.

LLOYD HALVORSON (B.S. '39, Ph.D. '43)
Warrenton, Virginia

Appalled

I was appalled at your choice of the cover for the March–April issue ("On Race and Space"). It is hard to believe that only 250

years ago we fought a revolution in this country based upon a small complaint like taxation without representation. Our forefathers would be shocked to see the intervening years of rule, regulation, ordinance, code, and law after law stacked one upon the other and all designed to chip away at the freedoms they won. John Powell is but the latest example.

Apparently Mr. Powell feels that it is his right to tell people where they should live and with whom they should associate, never mind their right to choose or the right of freedom of association. We should not be allowed to follow our dream and choose our associates because everyone might not be able to make those choices. What nonsense. Perhaps if Mr. Powell spent his time cleaning up the crime-ridden inner cities he seems to cherish he might be able to get people to voluntarily return. Instead, like most ideologues he would resort to the force of rule and regulation and kill yet another freedom. To Mr. Powell I say no thanks. I will live in the best community I can afford and choose those with whom I will associate. I shall choose like-minded people who share my culture, tastes, and sense of values. That is the freedom I have earned by my own efforts.

The choice to feature Mr. Powell was particularly egregious given the article about Philip Brain in the same edition. Mr. Brain's survival of the Bataan Death March and the care he gave his fellow soldiers did more to serve this country than will a thousand Mr. Powells. Mr. Brain should have been the cover story: He fought for freedom while Mr. Powell seeks to destroy it. In fact, your choice between the two speaks volumes about your sense of values, freedom, and politics.

EDWARD BARNETT (B.A. '74)
Wauwatosa, Wisconsin

What's at Stake

Thank you for the article on John Powell and urban sprawl. This is an important topic that needs to be discussed at city, county, state, and federal levels. The vitality of our communities and our quality of life—not to mention justice and equal opportunity—are at stake.

C.T. RITCHIE (B.S. '84)
St. Paul

Amazed

I am amazed that you have not posted the John Powell article "On Race and Space" on your Web site after going to the trouble of publishing it in your magazine. I happened to see *Minnesota* and the John Powell article in a co-worker's office and later sought out the story on-line so I could share it with friends, colleagues, and my representatives. I can't help but think that your refusal to make this available on the World Wide Web is yet another slight to minority communities.

RENEE DEROSIER
Hartford, Connecticut

Editor's note: "On Race and Space" is available on the Web site of the Institute on Race and Poverty at the University Law School. Visit www1.umn.edu/irp/znewsart.html. Because *Minnesota* is a member benefit, not all content is posted on-line. In addition, the magazine does not own electronic publishing rights for articles written by freelancers.

Let's Move on

You point out that John Powell believes that reasonable historians will conclude that there is a conspiracy versus people of color. You mean, or he means, I guess, they are reasonable so long as they agree with him, but not otherwise.

When I attended the University of Minnesota under the G.I. Bill, some areas were too stuffy to let Japanese Americans live there, even though some of their people were put in barbed-wire, armed-guard prison camps in the U.S. in WWII for no valid reason. And then those POWs or their family members fought the war in Europe and the Pacific with the highest rate of them becoming [killed in action] in Europe, just to preserve for these stuffed shirts the right to be stuffed shirts with biases.

I have personal acquaintances like these; for example, one who watched the Pearl Harbor bombing from outside the gates and was exposed to airborne machine gun-fire herself. Her brother was in the 442d Regimental Combat Team. Another brother was in the Army. Another was an Air Force pilot. Yet in Minneapolis she was prevented from living where she chose. But she didn't stand around wringing her hands about it. Despite those people who refused her living where she chose, she became an outstanding teacher to some of their own Minneapolis children in the local school system. She also taught them tolerance and

understanding, which they did not learn from their parents. But those kinds of days are mostly over. Powell should put to rest the '20s and '50s you write about, as most of us have, and concentrate on the nows. Of course I don't mean to literally forget them, but let's move on.

LENNY HERRST (B.S. '55)
Torrance, California

Remembering Harold Stassen

The cover of the May-June *Minnesota* showing 72 covers of past issues was most interesting. I noted the April 1950 cover featured Harold E. Stassen, an alumnus of the U of M (B.A. '27, J.D. '29), as a reunion speaker. Also, in "A Century of Stories," the March 1945 issue noted a story about Commander Stassen discussing his mission as a delegate to the United Nations charter conference to be held in San Francisco.

He was on active duty serving as flag secretary to Admiral "Bull" Halsey on the USS *Missouri* when he was ordered by the president to report to Washington to become one of eight U.S. delegates. He was later selected by the World Press as one of the two delegates most influential in the drafting of the charter. He returned to the *Missouri* in time to be engaged in the battle of the Philippine Sea. After the Japanese surrender, intelligence information indicated that submariners and airmen were in danger of being killed before the formal surrender ceremonies, which were to be held two weeks hence. Halsey then ordered Stassen to lead a mission to rescue and release 14,000 American and Allied POWs from prison camps on the Japanese mainland. Mission accomplished in four days. He was awarded a Bronze Star for that mission upon the recommendation of Admiral Halsey.

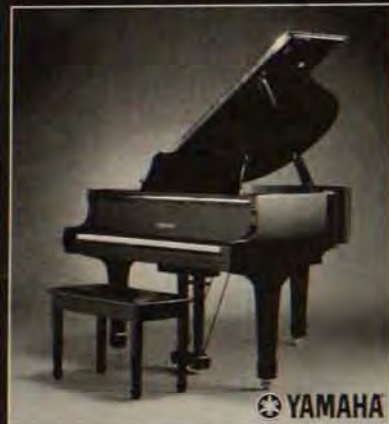
I write this letter to thank the alumni association magazine for these items of recognition. Why should I be so pleased over this modest recognition? During the 150th anniversary of the U of M, 150 top alumni were listed in the anniversary celebration brochures. Surprisingly and disappointingly, Harold E. Stassen was omitted from that list. So, thanks again.

J. ROBERT STASSEN (B.A. '51)
Mendota Heights, Minnesota

Please send your letters to the editor to: *Minnesota*, McNamara Alumni Center, 200 Oak St. SE, Suite 200, Minneapolis, MN 55455. Or e-mail to: fling003@umn.edu. Letters may be edited for style, length, and clarity.

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A compendium of news from around the University—research, promotions, program developments, faculty honors. Edited by Chris Coughlan-Smith

Campus Digest

Yudof Leaves Minnesota on the Upswing



When University of Minnesota President Mark Yudof was lured back to Texas to take over the 15-campus university system there, he left behind an impressive record. "Mark Yudof has built a great foundation for this University of Minnesota," Maureen Reed, chair of the Board of Regents, said at a news conference May 31. "The accomplishments are many and they are outstanding." Texas reportedly will pay Yudof almost double the \$350,000 salary he earned at Minnesota. He will head up a much larger system, one in which he spent over two decades as a professor, dean, and provost of the Austin campus. His ties to that community were one of his reasons for moving on. "This was an intensely personal decision," he said at the news conference, where he announced his decision. "Texas is where we lived for 26 years. . . . It is home to us in a way." In his five years at the U, he had significant successes.

One of his first rallying cries was to beautify campus. Indeed, through renovation of historic buildings, more attention to grounds and facilities, and legislative support through bonding, the University looks better than it has in decades.

Yudof identified several interdisciplinary "strategic initiatives" designed to build on the University's strengths in biology, medicine, computer technology, media, design, agriculture, and the U's graduate school. Research rankings have continued to climb. He also takes pride in helping "bring a great medical school back from the brink," he said. He convinced the state legislature that more support was needed and he approved actions such as the sale of the University Hospital to the Fairview Health System.

Continuing work begun by Nils Hasselmo on improving the undergraduate experience, Yudof sought to make the U a "more humane place" to learn and work. In his

What People Are Saying

"He brought to the University a sense of vision and a plan to achieve that vision. We have a better sense of where the University is going now than we used to."

—Minnesota Rep. Peggy Leppik, R-Golden Valley

"Minnesota's loss is Texas's gain. . . . Mark came up here and gave his heart and soul to the job for five years."

—Minnesota Governor
Jesse Ventura

"He personalized the office of the presidency. He taught a course. I think that always gets you in touch with people. He walked the campus. . . . He was always personable; he was always charming."

—Former Minnesota Governor
Arne Carlson

"He understood the language. He understood the issues. He could relate to the business community. You wanted to cooperate with him."

—Dick Listad, retired 3M executive

"I've had nothing but good experiences with President Yudof. Overall, I think the University has a lot higher profile than it did three years ago."

—Joshua Colburn, student body president,
Twin Cities campus

"Obviously, Texas has been watching Yudof's performance as president of the University of

Minnesota. . . . President Yudof has a remarkable ability to envision the future of an institution and then garner support to make his vision a reality."

—UMAA President Bruce Nelson

five years, applications have skyrocketed, the quality of incoming classes has continued to rise, the percentage of students living on campus has increased, and leading professors have taught a growing number of freshman seminars. (Yudof also taught freshman seminars.) And he oversaw a successful campaign to raise \$1.3 billion in private funds.

Yudof worked through both the academic cheating scandal in the men's basketball program and a painful restructuring of the overall athletics program, including consolidating the separate men's and women's departments.

In the last few years, as his efforts to maintain and build quality have run up against declining public subsidies, Yudof has become a leading figure in the national discussion over the future of the public university.

Reed said that although the University will miss Yudof, it will find a successor to continue the momentum. "The next president of this university will be very grateful that he or she is standing on the shoulders of Mark Yudof," she said. "The only direction we are going is up. We like up. We got used to up with President Yudof."

Yudof will remain at the University of Minnesota until late summer, when interim president Robert Bruininks, the University's executive vice president and provost, will take over (see sidebar). Look for more coverage in the September-October issue of *Minnesota*.

Bruininks Named Interim President

Bob Bruininks was introduced June 7 as the interim president of the University effective August 1. Bruininks was the executive vice president and provost, the chief academic officer for the Twin Cities campus and considered the second in command. He intended to take a year's sabbatical beginning June 30 and then return to teaching in the College of Education and Human Development, where he served as dean for six years in the 1990s. "The opportunity to serve was one I could not refuse," he said at a press conference announcing his selection by the Board of Regents.

Outgoing President Mark Yudof said the regents made "a superb choice" in naming Bruininks, whom regents unanimously approved. Yudof added that the two worked "very much as a team" on every major decision over the last five years.

The search for a permanent president should take between six months and a year. Bruininks said he will not be a candidate for the position. "This is an interim period, but it is not a period to stand still. I expect to be an activist interim. I think the University community deserves no less."



Maureen Reed,
Board of Regents
chair, with newly
named interim
president
Bob Bruininks

About Bob Bruininks

Born: February 22, 1942, in Michigan

Family: Married, three sons

Education: B.S., 1964, Western Michigan University, special education, music, and social science
M.A., 1965, Vanderbilt University, education
Ph.D., 1968, Vanderbilt University, education

University of Minnesota experience: Faculty member since 1968
Dean of the College of Education and Human Development, 1991-97
Executive Vice President and Provost, 1997-2002

Focus: He is committed to continuing to improve undergraduate education, increase faculty pay, and focus on strategic areas. "Good universities do not do well when you lurch from new idea to new idea," he said. "The best approach is to maintain strong continuity. . . . Our direction is sound. We have picked the right ideas and priorities."

Overheard on Campus

"Some credit him with saving more human lives than any other person in history."

—National Academy of Sciences President Bruce Albers, announcing that the 2002 Public Welfare Medal, the academy's top award, would go to Norman Borlaug (B.S. '37, M.S. '41, Ph.D. '42). Borlaug led the "green revolution" that developed disease- and drought-resistant grains to feed a growing world. Borlaug has also earned the Nobel Peace Prize (1970) and the Presidential Medal of Freedom (1977).

The Showboat Opens



When the curtains were raised on *Dr. Jekyll and Mr. Hyde*, the first production aboard the new Minnesota Centennial Showboat, nostalgia abounded. Not only does the boat serve as a grand replacement for the original, which burned in early 2000, but some greats out of the University Theatre's past have collaborated to put on the show. Michael Harvey (Ph.D. '69) came on board as director, while Mathew LeFebvre (B.A., '87, M.F.A., '96) designed the costumes and Jean Montgomery (M.F.A. '71) did the lighting. The musical director is Vern Sutton (Ph.D. '74), former director of the Department of Theatre Arts and Dance, and two-time Emmy Award winner Dahl Delu (M.F.A. '79) designed the sets.

"[The project] was very intriguing to me," says Delu, who lived on the boat as a student during the summer of 1963. "The experience of living on the Mississippi is indelible.

"The interior space is going to be terrific," Delu continues. "[The Showboat] will be a work in progress—and age and grow wonderfully like the original boat did. It is so exciting that this experience of living and working on the Showboat is being passed on to more young people. It's a very rare opportunity in educational theater."

In the showboat tradition, Leonard Caddy's theatrical adaptation of Robert Louis Stevenson's novel *The Strange Case of Dr. Jekyll and Mr. Hyde* features *olios*—short, humorous musical numbers that separate scenes. Actors encourage the audience to boo and cheer during the melodrama.

Performances run through August 25. Tickets range from \$49.95 for a prime-rib dinner cruise and show to \$13 for an afternoon show-only matinee. For tickets, call the Padelford Packet Boat Company at 651-227-1100.

Student cast members (left to right) Amanda Broge, Paul Stimmler, Scott Reynolds, Jillia Pessenda, Brandon Williams, Scott Gilbert, Ryan Grimes, Zach Hill, Mike Russinik, Abbie Boettcher, Rachel Petrie, Aaron Kline, Brooke Jackson, and Andrea Uselman



Accessible Art

With more than 30 works of art, the University of Minnesota has one of the nation's largest public art collections at a college or university. One of the newest additions is a setting with two bronze bulls (untitled) by Peter Woytuk, near Haecker Hall on the St. Paul campus. Some works have been gifts to the University; others have been commissioned (state law allows the University to use 1 percent of construction funds for public art). A map and brochure describing the University's public artworks is available at the front desk of the Weisman Art Museum or by calling 612-625-9494.

Student Snapshot

Today's University of Minnesota freshmen differ in many ways from first-year classes of the recent past, according to a report from the University of Minnesota Office of Admissions. Here are a few statistics:

New freshman enrollment	
1992	3,264
2001	5,343
Freshmen of color enrollment	
1992	582
2001	905
Freshman average high-school rank	
1992	72 percentile
2001	77.1 percentile
Freshmen living in University housing	
1991	1,921
2001	4,041

Source: "The Freshman Transformation on the Twin Cities Campus: The Results Speak for Themselves," prepared by the U of M Office of Admissions

Did U Know?

What: The Hormel Institute

Unit of: University of Minnesota Graduate School

Location: Austin, Minnesota

Established: November 1942 with the help of Jay C. Hormel

Mission: To conduct research and education in the biological sciences with applications in medicine and agriculture

Funding: In 2000–01, more than \$1.3 million from the Hormel Foundation, about \$1 million in research grants, and \$118,000 from the University (total budget was \$2.8 million)

Personnel: More than 50 employees, including more than 30 scientists, researchers, and lab technicians

Focus: The Hormel Institute is a national leader in lipid research. (Lipids are one of the main components of living cells.) Early work during and after World War II focused on antioxidants and food preservation. Today the institute continues to look at how lipids regulate cells, especially as relating to nutrition, heart disease, and cancer.

Current work: New studies have advanced understanding of cancer-fighting properties in fruits, vegetables, and green and black tea and the disease-suppression role of omega 3 fatty acids (found in fish, walnuts, and flaxseed). Other studies involve how alcohol use affects various cells; obesity and weight gain in breast cancer; and more basic research in the role of lipids in cancer and cell regulation.

Web site: Visit www.hi.umn.edu

A Less Buggy World

By studying plants, a team that included University of Minnesota biologist George Weiblen has concluded that the world is far less buggy than some experts believed. The researchers' findings indicate that the predicted number of total arthropod species (mostly insects, spiders, and crustaceans) on earth is far too high. Instead of more than 30 million, there are likely between 4 million and 6 million. In establishing a more accurate figure, scientists can better estimate the rate of biodiversity loss and refine strategies to preserve species. The study, funded by the National Science Foundation, looked at 51 rain-forest plants in New Guinea and more than 900 types of plant-eating insects. Contrary to prevailing thought, insects did not tend to feed on a single plant or a few closely related plants. Rather, they typically ate numerous plants of the same family. Estimates of plant-eating insects that had been based on plant surveys and the idea that insects were specific in their feeding had to be revised downward. Researchers extrapolated their findings to all arthropods to come up with the new figure, which closely matches estimates based on insect samples taken in tropical forests. The total number of species of all kinds on earth is unknown, with estimates ranging from 6 million or 7 million to more than 50 million. Of the 1.8 million species scientifically described thus far, about half are arthropods. The study was reported in the April 25 issue of *Nature* (www.nature.com).

Faculty Research

A look at recent University of Minnesota studies, research, discoveries, and rankings

Classroom Connection

Students who enjoy their classrooms and classmates appear to have a lower incidence of violence, substance abuse, suicide, sexual activity, and other risky health behaviors, according to analysis at the University of Minnesota. The analysis of data from the National Longitudinal Study of Adolescent Health follows earlier University findings that students who feel connected in school have significantly lower incidence of risky behavior. The new study, released April 11 and led by Dr. Robert Blum, looked at what creates that feeling of "connectedness." Among the findings is that classroom management—getting students to care about the subject, the assignments, and each other—is far more important than class size, the type or location of a school, or the number of experienced or highly educated teachers at a school. As overall size of a school increases beyond the optimal, however, students feel more alienated. The study concluded that schools of fewer than 600 students best foster feelings of connectedness but, due to a lack of resources, experience lower academic achievement than schools with 600 to 1,200 students. In schools with enrollment larger than 1,200, achievement falls off, along with the feeling of being connected. The study was performed with written surveys filled out by more than 71,000 students during the 1994–95 school year, along with administrative questionnaires about the schools. The study was published in the April issue of the *Journal of School Health* (www.jsh.org) and as a report *Improving the Odds: The untapped power of schools to improve the health of teens*, which includes strategies for parents, teachers, and administrators for increasing school connection. The report is available at <http://allaboutkids.umn.edu/>.



Bile on the Brain

An acid found in the bile of gall bladders may be an ideal natural treatment for stroke victims and others, according to a study at the University of Minnesota and the University of Lisbon in Portugal. In trials with rats, tauroursodeoxycholic acid (TUDCA) used within an hour of an induced stroke resulted in a 50 percent reduction in brain damage compared with untreated rats. The molecule apparently disrupted the process of brain-cell death and essentially protected the cells from damage. This finding led study author Dr. Clifford Steer to speculate that TUDCA could be used to fight other degenerative brain diseases. A follow-up study by Minnesota researchers on Parkinson's disease is ready for publication, and studies on feeding TUDCA to mice with induced Alzheimer's and Huntington's diseases are planned. TUDCA is currently used to treat a form of cirrhosis and is being investigated in various other liver ailments. The stroke study was reported in the April issue of the *Journal of Cerebral Blood Flow and Metabolism* (www.jcbfm.com).

A look at Campaign Minnesota's successes and the priorities ahead as the campaign enters its final year. By Joel Hoekstra

Campaign Update

A Call to Action



CAMPAIGN MINNESOTA
UNIVERSITY OF MINNESOTA

As Campaign Minnesota, the historic drive to raise \$1.3 billion for the University of Minnesota, charts its final year, alumni can be proud that the campaign has already surpassed its initial financial goal, significantly affecting life, research, and teaching across the University's colleges and campuses.

But critical challenges remain. Several important priorities still must be achieved before the campaign ends on June 30, 2003. Funding is needed for scholarships and fellowships for students; for libraries; and for specific college and campus initiatives. With the transition to a new University president—Mark Yudof has resigned to become chancellor of the University of Texas—completing every campaign objective is vital to sustaining the momentum generated at the U in recent years. “The successful completion of the campaign will give the new president a wonderful foundation to build upon,” says campaign chair Russ Bennett (B.S. '50, J.D. '52).

What: A historic fund-raising drive to ensure greatness at the University of Minnesota for future generations. Began July 1996 and concludes in June 2003.

Goals: The campaign has reached its initial dollar goal of \$1.3 billion, but key priorities remain in need of funding. They are:

- *Student support:* \$38 million for scholarships, fellowships, and student enrichment activities such as study abroad.
- *Libraries:* \$5 million for building and maintaining collections, technology, and services.
- *Campus and college goals:* At least \$100 million for specific needs in all campuses, colleges, and programs.

Who: All gifts, of any size, count toward the campaign.

How to participate: Consider making a first-time or additional gift to Campaign Minnesota today. You may designate your gift to the college or program of your choice. Here's how:

- *Online:* Visit www.campaign.umn.edu to make a gift by credit card.
- *By phone:* Call 612-626-8560 or 800-775-2187 to make a gift by credit card, or call 612-624-3333 for more information.
- *By mail:* Use the gift envelope enclosed in this issue of *Minnesota* (see page 52).
- *Estate gifts also count.* Call 612-624-3333 for information.



Information Architect

As the U's new director of libraries, Wendy Pradt Lougee oversees a staff of more than 300 and a collection encompassing nearly 6 million print volumes, 45,000 serial subscriptions, 5.7 million microforms, 2.6 million government documents, and 400,000 maps. But those figures don't include the incalculable digitized data that library users increasingly access. Lougee sees providing a framework and tools for mining that digital mountain as her chief concern.

“Everybody—faculty, students, administrators, and the public—needs to redefine the concept of library. Yes, a library still has long stacks of books. It still has collections. It still archives research papers, historical documents, and photographs. But the Internet has made it possible to be so much more. It's my challenge to help the University of Minnesota campus deal with the chaos of today's digital information explosion.”

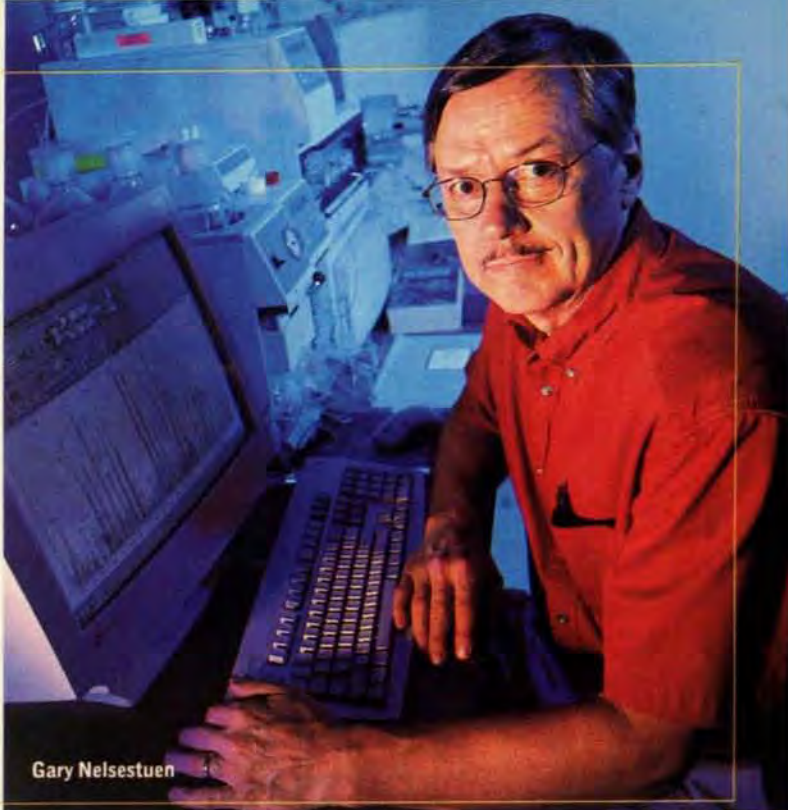
Getting the Science Right

Perhaps only lottery winners know how University professor Gary Nelsestuen felt in 1998. After a quarter century of work to understand how proteins cause or prevent blood clotting, the biochemist made a breakthrough discovery: He found that in promoting clotting, mutated proteins were 10 to 20 times more effective than their natural counterparts. Government research grants poured in. Eli Lilly licensed the modified protein for potential use in treating blood-clotting disorders.

Yet just a year earlier, Nelsestuen's research seemed doomed. His ideas about mutant proteins bucked the established thinking in the field. His grants were not renewed, and, without funding, the number of graduate students and staff in his lab rapidly dwindled. With time and money running out, Nelsestuen poured all his efforts, graduate assistance, and financial support into the protein project. It was a gamble that paid off.

Nelsestuen now holds the privately funded Samuel Kirkwood Chair in Biochemistry. The endowed position frees him to pursue projects he believes important—whether the ideas are popular or not.

Funds for research in proteomics, mass spectrometry, and other areas of biochemistry have since flowed to the University in the wake of Nelsestuen's 1998 findings about proteins. But, says Nelsestuen, getting the science right was the true prize.



Gary Nelsestuen

Stomping Out 'Boring Giving'



Edna May Taylor practices "creative philanthropy." The University benefactor, who once declared that she hated "boring giving," has contributed more than \$7 million to the University. (Her late husband, George Taylor, who graduated in 1934 with a degree in mechanical engineering, was co-benefactor for many of those gifts.) Her most recent gift of \$100,000 helped to raise \$900,000 to keep men's and women's golf and men's

gymnastics funded for an additional year.

Taylor's gifts have run the gamut, from endowing a professorship to supporting youth with skills in math. In addition, she's given money for the purchase of several golf carts for shuttling elderly and disabled visitors around the Twin Cities campus. And in 1992 she donated \$50,000 if then-provost Jim Infante would quit smoking. He did.

Education with Global Reach

A shrinking planet requires that tomorrow's leaders have an international perspective. Opportunities such as study abroad offer students a hands-on chance to learn about the world and its diverse cultures. Dollars for student support—a priority for Campaign Minnesota—are vital to making such experiences broadly available. Why get real-world, around-the-world experience? Participants explain:

Elizabeth Rosar

The political science major spent 10 weeks this summer doing HIV/AIDS education in Jamaica. A \$2,000 grant funded her trip.

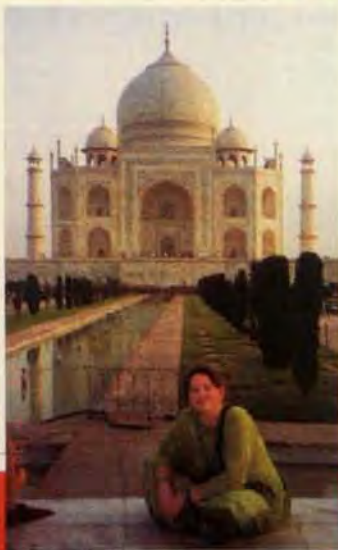
"In the U.S., the government funds treatment for HIV/AIDS with the Ryan White Care Act. In Jamaica, there's no such financial support and HIV/AIDS is widely misunderstood. I wanted to see how different cultures deal with this issue, and I'd eventually like to work in West Africa doing HIV/AIDS work."

John Hoekman

Studying physics in Hong Kong gave the Institute of Technology senior an education in a variety of fields.

A travel grant and a scholarship funded his stay.

"I learned more in that one year than I did during the rest of college. If the point of going to the U is to get an all-round education, become prepared for life, and become an involved and effective citizen, then you need to get an international perspective."



Anne Cooper

The master's candidate in fisheries received a Fulbright Fellowship to study genetic conservation of Atlantic salmon in Norway.

"Last year, six populations of salmon in the U.S. were classified as endangered. We're just beginning to see problems that Norway has been dealing with for 30 years. Fish farming and attempts to save wild fish have driven that country's public policy for much of the past few decades, and I want to see how much science actually moves policy. It may provide lessons for what we do in this country."

As a senior, Rebecca Cranston traveled to India to research that country's history of education in relation to child development theory.

Campus Arts and Events



On Northrop Plaza

Laura Caviani performs July 24 as part of the University of Minnesota Summer Session free outdoor concerts on Northrop Plaza.

BOSTON THEATRE 2 WEEKS MONDAY, APRIL 29

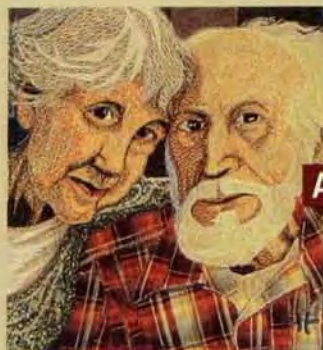


The Sandow Trocadero Vaudevilles, circa 1894, lithograph (poster), from the Billy Rose Theatre Collection, part of "On the Edge of Your Seat" at the Weisman Art Museum through August 4.

At the Weisman



Concert Stage, 1905, oil on canvas, by Everett Shinn, part of "On the Edge of Your Seat" at the Weisman Art Museum through August 4.



At the Goldstein

Counterpoint, by Deidre Scherer, part of "Material Witness: The Socio-Political in Contemporary Textile Art" at the Goldstein Gallery through August 18.

FAMILY EVENTS

BELL MUSEUM OF NATURAL HISTORY

10 Church St. SE, Minneapolis, 612-624-7083. Hours: Tuesday-Friday, 9 a.m.-5 p.m.; Saturday, 10 a.m.-5 p.m.; Sunday, 12-5 p.m.

Birds with Bob Zink

Learn how bird specimens are prepared and preserved and how this collection contributes to research around the world. July 22 through August 4. Call for exact days and times of demonstrations.

FinnFest '02

The 20th annual FinnFest celebrates Finnish culture with music, art, food, films, lectures, and panelists. Garrison Keillor is scheduled to host a *Prairie Home Companion*-style Finnish-American variety show. August 5 through 15 on the University's Twin Cities campus. Visit www.finnfest.org or call 651-647-0200.

FILM

FinnFest Film Fest

In conjunction with FinnFest '02 (see above), the University Film Society presents nearly two dozen films on Finnish topics. August 5 through 15 at the Bell Auditorium, 17th and University Ave. SE, Minneapolis. Visit www.ufilm.org or call 612-627-4430.

MINNESOTA LANDSCAPE ARBORETUM

Nine miles west of Interstate 494 on Highway 5 in Chanassan. Admission is \$5; free for those 18 and under. Call 952-443-1400 or visit www.arboretum.umn.edu.

Thursdays in the Garden

Enjoy live music, arts and crafts, and the summer gardens 5 to 8 p.m. every Thursday through August 29. Free with gate admission (waived Thursdays after 4:30 p.m.).

More Than Dirt . . .

Visit the Marion Andrus Learning Center each Saturday for activities in the Harvest Kitchen and Garden Shed. Through August 24 from noon to 3 p.m. Free with gate admission. Call 952-443-1422.

MUSEUMS AND GALLERIES

FREDERICK R. WEISMAN ART MUSEUM

333 East River Road, Minneapolis, 612-625-9494. Hours: Tuesday, Wednesday, Friday, 10 a.m.-5 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday and Sunday, 11 a.m.-5 p.m. Admission is free.

On the Edge of Your Seat

This exhibit—with more than 100 works of art, posters, playbills, costumes, and vintage theater lighting and motion picture equipment—looks at the responses of American artists to the new and evolving visual culture in popular theater and movie houses from 1890 to 1930. Through August 4.

GOLDSTEIN GALLERY

244 McNeal Hall, 1985 Buford Ave., St. Paul, 612-624-7434. Hours: Monday, Tuesday, Wednesday, Friday, 10 a.m.-4 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday and Sunday, 1:30-4:30 p.m. Admission is free.

Material Witness: The Socio-Political in Contemporary Textile Art

Nine fiber artists explore societal and political issues of particular interest to women. Through August 18.

KATHERINE E. NASH GALLERY

In Willey Hall, 225 19th Ave. S., Minneapolis, 612-624-7530. Hours: Tuesday, Wednesday, Friday, 10 a.m.-4 p.m.; Thursday, 10 a.m.-8 p.m.; Saturday, 11 a.m.-5 p.m. Admission is free.

Deep Flight

Sponsored by the Visual Arts Committee of the Twin Cities Student Unions. Through July 26 in the Main Gallery

Pixel/Image: Images by students of Gary Hallman

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MUSIC

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in Brief

University President Mark Yudof has accepted the chancellor position at the University of Texas system; Executive Vice President and Provost Robert Bruininks was named interim president June 7. Yudof's last day at the University has not been set, but he is expected to leave before August. "Making the decision [to leave the University] was excruciating because of the relationships we've built here," said Yudof, who came to the University July 1, 1997. Yudof and his wife, Judy, lived in Texas for 26 years. "It is home for us, in a way . . . [and] the older we get, the stronger the notion to go home," he said.

During his tenure, Yudof emphasized improving the undergraduate experience, preserving historical buildings, and investing in five academic initiatives: molecular and cellular biology, design, digital technology, new media, and agricultural research and outreach. In a letter to the University community, Yudof thanked faculty, staff, and students for working with him "to move the University forward in all parts of our mission." Yudof said he is confident that with continued attention to its strengths, the University "will thrive in the near term and the next 150 years." Bruininks's appointment takes effect no later than August 1. See page 8 for more on President Yudof's resignation.

The total value of state-approved building projects for the University is \$119.4 million, which includes the University's debt obligation and private contributions. On May 22, Governor Jesse Ventura issued his list of line-item vetoes to the capital bonding bill passed by the state legislature. Funding was approved for Higher Education Asset Preservation and Replacement (\$35 million), Plant Growth Facilities (\$17.7 million), Duluth Lab Science (\$33 million), Nicholson Hall (\$24 million), Crookston Bede Hall (\$7.7 million), and systemwide classroom improvements (\$2 million). Among the building projects vetoed are Jones Hall, Translational Research Facility, Morris Social Science Building, and Research and Outreach Centers.

Supporters of Gopher men's and women's golf and men's gymnastics have raised the \$900,000 required to extend the programs through June 30, 2003, and are close to raising an additional \$1.8 million to extend the teams through June 30, 2005. The University will then reevaluate the athletics department's financial condition. In April, Vice President Tonya Moten Brown had announced a proposal to eliminate the teams effective July 1, 2002, but the University agreed to keep the programs operating for another year if the money was raised. The deadline for raising \$1.8 million is February 1, 2003.

Former Gopher men's basketball coach Clem Haskins will repay the University \$815,000 over 11 years following a May 13 Hennepin County District Court order. The University filed a lawsuit against Haskins in September 2000 to recover \$1.5 million associated with his contract buyout after he admitted lying in the Universi-

ty's investigation of academic fraud in the Gopher basketball program. The court order adopts an arbitration award issued May 10 by former state District Court Judge Richard Solum.

A new code of conduct protects workers who make products licensed by the University. The code addresses 10 areas, including wages and benefits, working hours, child labor, and women's rights. If a licensee fails to follow the code or take corrective action, the University can terminate the license with 30-day written notification. For the full code, see www.umn.edu/urelate/newsservice/newsreleases/codeofconduct.pdf.

The Bill and Melinda Gates Foundation has given \$3.9 million to the Center for School Change at the Humphrey Institute. The gift will help educators, parents, students, and community members transform large public high schools in St. Paul, Cincinnati, and West Clermont, Ohio, into small public schools of choice. This is the Gates Foundation's third grant to the center.

The University again has been accredited by the Association for Assessment and Accreditation of Laboratory Animal Care, a private nonprofit organization that promotes the humane treatment of animals in science. The voluntary accreditation program has more than 640 members: companies, universities, hospitals, government agencies, and other research institutions.

Total National Institutes of Health (NIH) awards to the School of Nursing rose from \$467,000 in 2000 to \$2,446,568 in 2001. The school ranks 14th among 83 nursing schools based on the number of dollars awarded by the NIH. In 2000, the School of Nursing was 34th out of 90 schools ranked.

A garden for pets and their owners is being constructed next to the Veterinary Teaching Hospital on the Twin Cities campus. The Nestlé Purina Memories Garden, which will be dedicated in early September, will have private seating areas under mature trees and a walkway lined with various types of flowers. Donors may sponsor benches or bricks as permanent tributes to their pets or make donations toward landscaping. The funds will support construction of the garden and clinical research at the veterinary hospital. For information, call 612-625-5275.

The Board of Regents approved a design for \$1 million bus shelters on the Twin Cities campus May 10 after President Yudof assured the board he would carefully review the plans and, if necessary, come back to regents with recommendations. At the May 9 meeting of the Regents Facilities Committee, several regents raised concerns that the arched copper roofs of the shelters would obstruct the view of Northrop Mall and Coffman Union. The shelters, to be located on each side of Washington Avenue and constructed at the same time as the Washington Avenue pedestrian bridges, will each be approximately 1,030 square feet and accommodate 225 people.

The shelters cannot be moved further east or west to resolve aesthetic concerns because of issues such as traffic flow, sidewalks, and building setbacks, said Greg Fox, interim vice president of University Services. "[The Washington Avenue bus stop] is the major pickup point on campus and the second busiest bus stop in Minnesota," he said. ■

Pauline Oo is a writer in the Office of University Relations.

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A Storied

Ralph Rapson, former head of the School of Architecture and an internationally influential modernist designer, can still be found at the drafting board. His latest project: a glass conservatory for the University's Landscape Arboretum.

An unassuming door, painted black with a number missing from its address, stands along Cedar Avenue on Minneapolis's West Bank. Behind the door, a narrow flight of stairs covered in drab gray carpet leads to an office and what looks like a receptionist's desk. There's no receptionist; faint classical music greets visitors. From somewhere in the back of the office, a man answers the phone, "Rapson Architects."

The voice belongs to Ralph Rapson, one of Minnesota's most celebrated architects. The full name of the firm is Ralph Rapson & Associates, Inc., but these days the associates primarily consist of Rapson's son Toby (B.A. '94), the firm's president, who says that he's been working with his father on and off since he was 10 years old.

Rapson is most widely known as the designer of the Guthrie Theater, which opened in 1963 as a beacon for regional drama beyond New York. In design circles, he is recognized internationally as a leading modernist. And Rapson still casts long shadows over the University community, where he served as the acclaimed head of the School of Architecture and Landscape Architecture, as it was then known, from 1954 to 1984 (it became the College of Architecture and Landscape Architecture in 1989).

Since retiring from the University, Rapson has maintained his private architectural practice, founded in the same year that he took the post at the U. At age 87, Rapson still comes to the office every day, animated and invigorated by his profession. "One's favorite project is usually the one you're working on," he says.

These days Rapson is busy with preliminary design work for a project that will reconnect him with the University: plans for a shimmering glass all-season conservatory at the University of Minnesota Landscape Arboretum in Chanhassen, southwest of the Twin Cities. "Everyone that has seen it so far gets very excited," Rapson says of his sketches for the project. He seems as excited as anyone. He loves playing with design ideas and sees no reason to stop now. "I don't want to retire. I expect to be carried off on my drafting board," Rapson says with a chuckle. Besides, he adds, "For me, architecture is *not* work."

BY BURL GILYARD | PHOTOGRAPHS BY MARK LUINENBURG

Career



RAPSON'S LATEST PROJECT IS A GLASS CONSERVATORY FOR THE UNIVERSITY OF MINNESOTA LANDSCAPE ARBORETUM.

"I don't want to retire. I expect to be carried off on my drafting board," Ralph Rapson says with a chuckle. Besides, he adds, "For me, architecture is *not* work."

Sitting in a small conference area of his office in front of a wall heavy with awards and citations, Rapson still carries a professorial, avuncular air. His tortoise shell-framed bifocals hang from a lanyard around his neck and his bushy white moustache dances as he speaks.

He doesn't long for the days of wrestling with collegiate politics and budgets, but does feel a touch nostalgic about his students. "I think what you miss is the constant day-in and day-out association with young people," he reflects. "Their constant kind of probing and digging and their development as architecture students was always the great fun of teaching."

Rapson graduated from the University of Michigan, in his native state, and later studied at the prestigious Cranbrook Academy of Art, also in Michigan. In the late '40s and early '50s, he taught as an associate professor of architecture at the Massachusetts Institute of Technology and began forging his own design reputation with U.S. embassy projects in Stockholm and Copenhagen.

In 1954 he accepted the offer to head the University's School of Architecture. Asked if he ever envisioned leading the school for the next three decades, Rapson shrugs: "I gave up long ago trying to plan my life too far in advance. I'm a Midwest product. Coming to Minnesota back from the East wasn't that much of a jerk for me." While at MIT, Rapson recalls, many of his finest pupils came from the heartland: "One of the reasons I came here was some of the best students we had were from the Midwest."

Upon his arrival, Rapson began recruiting the area's top professional architects to serve as adjunct faculty. "I tried to balance pure academic educators with practitioners," he says. "I've always felt that it was far more proper to teach if one is involved in the reality of architecture."

Leonard Parker (B.S. '48) had been a student of Rapson's at MIT. "Best critic I ever had," Parker says of Rapson. "He's extraordinarily patient with sometimes pretty stupid students like me. He never patronized students; he treated them as if they were full-blown professionals."

Parker, chairman of the Leonard Parker Associates of Minneapolis, was also a longtime member of Rapson's faculty. "During his tenure, we were consistently ranked in the top five schools



RALPH RAPSON GOES THROUGH OLD ARCHITECTURAL PLANS IN HIS ATTIC.

in the country," notes Parker. "It has a lot to do with both the programs he established and the fact that he hired staff who were the best architects in the area."

Today, Rapson's educational legacy continues. After he retired, friends and colleagues donated money to fund what became the Ralph Rapson Traveling Fellowship, a competition open to University of Minnesota architectural graduates and local architects 40 years old and younger. "It offers young people an opportunity to travel and study," says Rapson. "This gives them a chance to expand."

This spring, the University announced plans for a permanent homage to Rapson's tenure. The Board of Regents approved renaming the existing architecture building and its new addition as Ralph Rapson Hall. The dedication is slated for October 5.

"I don't think I can really express my gratitude. I'm certainly deeply honored and deeply moved by it all," Rapson says. "In a sense I represented many other people who made great contributions to the school: students and faculty and staff. So in a sense I'd like to accept it in their name as well."

Rapson chose Minnesota over colleges in smaller towns in part because the Minneapolis-St. Paul area afforded a chance to build his own architectural practice, and indeed, he became a celebrated modernist designer of local homes, churches, and other buildings. But his crowning achievement was the



RAPSON AND SIR TYRONE GUTHRIE ARGUED OVER EVERY ELEMENT OF THE DESIGN FOR THE TYRONE GUTHRIE THEATRE IN MINNEAPOLIS, FROM THE COLOR OF THE SEATS TO THE APPEARANCE OF THE FACADE.

Tyrone Guthrie Theatre, as it was originally known. Rapson's vision won numerous awards and was hailed for its innovative yet intimate design. A framed elevation sketch of the Guthrie, circa 1960, hangs on the wall behind him.

But less than 40 years after it opened and after several renovations, Rapson's most admired building is marked for demolition. The Guthrie Theater plans to relocate along the riverfront in downtown Minneapolis, and Walker Art Center, the landlord of the building, wants to raze the theater to accommodate its own expansion plans. In the fall of 2001, Rapson

found himself at Minneapolis City Hall to voice his objections. Originally, he thought that he should stay out of the fray, but as he watched the process unfold, he became increasingly frustrated.

"I'm very disturbed and disappointed that an organization such as the Walker, which obviously has been a great force in the art world, would be so negative about what really is a very significant building," says Rapson. "It's disappointing to me that an arts institution would be so disrespectful."

The man who now holds Rapson's old job, Tom Fisher, dean of the College of

"We haven't necessarily treated his buildings well," says Dean Tom Fisher. "Maybe one of the good things to come out of all this [Guthrie Theater] controversy is that we are more attendant to the Rapson work that's still standing."

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"Serving in the Peace Corps in Iran turned my husband and me into compulsive travelers," says Peggy Lucas. "We're always planning trips to places like Morocco and China as well as road trips throughout the U.S." Peggy did both her undergraduate and graduate work at the U because it offered the courses she wanted and affordable tuition. She became a UMAA life member in 1992 and has been contributing to women's athletics ever since, giving female student-athletes the chance to go places too.

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Architecture and Landscape Architecture, notes that despite Rapson's unimpeachable reputation, "We haven't necessarily treated his buildings well." Fisher hopes that the fate of the Guthrie will underscore the importance of preserving other local Rapson projects. "Maybe one of the good things to come out of all this controversy is that we are more attendant to the Rapson work that's still standing and will try to cultivate an appreciation and respect for those projects," says Fisher.

In November 2001, the Minneapolis City Council voted to grant a demolition permit to the Walker. In March, the State Historic Preservation Office announced its opinion that the Guthrie was eligible for nomination to the National Register of Historic Places, although the building is not yet 50 years old, the standard minimum. But that finding alone can't protect the building from demolition, and activists at SaveTheGuthrie.org are fighting to save the theater from the wrecking ball.

Meanwhile, the Guthrie selected French architect Jean Nouvel to design its new home. Rapson says matter-of-factly, "They did not invite me to make a presentation."

Rapson's design sensibilities have left their stamp on the University community. Over the years, he designed a number of private homes in St. Paul's University Grove, the Rarig Center for Performing Arts (1972) on the West Bank of the Minneapolis campus, the Humanities and Fine Arts Center (1973) on the Morris campus, and (with the Stageberg Partners of Minneapolis) the U's Aquatic Center (1988). Rapson's office sits not far from campus on the West Bank, directly across the street from another one of his designs, Riverside Plaza, formerly called Cedar Square West.

The conservatory project for the Landscape Arboretum offers what Rapson loves: a fresh challenge. Although a part of the University, the arboretum is perhaps a secret to many who don't stray far from



RAPSON (WITH JOHN VAN DER MEULEN) DESIGNED THE U.S. EMBASSY OFFICE BUILDING IN STOCKHOLM, COMPLETED IN 1954. RAPSON WORKED ON AT LEAST 10 EMBASSY PROJECTS IN THE EARLY 1950S.



THE RARIG CENTER FOR THE PERFORMING ARTS FOR THE UNIVERSITY'S THEATER DEPARTMENT WAS COMPLETED IN 1972.

campus. The 1,030-acre site stretches across the towns of Chanhausen, Chaska, and Victoria and houses public gardens and horticultural research. "We don't get a lot of students out here," confesses Peter Olin, the arboretum's director. Olin joined the University's landscape architecture staff in 1974 and headed the program from 1977 to 1984, when he worked with Rapson.

"I knew he was a very creative designer," says Olin. "I think this is one of the things that keep an 87-year-old charged up. That's what he likes to do."

“During his tenure, we were consistently ranked in the top five schools in the country,” says Leonard Parker. “It has a lot to do with both the programs he established and the fact that he hired staff who were the best architects in the area.”



THE WILLIAM G. SHEPHERD HOUSE, COMPLETED IN 1957, WAS THE FIRST OF A NUMBER OF SMALL-BUDGET HOMES RAPSON DESIGNED IN UNIVERSITY GROVE NEAR THE ST. PAUL CAMPUS.



RAPSON DESIGNED THE GLASS CUBE, HIS VACATION HOME, IN AMERY, WISCONSIN, IN 1974.

Rapson modestly offers, “I guess he had some regard for my capabilities.”

The arboretum launched a \$65 million

fund-raising campaign in 1998 to pay for several projects intended to bolster programs and attendance. As of early May,

approximately \$47 million had been raised, nearly all of it privately. A new learning center was dedicated last autumn, and the next project calls for a new visitors’ center, which Olin hopes will open in the fall of 2003. Armed with Rapson’s preliminary renderings, Olin expects to begin raising money by the end of this year for the conservatory, which is currently projected for completion in 2007.

The glass-enclosed conservatory will offer year-round indoor gardens. “What I’m trying to do with this is avoid the look of most greenhouses,” says Rapson, pointing to a small model on the table in front of him. “This will have a great flutter and richness. It’s a great winter garden, if you will,” he says. Trying to describe the concept, he suggests that it will be evocative of when the ice breaks up on the North Shore. “It was like a pile of diamonds, my early sketches,” adds Rapson, who is renowned for the striking elegance and playfulness of his drawings. In May the Afton Historical Society Press published *Ralph Rapson: Sketches and Drawings From Around the World*, a follow-up to its lavish career retrospective, *Ralph Rapson: Sixty Years of Modern Design*. Of the new book, Rapson says, “It’ll be a lot of fun. So many architectural books get a little bit dull, I think.”

With his eye on more travel, Rapson underwent surgery to replace his right knee last winter. While recuperating from the operation, he fell and broke the femur in the same leg in January. He spent a good chunk of the winter housebound, but nevertheless kept working on designs and sketches when he could.

Rapson may have a new book out and a building being named in his honor, but he continues to focus on his vocation and his ideas for the new conservatory. “We still have an awful lot of work to do,” he says, “but I think it’s going to be quite an exciting building.” ■

Burl Gilyard (B.A. '92) is a Minneapolis-based freelance writer.

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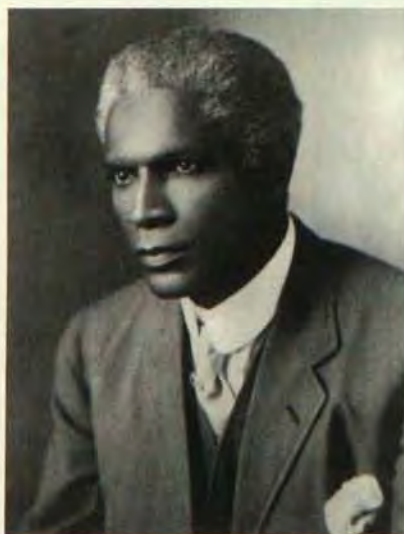
books

Fredrick L. McGhee: A Life on the Color Line, 1861–1912

BY PAUL NELSON, J.D. '77

MINNESOTA HISTORICAL SOCIETY PRESS, 2002

Paul Nelson, an attorney in Minnesota and former editor of the *Minnesota Law Review*, is executive director of Centro de Estudios Multiculturales in St. Paul. His biography of Fredrick McGhee recounts the life of Minnesota's first African American attorney, from his childhood as a slave in Mississippi, to the legal strategies he used in criminal cases, to his civil rights organizing that would lead to the establishment of the National Association for the Advancement of Colored People.



Fredrick McGhee in about 1910

Until that summer of 1889, Fred McGhee had been a rising young attorney in Chicago, well situated for a successful and lucrative career, with outstanding prospects for prominence in black society and politics. Chicago had a black population of over 10,000, including a substantial middle class and professional corps of teachers, ministers, physicians, dentists, and lawyers. McGhee had begun his career in 1885 as a protégé of Chicago's greatest black lawyer, Edward H. Morris, had run for minor public office, and had earned a top position in black society. He gave it all up to come to St. Paul.

It seems at first glance an odd decision. St. Paul and Minneapolis were booming at this time, but the combined metropolis of nearly 300,000 people included fewer than 3,000 African Americans, and their numbers were barely on the climb. The black middle class was tiny, and except for a handful of ministers, a mortician, and a newspaper editor, it included no professionals at all. By moving to Minnesota Fred McGhee had chosen to walk the color line in a most conspicuous and vulnerable way. As the first of his race to practice so public a profession, he could not avoid being seen as a representative of his people, in their eyes and to the community at large. But black Minnesotans could not provide him enough paid work to get along. To make a living he would have to attract white clients and prove himself in the all-white world of



The McGhee residence at 665 University Avenue in St. Paul. McGhee is in the front.

Minnesota courts. McGhee had put himself in the position of having to succeed as a “race” man while at the same time persuading clients, judges, and jurors to look past race.

All of his adult life Fredrick McGhee seemed compelled to reject the broad and easy path in favor of the narrow and thorny. At a time when nearly all black voters and leaders were loyal Republicans, he left the party of Lincoln to join the Democrats. When the vast majority of African Americans were Protestant, he joined the Church of Rome. When nearly all followed the lead of the revered Booker T. Washington, McGhee joined the camp of Washington’s rival, W.E.B. Du Bois. And when he could have enjoyed wealth, prestige, possibly even power among Chicago’s growing African-American masses, he chose instead to move to the nation’s coldest and whitest metropolis.

Fred McGhee had to do things his own way. In matters important to him, he preferred to be uncomfortably alone, and faithful to his own beliefs, rather than popular. His stubbornness cost him dearly. Had he remained a Protestant Republican Washington loyalist he would have had an easier life: more praise, more friends, more money. But it was precisely this principled and inconvenient stubbornness that made him so effective an advocate, a civil rights pioneer, and the greatest African-American public figure that Minnesota has so far produced.



The St. Paul courthouse, circa 1887, where McGhee tried his first Minnesota case.

BY ALEXANDRIA LAFAYE, B.A. '92

SIMON & SCHUSTER BOOKS FOR YOUNG READERS, 2001

Alexandria LaFaye's latest novel for young readers (ages eight to 12) is set in Minneapolis and centers on a hopelessly normal boy stuck in a quirky family. Life takes a strange turn when Ebon's father slips into a coma and then starts appearing as a ghost. Ebon and the power of family love must unite his father's spirit with his body lying in the hospital before it's too late. LaFaye, who teaches creative writing and children's literature at California State University, San Bernardino, is the author of four other children's novels.

Dad, in Spirit



I didn't think about Dad until the two-minute alarm on the stove went off. Dad slept in a lot because he stayed up so late hunting down oddball historical facts on the Internet for his authors. But he never missed saying good-bye.

Sometimes he showed up at the bottom of the stairs wearing his flying-toaster housecoat and basset hound slippers, or he shouted from his closet window. I didn't see him shuffling down the stairs with his hair looking like the victim of a static storm when I went to get my coat from the closet under the stairs.

I didn't really worry until we got outside. Joliet already sat in the car—goofy dads were worse than dorky little brothers on school days as far as she was concerned. Samuel messed around with his raincoat. He loved the way it crinkled when he moved, so he pretended to do a walk on the moon or something. I jumped off the front steps, then turned to wave at Dad. He wasn't there.

Joliet says I wear my heart in my pocket. I felt like it fell right in there when I saw that empty window. It was almost like Dad was my twin brother instead of my father. I could tell when he was in trouble. I ran back inside, nearly knocking Samuel over as

he planted a pretend flag. I'd climbed the stairs before Mom could shout, "Last one out the door jogs behind the car!"

Dad slept on his stomach, his arm tucked under his chest, one foot sticking out over the edge of the bed.

"Dad?" I knelt down and gave him a little shove. He didn't even moan.

I can't tell the rest. I get all shivery inside when I think of the ambulance, those strange people in white poking Dad with all those needles and tubes, the crackly radio, and screaming sirens. It all happened in slow motion. I watched from the hallway, seeing Dad lying on his back, those people in white hovering over him like anonymous angels looking for the reason Dad wouldn't wake up. Mom sat next to the pillow stroking Dad's hair, saying, "Luke? Luke?" She kept repeating his name as if he were just too tired to answer. I wanted to scream. I wanted to yell so loud the lightbulbs in the fixture above would break into a zillion pieces, "DAD, WAKE UP!"

He didn't.

Chinese Blackbird

BY SHERRY QUAN LEE, B.A. '85, M.F.A. '96

ASIAN AMERICAN RENAISSANCE, 2002

Like a memoir, the poems by Sherry Quan Lee tell of the author's upbringing as a child of a black mother and Chinese immigrant father, her struggles with racism and racial and sexual identity, and her triumphs over shame, doubt, and rejection. Quan Lee is administrative specialist for the Split Rock Arts Program in the College of Continuing Education at the University of Minnesota.

INCARNATION

Father escaped mother with his chow mein
and the flaming red-haired woman who

served it to him. Mother remained starched
white rice steaming in a black

kettle. Jesus was at the Lutheran church
across the street—I had access

to him *this white light of mine; I'm gonna let it shine
let it shine 'til Jesus comes; this white light*

of mine No one knew, Jesus and I weren't white
each of us conceived—immaculately.

Hungry for sweet potato pie and string bean chop suey,
I jumped the fence the neighborhood, the city.

At a monastery in New York I confess to a priest,
and twenty-seven poets that I am Black

and they, the Cave Canem poets, respond, *Amen.*
Sticky Rice, publishes my poem, "White Dragon"

no one says: *you're not Asian.*
I shave my head. Thank you Nikki Giovanni,

Sapphire, Ndegeocello. I am a Buddhist
nun, burn the chapters of my memoir
one by one.



The Ghost of John Wayne and Other Stories

BY RAY GONZALEZ

THE UNIVERSITY OF ARIZONA PRESS, 2001

In his first collection of short fiction, Ray Gonzalez writes about Texas border country—a place that is haunted by legends and history and whose cultures are blended and divided. An award-winning poet, essayist, and editor born in El Paso, Texas, Gonzalez is an associate professor in the Creative Writing Program at the University of Minnesota.

FROM “INVISIBLE COUNTRY”

Mario rose from his crouching position behind the pile of tumbleweeds to get a better view of the two Border Patrol officers pulling the body from the Rio Grande. He knelt down again when he thought one of them spotted him across the swollen river. They struggled up the bank, the heavy, bloated body between them. When they disappeared in the tall cattails, he let out his breath. He didn't think they would return to the water's edge. He had seen the drowned man trying to cross the river an hour before the Border Patrol van had pulled into the cottonwoods beside his grocery store, whose back faced the water, which was twenty feet from his fence. Mario saw many things from there—high school kids partying naked, and trucks from the cement plant dumping strange-colored chemicals in the water. Most of all, Mario observed the people who hurried through the thick vegetation across the river. The majority were illegal aliens from Mexico. Mario had gathered tumbleweeds, tree trunks, pieces of wood, and the rusting frame of a 1953 pickup truck against the fence, a mass of junk and wild growth like any other spot along the river. It was the ideal place to hide and watch whatever came by.

He liked to get out of the store each day after the evening rush. As the owner of the only grocery store in town, he talked to many people every day. Dealing with so many people made him nervous. Therefore, each evening he left Neto, the boy he hired to help him, in charge, unlocked the back gate to his property, closed it behind him, and found a comfortable spot in the camouflaged area. There, he sat on one of the logs and gazed across the rapidly flowing water. Most nights, there was nothing to see. Across the river, rolling hills led west into the desert. Sometimes, things happened to change the deceptively peaceful atmosphere. Each



day, Border Patrol vehicles drove along the opposite bank but rarely stopped. A Border Patrol van was the last thing he usually saw before returning to his store. A half hour of gazing was all he needed. Then he was calm enough to help Neto clean up for the nine p.m. closing. He rarely missed his nightly escape to the river.

That evening, he had not seen the man drown, but witnessing the Border Patrol agents pulling him out was the most disturbing thing he'd seen in all of his years of watching the river. Where did they take dead illegal aliens? He was about to return to his store when he saw one of the officers through a gap in the cattails on the opposite bank. The man drew his gun from his holster and looked down at the ground. The gunshot echoed across the water. A cloud of blue smoke rose around the officer, who holstered his gun and disappeared.

Mario had seen them dump the body into the back of the van, so what was the officer shooting at? He rose ten minutes later and went to help Neto close. Rounding the corner of the building, he heard car motors in the distance.

more books

A SHORT LIST OF BOOKS BY
UNIVERSITY ALUMNI AND FACULTY
PUBLISHED IN THE PAST YEAR.

AGING

Choices at the End of Life

By Linda Norlander, B.S.N. '74, M.S. '98, and Kerstin McSteen, B.S.N. '81, M.S. '02

FAIRVIEW PRESS, 2001

Subtitled "Finding Out What Your Parents Want before It's Too Late," this book aids a conversation with aging parents about their wishes for life-support, funerals, and other "end-of-life" issues. It offers concrete advice on how to create a living will, avoid family disputes, and honor a parent's final wishes.

ANTHOLOGY

The Kerlan Awards in Children's Literature, 1975-2001

Edited by Ruth Berman, B.A. '63, Ph.D. '79

POGO PRESS, 2001

Since 1975, the Friends of the Kerlan Collection (the collection is housed at the University Libraries) have awarded an annual prize for overall achievement to a children's author or illustrator. Collected in this volume are the acceptance speeches of the recipients, biographical information, background articles, and illustrations.

ART AND ARCHITECTURE

Cap Wigington: An Architectural Legacy in Ice and Stone

By David V. Taylor, B.A. '67, Ph.D. '77, and Paul C. Larson

MINNESOTA HISTORICAL SOCIETY PRESS, 2001

This biography of St. Paul's Wigington, the nation's first African American municipal architect, recounts the struggles and triumphs of a talented designer facing long odds. The book includes images of buildings, designs, and the five ice palaces Wigington designed.

Ralph Rapson: Sketches and Drawings from Around the World

By Ralph Rapson

AFTON HISTORICAL SOCIETY PRESS, 2002

The former head of the U's School of Architecture, Rapson fills every page with drawings from throughout his career, in which he designed buildings around the world. The artwork is accompanied by his comments.

CHILDREN'S LITERATURE

Going to School in History

By Kerry Graves, B.A. '90

CAPSTONE PRESS, 2001

A series of books for middle-grade readers covers schooling during

historical American times: pioneer times, the Civil War, and the Great Depression.

Save the Colors: A Civil War Battle Cry

By Joanne A. Reisberg, B.A. '55

WHITE MANE PUBLISHING, 2001

This historical novel tells the story of a 12-year-old boy who joins the First Minnesota Regiment at the Battle of Bull Run.

DEATH AND DYING

Forever Ours: A Forensic Pathologist's Perspective on Immortality and Living

By Janis Amatuzio, B.S. '75, M.D. '77

MIDWEST FORENSIC PATHOLOGY, 2002

Amatuzio retells stories of visions, experiences, and communications experienced by families dealing with the deaths of their loved ones.

ESSAY

Along Life's Way: 100 Mini Reflections

By J. Vernon Jensen, M.A. '48, Ph.D. '59

VANTAGE PRESS, 2001

Jensen calls his reflections "self-contained, one-page, upbeat, mini-memoirs." The "essay-ettes" span topics from attachments to writing and everything in between, offering thoughts, advice, and inspiration.

Minnesota, Real & Imagined

Edited by Stephen R. Graubard

MINNESOTA HISTORICAL SOCIETY PRESS, 2001

Thirteen essays seek to explain why Minnesota has emerged as a cultural symbol of a distinct, and perhaps lost, America. The authors are geographers and historians, political analysts and journalists, theologians and Native Americans, including several U of M alumni and faculty members.

FICTION

Untimely Ripped

By Joel Weinsheimer

AUTHORS CHOICE PRESS, 2001

U English professor Weinsheimer's suspenseful novel begins with the news of the murder of the first woman Even Wade ever loved. He then must face his demons in the search for her killer.

MEMOIR

Crying at the Movies: A Film Memoir

By Madelon Sprengnether

GRAYWOLF PRESS, 2002

In a journal-like memoir, U English

professor Sprengnether analyzes both films and the happenings in her life in order to find the connection between her emotions and the troubling events in her past.

The Low Road: A Scottish Family Memoir

By Valerie Miner

MICHIGAN STATE UNIVERSITY PRESS, 2001

U English professor Miner focuses on the life journeys of her grandmother, her mother, and herself as she recounts her family's migration from Edinburgh's tenements to their destinies around the world.

PARENTING

Papa Bear: A Dad's Unusual Advice to his Kids

By Rob Reimer, Ph.D. '79

VANTAGE PRESS, 2001

A psychotherapist and operator of an Internet advice site, Reimer candidly discusses drugs, dating, pornography, religion, and family life, all with the underlying message: "Please don't accept what you are told."

PHOTOGRAPHY

Minnesota: Simply Beautiful

By Greg Ryan, B.S. '70, and Sally Beyer

FARCOUNTRY PRESS, 2001

Photographers Ryan and Beyer capture the splendor of Minnesota's lakes, countryside, and inhabitants in 120 pages of color images.

TRAVEL

True North: Exploring the Great Wilderness by Bush Plane

By George Erickson, D.D.S. '56

LYONS PRESS, 2002

Erickson flies from Hudson Bay, across northern Canada, into Alaska, and back again. With scientific details, physical descriptions, and historical narratives about the places he visits, he paints a portrait of one of the last open expanses in North America.

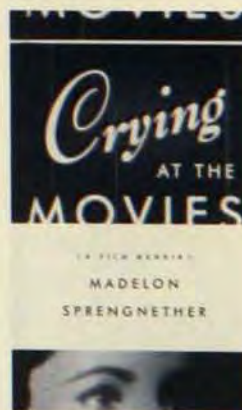
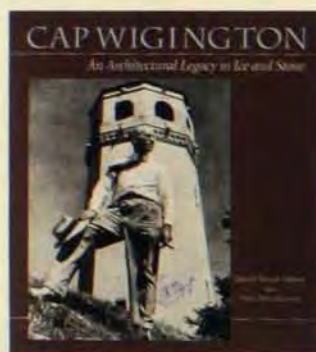
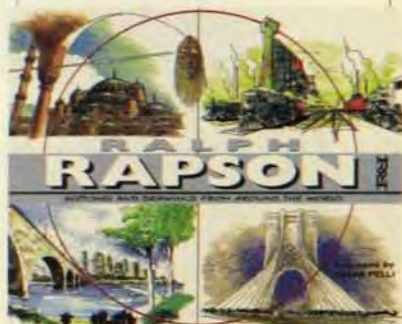
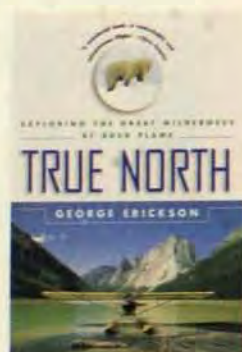
Wild Shore: Exploring Lake Superior by Kayak

By Greg Breining, B.A. '74

UNIVERSITY OF MINNESOTA PRESS, 2002

Breining paddled more than 1,000 miles over two years to circle Lake Superior by kayak. He writes about the lake's beauty and unpredictability, the people and communities he encountered, and the adventure and discovery.

Shelly Fling is editor of Minnesota.
Chris Coughlan-Smith is senior editor.



Structural Integrity

The campuswide construction boom intends to change the way the University works, thinks, and plays. By Joel Hoekstra

People get passionate about places. Clint Hewitt, for example, won't soon forget the day when, as the University's former associate vice president of master planning, he floated the idea of demolishing Coffman Memorial Union. It was just a passing thought, he says, one of many he had about what to do with the aging student center. But soon the e-mail started pouring in. "My computer began to smoke as people responded with stories about how they met their spouse in Coffman or how they used to get together with friends in the lounge—and how would I dare suggest tearing it down?" recalls Hewitt, now a professor of landscape architecture.

If the designers have done their job right, the 10 new building projects that have opened recently—or will soon open—on the U's Minneapolis and St. Paul campuses will incite equally impassioned responses. Centers for teaching, experimenting, socializing, sleeping, reading, and studying, these structures add to the stage upon which the U will pursue its aims of excellence in education and research. They add to what Hewitt dubs "a livable campus"—a blend of the philosophies and projects of such esteemed designers as W.S. Cleveland, Warren Manning, Cass Gilbert, Ralph Rapson, Frank Gehry, and Antoine Predock.

Master planning has given way in recent decades to a system for organizing growth rather than delineating details. Campus planners have tried to create a framework that allows for the addition of new structures, new technologies, and new initiatives in a way that doesn't devolve into chaos. "The campus has to respond to changes that occur," Hewitt says. "The only thing that we, as planners, can do is predict, but we must be fluid and flexible."

The 10 buildings and construction projects described here illustrate how the changing face of campus is helping the University fulfill its mission.



WASHINGTON AVENUE PEDESTRIAN BRIDGES

Estimated completion date: Fall 2002

Cost: \$5 million

Funding sources: \$430,000 in University debt; \$4.5 in University Resources and Higher Education Asset Preservation and Replacement Funds

Architect: Ellerbe Becket

Contractor: Ryan Companies

University units involved: Facilities Management

Overview: Washington Avenue slices through the heart of the Minneapolis campus and serves as a major point of entry for visitors to Northrop Mall and Coffman Union. In days past, nothing signaled arrival more vividly than the pedestrian bridges that ferried crowds of students from the north to south ends of the mall. Festooned with welcome banners and protest plac-

ards, the two small bridges across Washington Avenue were vital to the flow of information and people on the East Bank.

Now those bridges are being replaced with more durable, smarter-looking structures. Crafted from stainless steel and stone, the 12-foot-wide spans will remain in approximately the same space but will be fraternal—rather than identical—twins. The western bridge will arch over the street much like its predecessor, while the eastern bridge will curve horizontally. In addition to adding a different character, says architect Mic Johnson, the flat east bridge is more accessible to people with disabilities.

As for detailing, Johnson says, “The bridges themselves are sculptural, but they draw their inspiration from the cornices and details of existing buildings on the mall.”

WALTER LIBRARY

Completion date: Finished Spring 2002

Cost: \$63.4 million

Funding sources: \$55.8 million in state bonds; \$150,000 from the University’s Central Fund

Architect: Stageberg, Beyer, Sachs, Inc.

Contractor: M.A. Mortenson Company, Inc.

University units involved: Institute of Technology; University Libraries

Overview: To hear U officials talk about the restored splendor of Walter Library, you’d think it makes the palace at Versailles look shabby. Trimmed in travertine limestone, Tennessee Pink and Green Alps marble, and oak wainscoting and bejeweled with sculptured lunettes and relief figures symbolizing industry, agriculture, science, law, and wisdom, the old Walter Library indeed appears stately enough to house royalty. Designed by state architect Clarence Johnston in the early 1920s and built at a cost of \$1.25 million, the building resembles an aged monarch returned to glory after long imprisonment in the accumulated dusts of time.

“It’s a feast for the eyes,” says H. Ted Davis, dean of the Institute of Technology (IT). “There are owls and other features and details in the building that many people, including



myself, had never paid attention to. They were all dingy and blah and faded."

But the new Walter is also a thoroughly modern building. State-of-the-art technology has been woven into the seams of the structure, accommodating the Digital Technology Center, the Digital Media Center, the IT administrative offices, and a 5,000-square-foot computer lab outfitted with 125 powerful new computers. The building also includes several distance-learning classrooms, electronic study carrels, a digital library, and the Science and Engineering library collection.

"In terms of elegance, I doubt there's a better science and engineering library in the country," Davis says. "And in terms of how wired we are, I think we could compete with any library or institution in America."



RIVERBEND COMMONS

Residence hall occupancy date: Fall 2002

Cost: \$32.8 million for student housing; \$61.8 million for parking garage; \$13.5 million for public space improvements

Funding sources: Housing and Residential Life debt; Parking and Transportation Services debt

Architect: Ellerbe Becket

Contractor: Ryan Companies

University units involved: Student Development

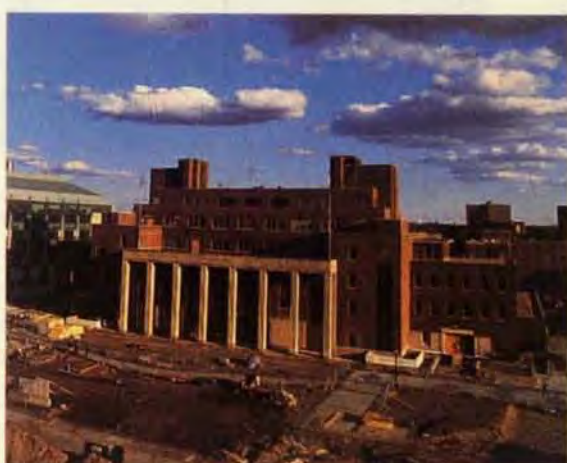
Overview: The hottest housing in town may be the new Riverbend Commons, on the East Bank of the Mississippi River. Students moving in this fall will pay only a few hundred bucks a month for a view of the river and amenities including air conditioning, high-speed Internet connections, and even free laundry.

The residence hall is the centerpiece of a three-phase project that aims to reconfigure the southeastern corner of the East Bank. In addition to student housing, the project features an underground parking ramp with 1,900 stalls, which will ease parking shortages on that end of campus. Ornamented with green lawns, flowering trees, and \$13.5 million in landscaping and public space improvements, Riverbend Commons will serve as a terrace that descends from the main campus to the river flats.

Location is simply the icing on the cake, however. The U's residence halls, co-ops, and apartment buildings are filled to capac-

ity. "We have seen an increase in the size of the first-year class over the past few years—and we've also seen an increase in our retention in residence halls," says Mary Ann Ryan, director of Housing and Residential Life. "There's a heightened interest among students to have an on-campus experience."

Residents of Riverbend Commons will have their choice of several types of living arrangements: from single apartments with a private kitchen and bathroom to so-called supersuites with two bedrooms, a living room, and private laundry, bath, and kitchen. Students living on the first and second levels will enjoy the benefit of extra-high ceilings, and all residents can take advantage of the common areas: a computer lab, meeting spaces for small groups, a club room with a large-screen television, and a patio overlooking America's most famous waterway.



COFFMAN MEMORIAL UNION

Estimated completion date: January 2003

Cost: \$72 million

Funding sources: \$60.8 million in University debt; \$7 million in Student Union reserves/fees; \$3.5 million in bookstore revenues; \$600,000 in external revenues

Architect: Ellerbe Becket

Contractor: Ryan Companies

University units involved: Student Development

Overview: You don't have to be beautiful or popular to succeed at the U—except in the case of Coffman Union. The campus landmark, which had grown shabby and seen foot traffic plummet, was deemed so unsuccessful that in 1999 its doors were shuttered for a complete makeover.

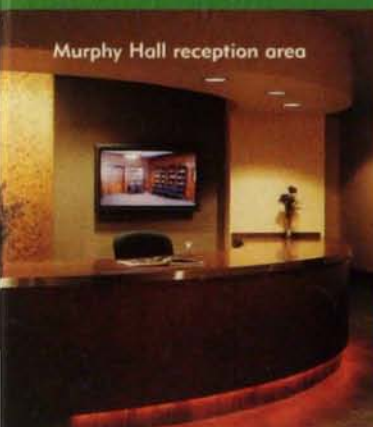
This winter, Coffman will reopen to much fanfare. "My hope is that when you walk into the building, you won't recognize anything except the Great Hall, the Mississippi Room, and the Whole [music club]," says Maggie Towle, director of Twin Cities Student Unions.

Indeed, with its gleaming interiors and an array of student services gathered for "one-stop shopping," Coffman will likely emerge as the belle of the Twin Cities campus. A trio of fireplaces and some terrazzo flooring from the original 1940s building have been preserved, and the 17th-century fountain by Pietro Tacca will gurgle anew on the patio. Most everything else, however, will

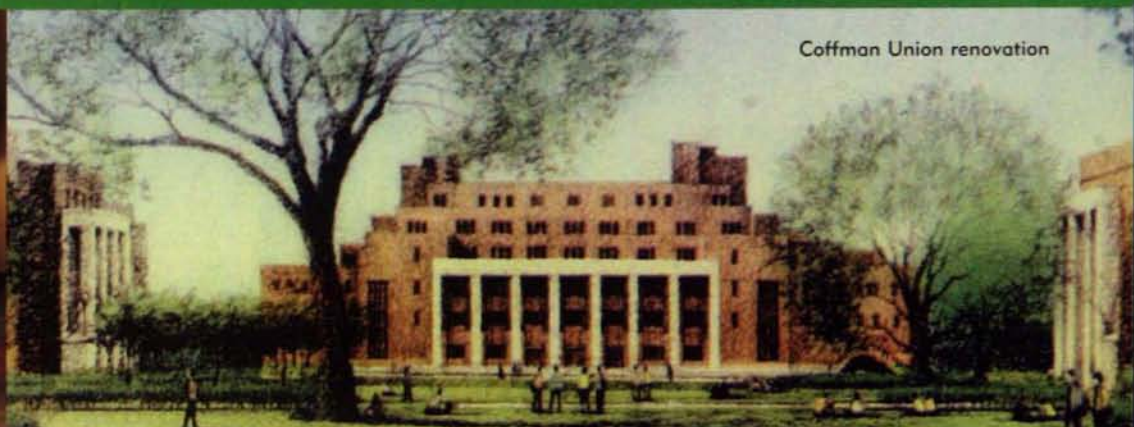
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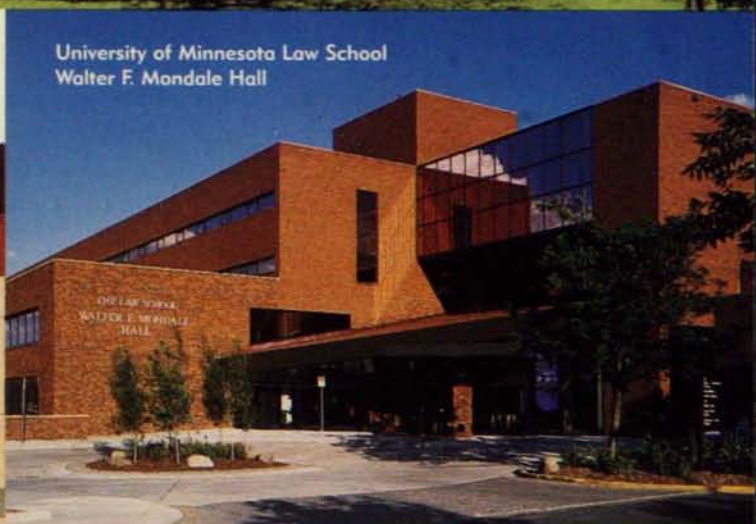
Coffman Union renovation



Riverbend Commons



University of Minnesota Law School
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"I love this building," Dr. Frank Cerra says of the new Molecular and Cellular Biology Building. "The glass, the curves, the openness—all of that speaks to the idea that this is where innovation and discovery occurs. I find that pretty exciting."

bear the hallmarks of the new millennium. A Starbucks, a 24-hour computer lab, and a new flagship University Bookstore are among the additions to the 319,000-square-foot building. Fast-food lovers, take note: The union will also house a Chick-Fil-A, the first outlet of the Southern chain to appear in Minnesota.

Architect Mic Johnson says the modern interiors integrate the muted maroon and olive hues that characterized the original Coffman. Wall sconces and light fixtures likewise echo designs that appeared in the 1940s. But it's the transparency of the building that will be most remarkable. Huge expanses of glass on the building's south end, along with escalators that parallel the slope of the river bluff, evoke some of Cass Gilbert's original vision of Northrop Mall as a lawn that flows from the center of campus southward down to the Mississippi. Stairs on the southern side of the building further accentuate that architectural flow.

Coffman's upper floors will house the newly merged offices of student activities and student unions; administrative offices; the faculty Campus Club; and, for student organizations, space that Towle believes will be "the best in the country." All eight student cultural organizations will be housed on the second floor, which, like much of the building, features grand views of the Mississippi.



MOLECULAR AND CELLULAR BIOLOGY BUILDING

Estimated completion date: Fall 2002

Cost: \$79 million

Funding sources: \$43.5 million in University bonds; \$35 million in state bonds

Architect: Perkins & Will

Contractor: M.A. Mortenson Company, Inc.

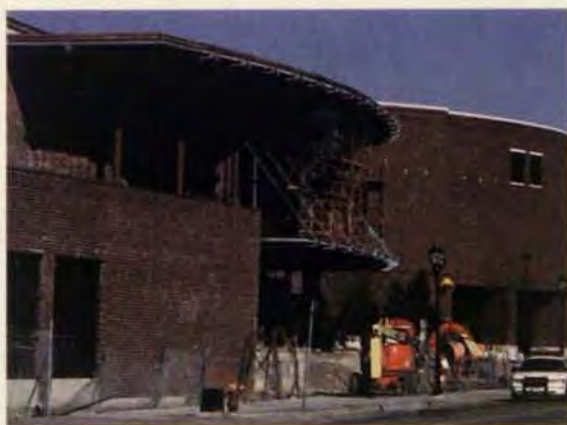
University units involved: Academic Health Center; College of Biological Sciences

Overview: In the design of the Molecular and Cellular Biology Building, Dr. Frank Cerra sees the future. "I love this building," says the U's senior vice president for health sciences. "The

glass, the curves, the openness—all of that speaks to the idea that this is where innovation and discovery occurs. I find that pretty exciting."

The future of medicine, biology, and genetics at the U will be charted here in the years to come. The Molecular and Cellular Biology Building, on par with the most expensive project the University has produced in recent years, the neighboring Basic Sciences and Biomedical Engineering Building, will house research projects and plenty of classrooms, serving a number of departments and colleges. Cross-fertilization is one of the primary objectives in bringing such disciplines together, as well as mixing undergraduate teaching and graduate-level research activities. "We want people to interact," Cerra says. Even the building's lounges are located in key areas where researchers, professors, and students will cross paths, perhaps lingering over coffee to discuss fledgling ideas at one of the building's half-dozen espresso bars. "People get to know each other," Cerra adds, "and that leads to innovation and recruitment."

For security reasons, state-of-the-art lab spaces and classrooms have been largely separated, says Perkins & Will project manager Marianne O'Brien, but aesthetically they are linked by such design elements as terrazzo flooring and European ash accents. Outside, red brick and precast concrete relate the structure's exterior to other architecture in the vicinity. "It was tremendously important that the building integrate with the entire campus while still presenting itself as the front door to the area dominated by the Academic Health Center," O'Brien says.



WOMEN'S ICE HOCKEY ARENA AND TENNIS FACILITY

Estimated completion date: Fall 2002

Cost: \$20 million

Funding sources: \$10 million in state bonds; \$8.5 million from the University's Central Fund; \$1.5 million in private donations

Architect: Ankeny Kell Architects



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Contractor: Shaw-Lundquist Associates, Inc.

University units involved: Intercollegiate Athletics

Overview: The new 3,000-seat Ridder Arena—named after Robert and Kathleen Ridder—will give the Gopher women's hockey team a dedicated space for play and practice outside of Mariucci Arena. The facility also features a club room, locker rooms, merchandise-sales stands, a training room, and public skate-changing facilities.

"I think we'll be in a very unique situation, having our own facility," says Laura Halldorson, head coach for women's ice hockey. "That's something no other college women's hockey team can say."

Tennis players of both sexes have benefited from the construction of new tennis courts. Ten indoor and 12 outdoor courts will eventually accommodate the needs of both the men's and women's tennis teams. "Until recently, we spent an hour in the car each day just going to practice" at suburban facilities, says David Geatz, the men's tennis coach. "We couldn't play matches when we wanted. We couldn't practice when we wanted."

Fitted with a Plexicushion surface, the courts will be "easy on the legs," says Geatz. Ample lighting and 400 seats will make the facility easy on spectators. Geatz says his players are champing at the bit to charge the nets at the new site. "They're extremely excited," he says. "They're sick of those long van rides too."



COLLEGE OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE ADDITION

Estimated occupancy date: Fall 2002

Cost: \$28.1 million

Funding sources: \$14.6 million in University bonds; \$9.7 million in state bonds; \$3.8 million in gifts

Architect: Steven Holl Architects; Vincent James Associates

Contractor: Knudson Construction

University units involved: College of Architecture and Landscape Architecture

Overview: From an aerial perspective, the two conjoined structures that form the new College of Architecture and Landscape Architecture (CALA) might seem like a move and countermove in a massive tic-tac-toe match. But this X and O—a gleaming, copper-clad addition and the newly renovated, roofed courtyard that has housed the school since 1960—signal not stylistic struggle but two sides of the same message: Architecture

should be both pragmatic and provocative.

Constructed at a campus crossroads, the 50,000-square-foot addition, designed by acclaimed New York architect Steven Holl, is nothing short of astonishing. Its copper siding, notes CALA dean Thomas Fisher, will weather over time, eventually matching the green hues of the landscaping that will take root between the building's arms. Frosted Finnish industrial glass used throughout the structure makes for a unique effect inside and out: Studios, offices, and the CALA library will be bathed in soft, diffuse daylight, while at night the building's exterior will glow with the activity inside. "It will probably give us some of the best architectural facilities in the country," Fisher says.

And the beauty is more than skin deep. The original 100,000-square-foot facility, which was practically bursting at the seams, has been refitted with expanded computer and woodshop facilities. Watercolor classes that once took place in the men's restroom ("For access to water," Fisher explains) will now have dedicated space, and caps and mittens will no longer be de rigueur in student studios, because the overhaul includes improved heating and air-conditioning.

The new facility will also serve as a hands-on teaching tool, a place of constant experimentation, Fisher says. "Green" countertops made of recycled newspaper serve as a reminder of sustainability concerns in building, and students can examine up close the exposed structural systems that wind through the addition. Fisher believes the building will stimulate the creativity of not only architecture majors but of other students, staff, and alumni too. "My hope is that this becomes a space where the Twin Cities design community comes together," he says.



MICROBIAL AND PLANT GENOMICS BUILDING

Estimated completion date: December 2002

Cost: \$20 million

Funding sources: \$10 million in state bonds; \$10 million gift

Architect: Architectural Alliance

Contractors: Shaw-Lundquist Associates, Inc.

University units involved: College of Biological Sciences

Overview: Technology, computing, and biology increasingly overlap in a variety of new disciplines that cluster around genomics and are often viewed as the road to a more healthful food sup-

ply, new drugs, and innovative ways to clean up pollution. The Microbial and Plant Genomics Building will serve as the U's hub for such efforts, housing 22 principal investigators and 175 supporting researchers on the St. Paul campus.

"Roughly a third to half of this building will be devoted to projects with permanent addresses, while the remainder will be used for projects that may run for a few years and then wrap up and be replaced by other projects," says Robert Elde, dean of the College of Biological Sciences (CBS).

Built on the site of a former horse barn, the facility will stand out in part because of its elegant design, which includes a two-story ovoid structure that projects off the main building. This "pod," as Elde calls it, will contain offices for several computer experts, as genetic sciences often rely on a kindred field called bioinformatics, a synthesis of biology and information technology. CBS's BioDale, an effort to develop ventures capable of being spun off as commercially viable businesses, will be housed in the facility, as will shops for digital imaging, protein mass spectrometry, and DNA sequencing.

The design of the 65,000-square-foot building seeks to bring together scientists and technologists on an informal basis, with coffee bars and lounges in key locations. "We scientists spend lots of time going to conferences to learn what other people are doing, when often there are equally fascinating projects that our colleagues down the hall are doing," Elde says. "And it's the interaction of people that spurs more scientific developments than anything else."

ART TEACHING AND RESEARCH FACILITY

Estimated completion date: Summer 2003

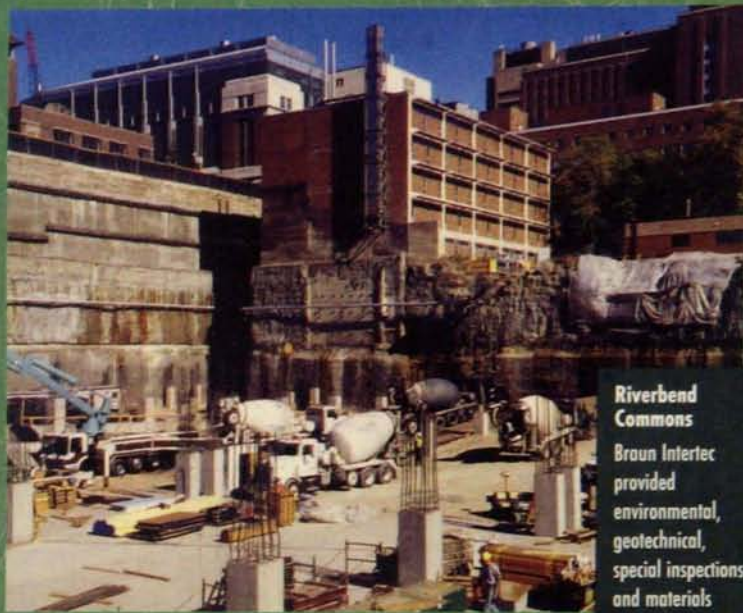
Cost: \$42.3 million

Funding sources: \$15 million in University debt; \$19.3 million in state bonds; and \$8 million in donations

Architect: Meyer, Scherer & Rockcastle, Ltd.

Contractors: ECI, Inc.; Adolfsen & Peterson

University units involved: College of Liberal Arts



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“This is going to be a remarkable facility, from the exterior architecture and how it knits together the outside elements to the features for students and staff on the inside,” Mark Pharis says of the new art building.



Overview: Deemed the crown jewel in the U's coalescing arts quarter, the Art Teaching and Research Facility will consist of two buildings linked by a skyway spanning 21st Avenue South. With 150,000 square feet, it will be sculptural, stately, and spacious enough to house an art department that serves more than 5,000 students annually.

It couldn't be more different from the department's current digs, a dilapidated former billboard factory built in 1921. The new facility will house state-of-the-art studios for printmaking, photography, sculpture, ceramics, painting, electronic media, and other visual arts. A 3-D modeling room, outfitted with rapid-prototyping machines, and a video-editing lab are just some of the planned spaces with special uses. Behind the scenes, systems have been installed for handling combustible residues from kilns, toxic photographic chemicals, and hazardous wastes from printmaking. In addition, the art department will triple its computer terminals to 150.

A two-story exhibition space forms the spine of the larger, east building. This glass-clad loggia will bisect the edifice, flowing into the Katherine E. Nash Gallery at the corner of the building. The gallery's exterior prow, with white plaster, echoes the three-year-old Barbara Barker Center for Dance down the street, while semitransparent black glass—resembling photographic film—sheathes another section of the exterior.

The facility has already attracted national attention. Several arts organizations have booked high-profile events there, and Art Department chair Mark Pharis believes the structure will serve as a magnet for top students in all types of art—visual and otherwise: “This is going to be a remarkable facility, from the exterior architecture and how it knits together the outside elements to the features for students and staff on the inside.”

PLANT GROWTH FACILITIES

Estimated completion date: November 2002

Cost: \$6.9 million

Funding sources: State bonds

Architect: RSP Architects

Contractor: Shaw Lundquist

University units involved: College of Agricultural, Food, and Environmental Sciences; College of Biological Sciences; College of Natural Resources

Overview: The dilapidated greenhouses on the St. Paul campus no longer support advanced research. This project will benefit the Minnesota Department of Agriculture as well as the nearly 2,000 faculty members, graduate students, and undergraduates who use the greenhouses and plant-growth facilities. The new facilities are being funded and built in two phases, the first of which is a biocontainment facility with 9,600 square feet of space. It will house a handful of staff members and a host of exotic insects, including European corn borers, stable flies, codling moths, Japanese beetles, and soybean aphids.

Studying insects that pollinate plants and transmit diseases may provide researchers with insights regarding pest control and plant pathology, says U greenhouse manager Dann Adair. But such research must be done under strict controls to prevent unnecessary environmental risks. Negative pressure rooms, air baths, hot-water kill tanks in the water system, and air-handling systems equipped with HEPA filters are just some of the safeguards incorporated into this facility. “It turns out that almost every major pest in the United States is an exotic species,” Adair says. “We don't want to create another problem, a ‘zebra mussel’ in a crop or something.”

Some bugs will also be evaluated as biological controls that can eat other insects or otherwise prevent the spread of disease. Such insects might someday replace the chemicals and fertilizers common to modern agriculture. ■

Joel Hoekstra is a Minneapolis freelance writer and editor.



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Taking on Taboos

Women's issues activist Fouzia Saeed (B.S. '81, M.S. '84, Ph.D. '87) asks questions, challenges convention, and empowers women in order to facilitate change in Pakistan.

For me, my field of activity is not different from my life. It is all intertwined. I work on women's issues as my job, but it's also my life. It's uphill mostly. I think for women all over it's uphill. And it is for women in Pakistan.

I think it was asking questions that got me into activism. I live in Islamabad and work for ActionAid, an international nongovernmental organization. Our main mission is poverty eradication and fighting social injustice. Sometimes I question. I ask, Is the problem poverty? Or is the problem accumulation or greed? Poverty is a consequence. Maybe the problem is that some people have too much. It depends on how we define the problem. I ask questions about issues that people don't want to talk about and I push the issues into the mainstream. Now I'm determined to do that with prostitution.

I first visited the Shahi Mohalla, the red light area of Lahore, Pakistan, for about eight months before deciding to write a book. I had questions about the relationship of the performing arts to prostitution and about the stigmatization of women who are in the performing arts. My training at the University of Minnesota taught me that when you have questions you design a research study and find the answers. It turned out to be so interesting that I studied the people in the Mohalla for seven years.

My book, *Taboo: The Hidden Culture of a Red Light Area*, came out in September 2001 (Oxford University Press). It was published in English and is being translated into Urdu and Hindi. It is kind of a risky topic, so my husband and I were prepared for backlash. But the book came out around September 11, and everybody got so absorbed with those incidents, especially the militant faction in our society. That gave space for the book to blurt out into society, and now I think I'm quite safe because it has taken root.

I've met a lot of pimps, prostitutes, musicians, customers, and shopkeepers. And what I've realized is prostitution is a very complete system. It's a subculture with its own social norms. This kind of prostitution is a very common South Asian tradition through dynasty after dynasty. I have found references from 300 B.C.

It is very different from the Western concept of a red light area. The Shahi Mohalla is just like any residential area. It is in the old city of Lahore where the streets are very narrow and the houses are multistoried. You cannot see that it's a red light area. It's only after 11 o'clock when the lights turn on and the

doors open and there are very decorated women sitting there. They're very polite and they will invite you in. They start out with music and they dance and it goes on from there. One needs to understand this complexity of entertainment and not just sexual service. And it's a family environment. The mother is the manager, and there is a formula for how the money is distributed. There is abuse that goes on, too, especially for those women who cannot secure younger girls and become a manager. They end up prostituting until they die. It is a miserable situation.

One of my goals is to demystify prostitutes. Unless we understand this phenomenon we cannot come up with a solution. We've got to move our attention from them to us because the problem may exist in us. Gradually I realized it was the male powerful elite that created the Kanjar, the occupational caste that takes up prostitution, for their own entertainment—and also the flip side, that they created the modest woman and the good wife. So my analysis took me in a direction where I started combating this good-woman, bad-woman idea.

The institution of prostitution is supported in one way or the other by the government, if not officially then unofficially, because the powerful elite is the customer or is protector of the culture. There are some people in the powerful elite or in the government who are saying, no, we have to curb pros-



stitution, but there are very strong links between them.

I'm saying let's open it up and see how our society created prostitutes. We told them what their life's mission is and their occupation is. And we are so attuned to making sure they remain in their roles that we don't even realize how we make sure they remain in their roles. So we need to question a lot of those things. I'm not saying I have a solution. I'm saying that we really need to look at ourselves and this society and see what we are doing.

It boils down to patriarchy and analysis of patriarchy which links to everything that I'm doing in my life, be it research on violence against women or human rights.

I am from a middle-class family. My father was an engineer and my mother was a homemaker. During the teenage years you realize a lot of freedoms that you have as a girl you don't have anymore. As you grow up you can't do this and you can't do that, and that's what starts defining a woman: what you can't do. That's

where my exploration started.

My parents didn't encourage me to question, but they didn't say "don't ask." I consider my family one of the more liberal ones, but still I had to bargain. When I was about 17, I wanted to learn how to play the sitar, but it was not a thing for "good" women to do. Because I pestered them, my parents got me an *ustad*, a music teacher, to instruct me at home. I got good enough to play at least one *raga*, a classical music piece, and my *ustad* said that maybe I could play this piece on a radio program. But there was no way my parents would give permission. There was a debate. The same thing happened when I wanted to dance. But I think it was an exploration for my parents also because they had this child who was not satisfied. They began to see that there was nothing wrong with what I wanted to do. They decided, so what if she does these things? So I created that space and they gave me that space.

I earned my bachelor's degree and got first position in my university and so was offered an international scholarship from my

AS TOLD TO SHELLY FLING | PHOTOGRAPH BY MARK LUINENBURG

Professor. Outdoorsman. Member. Donor.



Joseph Massey, Professor and Head, U of M Dept. of Wood & Paper Science, '75, '77, Forestry

"I may not get to live in the woods and eat bear meat," says Joe Massey, "but my spirit is never far from the environment." He and wife Jinny, a CLA alumna who also loves the outdoors, joined the UMAA in 1995. "About six years ago, we decided to become Presidents Club members and give at a significant level, in thanks for what the U has done for us. We designate a gift for something special every year, from the Bell Museum to scholarships for students."

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government. I applied to some universities and the first acceptance letter I got was from the University of Minnesota, so that was my choice. I had no clue what or where Minnesota was. It was not a scrutinized choice. I was just so thrilled that I would be going to the United States to study.

In Pakistan we have 10 years of schooling; in the United States you have 12. So I had to do my bachelor's again, then I got my master's and Ph.D. there. I just fell in love with the University. I was amazed at the choices of courses and fields. I did my master's in design, and then switched to education. It was like being in heaven. Every course was like a treat.

I got involved with the Pakistan Students Association, Minnesota International Students Association, and Minnesota Students Association. I also became involved in women's organizations outside the University. I went through a lot of changes in those eight years. When I came from Pakistan I was a gung-ho leader type, but I gradually made a transformation to facilitation. I learned that to bring about change in a society or to question issues you don't always have to be confrontational and have protests. There are many other healthy ways of doing it.

I did all that I could do in every 24 hours to pack up whatever information and skills I could inside me. I was very aware that this was my opportunity to learn as much as possible. I was always very clear that I would go back and work for women in my country. That was my flame.

In Islamabad I joined the Ministry of Culture and worked as deputy director of research in the Institute of Folk and Traditional Heritage. I wanted to study women's roles and so developed projects such as on the role of women in a nomad culture. I was there four years, but one of my personal goals was to connect with all kinds of women in the country and know their issues and relate to them not as a middle-class, educated person but as a woman. When I would go to villages for research I would sometimes stay late and talk to the women. They started to trust me and tell me their experiences. Sometimes they would be very open about violence. Other times they would be closed but would give me clues. Sometimes they would tell me stories about other women

and honor killings, rape, and domestic violence. And then I would go visit some of those women. It took me several years before I felt ready, when I was raising an issue, that I had the roots to talk about it.

That's when I started Bedari, the very first crisis center in Pakistan, in 1991. Violence shapes women's lives so much, and when they wanted to get out of such a relationship or do something to stop the violence, the family or the society would gently push them back into it—for their children, for their family's honor, for this, for that. There was no independent place for these women to go.

Like-minded friends and I rented out a house in Islamabad, and in three years Bedari touched 3,000 women with crisis intervention and other programs, such as self-esteem building. *Bedari* means awakening. Whoever went through Bedari became a stronger person. We introduced women's issues as a community issue in Pakistan, and we also dealt with men's issues. Patriarchy doesn't serve all men; it serves an elite. It's even more difficult for men to feel pain. They cannot even cry because that is not part of the role assigned to them. Bedari was the first organization that formally started groups for men. After five years I got out of the management, which was a promise to myself.

I joined Aga Khan, an international development foundation, in Karachi, but there was almost civil war there, so after a year I came back to Islamabad where there was an opportunity at the United Nations. I was involved in Pakistan's preparation for the Beijing conference on women, and then with the U.N. Development Program I developed a cutting-edge program on women's mobility rights.

Women cannot move about in Pakistan because there are harassment issues and permission issues. There is harassment on the streets, at the bus stops, and on buses. And only the first two seats on buses are for women. So parents say forget it, my daughters are not going out. It was kind of an invisible problem, and there wasn't a term for it. But I developed concrete projects on women's mobility that people couldn't conceive of in the beginning. I worked with traffic police and public transport and on awareness. Now in one city a woman owns a bus service, and

in Lahore, the government approved buses that are half for women.

Another issue that I raised, sexual harassment, had not been raised before. I experienced it in a severe form at UNDP. I took it for a while, but then I had to question my commitment to myself. We had 16 women on our staff and we learned this man was harassing almost all of them. Eleven of us got together and complained against him. It was very difficult because the whole system turned against us. The bureaucracy did everything to suppress the case and it went on for two years. Finally the case went up to the highest level at the United Nations in New York where people from outside the UNDP held hearings.

We won and the man was fired, but we had severe repercussions. Some of the women were afraid for their lives and their children, and almost all of us left our jobs. But when we won the case, women's groups in Pakistan declared the day we submitted our complaint, the 22nd of December, the day to mark the struggle against sexual harassment. Now the government is willing to look at a new law and new policy.

I was awarded a Distinguished Alumni Award from the College of Education in 1998 for my work over 10 years in Pakistan. It was beautiful to be honored. But the University and my Ph.D. adviser Jerry McClelland made great contributions to my work. She gave me a lot of professional ethics.

In 1998 I got married, left the U.N., and left Pakistan. I had been there twelve years. After that I was in the Philippines for three years doing international consultancy for the U.N., teaching part time, following up on the sexual harassment case, and finishing up *Taboo*. It was a nice part of my life. I learned scuba diving, I learned swimming, I traveled a lot with my husband. I had struggled all those years for Pakistani women to have more space to live, but I had forgotten to live.

My husband is now a consultant for the U.N. We decided that one time he'll take a turn picking a job and one time I will take a turn picking a job. So this time he has followed me to Pakistan, and then after some years I will follow him. He is very supportive of my work, but I'm always in a risky position and sometimes when I have taken a stand I have created enemies, so

he fears for me.

I have been with ActionAid for a year. It is based in the U.K. and is in 30 countries. I am country director for Pakistan and have a staff of 60 people with a presence in 12 rural settings and three urban offices. Our strategy is called challenging imbalanced power relations—in a family context, in a community context, in a national context, and in the international context, where we think power is concentrated in the hands of a few.

The path is uphill, but I am optimistic. I celebrate every little thing because it can be so tough. It is very beautiful for me when I see a woman's face change. When women go through my training and I see their body posture change and their eyes change, it just gives me so much energy. I want Pakistani women to live fully. And any indication of that just gives me an enormous amount of hope. ■

Shelly Fling is editor of Minnesota.

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When the Going Gets Tough

After a disappointing start to his college football career, Gopher quarterback **Asad Abdul-Khaliq** has grown in confidence and composure. By Chris-Coughlan Smith

The year 2000 was not Asad Abdul-Khaliq's favorite. Both sensitive and competitive, Abdul-Khaliq placed high expectations on himself. A star prep-school quarterback, a Heisman Trophy was once a dream. But after starting three college games as a red-shirt freshman for the Gophers, he found himself benched midway through his first Big Ten contest. Abdul-Khaliq didn't start again all year, although he played briefly in several more games. "That was the toughest time I've had in football," he recalls. "I was not used to being behind anybody. It was hard for me to handle."

Tougher was the reaction of fans and the media, who turned on an athlete they thought might take the Gophers to the next level. "I've never felt so bad in my life," Abdul-Khaliq says. "When it first happened to me, it was a big shock. How can fans cross me out? I felt like they hadn't seen the least of my abilities." Head coach Glen Mason bristles at the memory. "[College football players] need to be treated better than that," he says. "People look at these guys in these football uniforms and forget that they're kids, really, inside these helmets and not professional athletes."

An educational psychology major, Abdul-Khaliq speaks quickly and softly, by turns humble and confident, friendly and intense. There have been three constants in his life: family, faith (his parents converted to Islam before he was born), and football. Abdul-Khaliq turned to the first two to deal with the third. "They said to me, 'You're not perfect. Take it as it comes,'" he recalls. "I needed to be patient and keep my disappointment inside, because it could have ruined me. I could have been mad at the coaches and mad at myself and failed school or transferred out."

Instead Abdul-Khaliq slowly regained his confidence, and, at midseason last year, his starting job. On November 24, he threw for three touchdowns and ran for one to upset Wisconsin in the team's last game of the season. A few weeks later, after spending most of four years away from home, Abdul-Khaliq married his high-school sweetheart, Jamilla.

Abdul-Khaliq grew up in Elizabeth, New Jersey, an industrial port city about 20 miles southwest of Manhattan. "It's a poverty-stricken area, and it taught me a lot about myself and to think about what I want for the future," he says. "I don't want to end up back in Elizabeth. I want something better for me, my wife, and our [future] family. I've got to work hard and keep things together so when I do go back there, I can make a change for the better."

Those three constants, especially family, kept Abdul-Khaliq out of trouble. "My family was always around, making sure I did the right thing," he says. "If I did the wrong thing, they let me know they were there too. Their support and religious support helped me keep away from the bad things. I could have easily gone the other way."

Abdul-Khaliq committed to Minnesota out of high

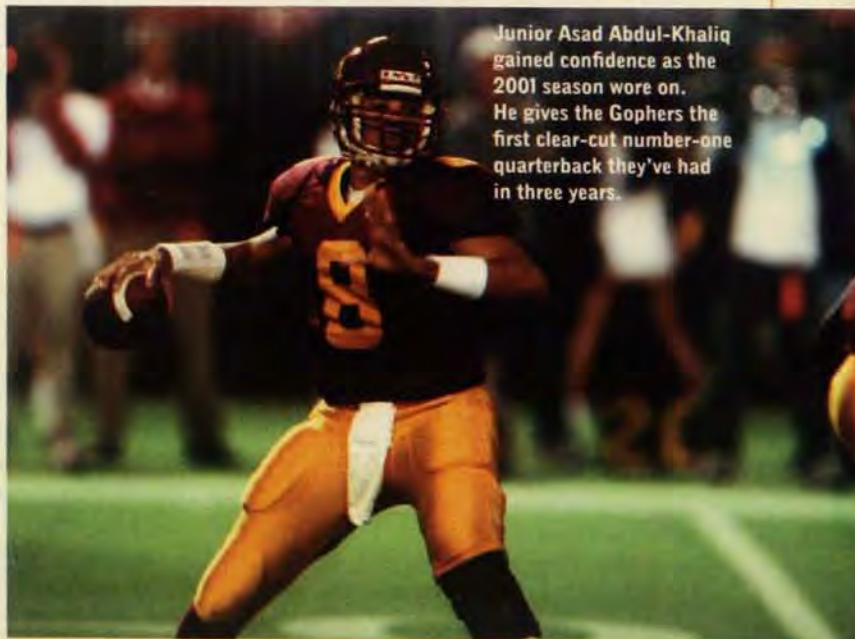
school but came up short on his SAT entrance exam. Rather than give up a year of college eligibility, he opted for a year of prep school at Fork Union Military Academy in Fork Union, Virginia. "People ask me, 'How could you do it?'" he says. "But it was a great experience, bonding with people in the same situation as you. Having all that time alone, you find out a lot about yourself."

He could have discarded his commitment to Minnesota and gone elsewhere, but Abdul-Khaliq felt Minnesota's staff "genuinely cared about me and were concerned about me." He also wanted to play somewhere he could start for four years. Instead, he has gained maturity and patience through his on-field tribulations. "Some of the guys call me old, but that's OK," says Abdul-Khaliq, who, with the extra year of military school and a redshirt season is already 22 and just a junior. "It's bettered me, I've grown. My mind is more developed, so I can give these guys advice about things before they even happen, on and off the field."

As quarterback and captain, Abdul-Khaliq leads by example and by word. His own experiences, however, cause him to temper his ire with teammates' mistakes. "Some of my coaches say, 'Asad, you don't yell enough,' but that has never been me. I've always been a guy who will pull you to the side and say 'Listen, this is what you need to do.' . . . I've always felt that yelling at a person is not the way to get them to play to their fullest."

After regaining the starting job early last year, Abdul-Khaliq began to show glimpses of the potential in his strong and accurate arm and his deceptively fast running, Mason says. "Since arriving here he has always shown signs of great ability, but it has taken him time to mature into that position," Mason says. "He came into his own down the stretch and played an exceptionally fine game in our finale."

Abdul-Khaliq also gained the faith of his teammates. "It was a great feeling to have 75 guys rally around you and look at you like 'you're the guy, Asad,'" Abdul-Khaliq says. "[The Wisconsin game] just took my confidence even higher and has the team really jacked up for this year." ■



Junior Asad Abdul-Khaliq gained confidence as the 2001 season wore on. He gives the Gophers the first clear-cut number-one quarterback they've had in three years.

A Wide-Open Field

Gopher football head coach Glen Mason on the 2002 season outlook.

After a year of ups and downs, the 2002 Gopher football team has a new watchword: consistency. "We have to bring it all together," says head coach Glen Mason. "Our defense should have fewer mental mistakes because, although we're still young, we've gained a year of experience. [On offense] we need to solidify our line, establish a running game, and become a consistent passing team. [And] we've got to get that kicking game to the top of the Big Ten."

Several Big Ten rivals replace longtime quarterbacks and defensive stars this year. "I don't think there are any clear-cut one or two teams that should dominate the league," Mason says. "Is that good? It's good for us; it's probably good for the league."

Here is a closer look at the 2002 football Gophers.

Offense: The Gophers have to replace three offensive linemen and create a unit that works together. "We don't have many guys back, but they have an unbelievable attitude, they've worked hard, they've improved, and I'm confident that by the time we line up in fall we'll be OK," Mason says. The sole returning starters are senior tackles Jeremiah Carter of St. Paul and Jake Kuppe of Minnetonka, Minnesota. The sixth "lineman," junior tight end Ben Utecht of Hastings, Minnesota, earned second-team all-conference honors in 2001.

The Gophers' quest for consistency will get a boost from having a clear-cut starting quarterback for the first time in three years. Junior Asad Abdul-Khaliq of Elizabeth, New Jersey, started the last seven games of 2001 and played better each week.

A one-two punch at running back will mean more two-back formations than in Mason's five previous seasons at Minnesota. Sophomore Marion Barber III of Plymouth, Minnesota, was a freshman all-American, and junior Thomas Tapeh of St. Paul counters Barber's speed with punishing strength.

A pair of senior wide receivers leads a group with "more guys with the ability to help us than we've had in any other year," Mason says. Senior Antoine Burns of Milwaukee had 30 catches in 2001, while senior Jermaine Mays of Miami returns from a redshirt year with the speed to be a game-breaking receiver.

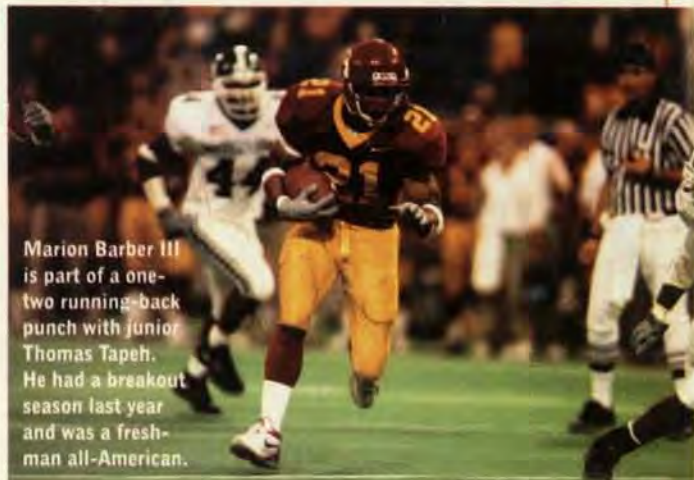
Defense: A young defense returns 11 players who started at least one game last year. "They hung tough last year, which is the best thing about them," Mason says of a unit that returned only two starters in 2001. "The bottom never fell out, they kept scrapping."

Senior co-captain Mike Lehan of Hopkins, Minnesota, anchors the defense at cornerback. Four other defensive backs were at least part-time starters. Linebackers Phil Archer, a junior from St. Paul, and sophomore Bradley Vance of Calumet City, Illinois, a 2001 freshman all-American, were full-time starters last year. Junior Dan Kwapinski of Fort Ransom, North Dakota, and sophomore Darrell Reid of Farmingdale, New Jersey, started every game in the middle of the defensive line.

A big improvement is needed, however, in the defensive front. "The biggest drop off we had last year was

that we didn't put enough pressure on the other quarterback," Mason says. "We need to do that."

Special teams: Mason expects a big step up in special teams play in 2002. "We have an experienced punter, an experienced placekicker



Marion Barber III is part of a one-two running-back punch with junior Thomas Tapeh. He had a breakout season last year and was a freshman all-American.

back; almost all the guys on the teams are back," Mason says. "We've got to be good there and consistent there." Senior placekicker Dan Nystrom of New Hope, Minnesota, faltered early last year before making his last six in a row. Senior punter Preston Gruening of Schofield, Wisconsin, was a preseason all-American but ended up in the middle of the Big Ten in kicking average.

Outlook: The Gophers have two "should-win" games before hosting the team that got them off to a terrible start in 2001: the Toledo Rockets, who beat Minnesota 38-7. "I'm going to take the Toledo game personally," says Abdul-Khaliq. "That game was just ugly."

The Big Ten schedule is difficult, with all six of last year's bowl teams in the lineup. But prognosticators have called this the most wide-open year in recent memory, with as many as eight teams having a chance at winning the conference. Minnesota's hopes rest on building on the team's 2001 finish. The Gophers rallied to split their final six games, including a 42-31 win over Wisconsin in the finale. "Winning the last game of the year is so important," Mason says. "The guys hung tough, and I think that was reflected in the last game."

A balanced offense, solid defense, and top-notch kicking game would be just the formula to get back on the winning track and to a third bowl game in four years. "I don't make predictions, but that's got to be a minimum goal," Mason says.

Chris Coughlan-Smith is senior editor for Minnesota.

2002 Gopher Football Schedule

August 31	SOUTHWEST TEXAS STATE, 6 p.m.
September 7	at Louisiana-Lafayette, 7 p.m.
September 14	TOLEDO, 1:30 p.m.
September 21	BUFFALO, 1:30 p.m.
September 28	at Purdue, 5 p.m. (ESPN2)
October 5	ILLINOIS, time TBA
October 12	NORTHWESTERN (homecoming), 1:30 p.m.
October 19	at Michigan State, 11:10 a.m.
November 2	at Ohio State, time TBA
November 9	MICHIGAN, 6:45 p.m. (ESPN)
November 16	IOWA, time TBA
November 23	at Wisconsin, time TBA

All game times are Central Standard Time. Home games are in capital letters. For tickets, call 612-624-8080 or 800-GOPHER or visit www.gophersports.com.

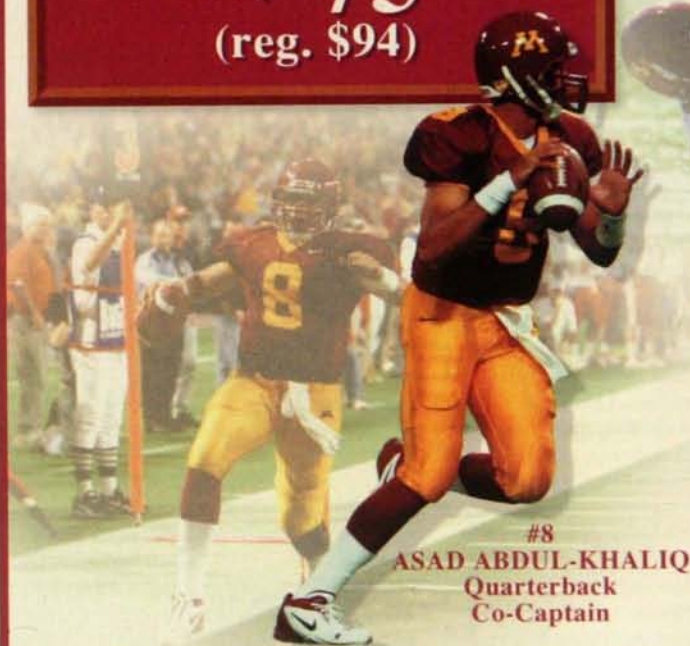
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SPORTS NOTEBOOK



Quotebook

"Actually, we thought next year was the year we could win the NCAA. I'd be lying if I told you I wasn't stunned right now."

—Men's golf coach Brad James (center) after his team won the NCAA golf title

Men's Golfers Take Title >>>

If ever there was a story ready for Hollywood, the 2001–02 Gopher men's golf team scripted it. Informed on April 11 that their team was to be eliminated within two months, the golfers stuck together, trusting that their program could be saved. Six weeks later, they won the NCAA title.

The Gophers went to the Big Ten Men's Golf Championships in Iowa City, Iowa, less than two weeks after learning they would get at least one more season of golf. They rallied from six shots behind in the final round to beat Illinois by four shots and Purdue by five. It was the team's fifth Big Ten title and its first since 1972.

At the end of May, the team struggled in the second round of the NCAA Men's Golf Championships at Columbus, Ohio. In 16th place after two rounds, the team rallied with a one-under-par round (284 for the team's four

best golfers) to jump to fourth, just three shots behind powerhouse Georgia Tech. The following morning, the Gophers roared around the front nine, taking the lead. They relaxed and played it safe over the final holes, finishing four shots ahead of Georgia Tech.

After the tournament, head coach Brad James said that northern teams are not expected to do well nationally. "We had no pressure and we had nothing to lose," James said. "When I ask them to step it up, they step it up. That shows a lot of heart and courage. This team has a bigger heart than any other team I have been with."

Sophomore Justin Smith of Moon Township, Pennsylvania, led the Gophers with a fourth-place finish, five under par. Junior Matt Anderson of Edina, Minnesota, was eighth overall at three-under after shooting a final round 66, tied for best in the tournament. Both were

named all-Americans. Sophomore Simon Nash of Pullenvale, Australia, a 2001 all-American, was 51st, sophomore David Morgan of Rochester, Minnesota, was 74th, and junior Wilhelm Schauman of Djursholm, Sweden, also a 2001 all-American, was 80th in the 156-man field.

Backers of the men's golf and gymnastics and women's golf programs have raised a large amount of money and appear likely to meet the deadlines set to save the programs until at least 2005.

This was the third NCAA title for Gopher sports programs this year. The wrestling and men's hockey teams won their team titles, and junior Clay Strother of Jasper, Texas, won two NCAA individual gymnastics titles. Junior wrestlers Jared Lawrence of Sandpoint, Idaho, and Luke Becker of Cambridge, Minnesota, won individual wrestling titles.

Quotebook

"I have to hope that a new athletics director will be inclusive and empowering. I'll have to hope our donors and supporters won't start coasting downhill but will still pedal uphill. I have to hope that our coaches and student athletes will act upon this golden era and, in a constructive way, keep the 'her' in Gopher."

—Former women's athletic director Chris Voelz at a May 30 farewell dinner. The men's and women's athletics departments became a single unit June 15 after 27 years apart.

New Women's Basketball Coach Named



Pam Borton, 36, was named Minnesota women's basketball coach May 24, seven weeks after Brenda Oldfield resigned to take the head coaching job at Maryland. The search was prolonged by uncertainties over the combining of men's and women's athletics administration and how the NCAA might rule on self-reported violations that occurred under former coach Cheryl Littlejohn.

Borton comes to Minnesota after five years as the top assistant at Boston College, where she developed a reputation as a leading recruiter and the team earned NCAA tournament berths in three of the last four years. Prior to that, Borton spent four years as head coach at Vermont, where she compiled a 69–46 record. She had been an assistant at Vermont for five years before that and was a two-time NCAA Division III all-American player at Defi-

Remembering Paul Giel

When Paul Giel (B.A. '55) died May 22 at 69, the University lost one of its great boosters and a champion of all its sports. A Gopher football and baseball star in the 1950s, Giel was athletics director from 1972 until 1989. The Winona, Minnesota, native was a football all-American in 1952 and 1953 as a running back, as well as Big Ten MVP in those years. He also played quarterback on offense, punted, returned kicks, and played in the defensive backfield. For the Gopher baseball team, he was a three-time all-American pitcher and still holds the school record with 243 strikeouts in his three seasons. He played professional baseball from 1954 to 1961, including a brief stay with the Minnesota Twins in their first season of 1961.

After stints as business manager for the Minnesota Vikings and sports director for WCCO Radio, Giel took the athletics director job, reportedly with some reluctance. In his first decade, however, Minnesota won three NCAA hockey titles and Big Ten titles in baseball, gymnastics, basketball, golf, and tennis. For the last 12 years he was vice president of public affairs and chief fund-raiser for the Minneapolis Heart Institute Foundation.

Fair play and sportsmanship were paramount to Giel, according to those who knew him. His children and grandchildren recalled that in teaching them the nature of sports his rules were: "No cheating, no pouting, and no gloating."

Jerry Noyce (B.S. '67), former U of M men's tennis coach, said Giel was the personification of the good things about sports and Minnesota itself. "He was the U of M in many people's eyes," Noyce says. "He was a great mentor, leader, role model, and most importantly, a wonderful friend."

ance College in Ohio.

At the news conference introducing her, Borton said she prefers an "up-tempo" style of play, something that should fit well with a team that returns every key player to a squad that went 22-8 and reached the NCAA second round last season. Her top priority, however, is recruiting Minnesota's many talented high-school basketball players. "My biggest goal is to keep our players in state," she said. "I'd be happy if all 13 players on our roster were from Minnesota. There is enough talent in this state to be able to do that and win."

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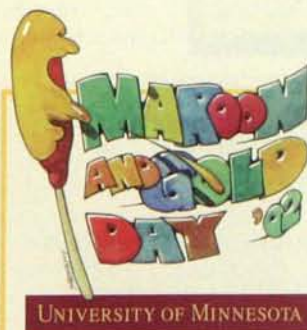


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Cutting a rug in Memorial Hall (left to right): Barb Muesing, assistant to the dean of the College of Continuing Education; Chuck Casey (B.S. '61, D.V.M. '63), dean of the Extension Service; Valerie Pace (M.A. '74, Ph.D. '76); and Gedney Tuttle (B.A. '48).

UMAA Celebration Was a Hit

The McNamara Alumni Center rocked on June 4 when more than 900 alumni and friends attended the UMAA's 2002 Annual Celebration. The event served as both the association's annual meeting and the symbolic "gifting" of the Gateway Plaza to the University.

Despite a few complications—steady rain for almost 24 hours before the event and the just-announced resignation of University President Mark Yudof—nothing could dampen the spirits of those who attended. Displays and games in a 1950s theme, dinner, a formal program, and a concert with dancing to be held on the new plaza were moved smoothly indoors, to the comfort and superior acoustics of the adjacent McNamara Alumni Center. Indeed, the program took on new significance as Yudof had announced only four days earlier that he would be stepping down as president (see page 8).

UMAA National President Bruce Nelson (B.S. '80) offered a tribute to Yudof, thanking him for five years of strong leadership and noting the renewed pride alumni feel in the institution. The crowd gave Yudof a standing ovation following Nelson's comments.

"For me, it is [a day] that is both sad and sweet," Yudof said. "Although the momentum we've accumulated needs careful attention, I believe it can be sustained and that the people of Minnesota are still committed to this great institution." Yudof also quoted former governor Elmer L. Andersen: "You don't manage a university, you nurture it." Yudof added that he is convinced Minnesotans will do all they can to sustain the University. "Indeed, it is because of the confidence I have for the future, rather than any kind of pessimism or discouragement, that I feel secure in making this transition."

Later, Yudof thanked Fred Friswold (B.A. '58) and Larry Laukka (B.A. '58), heads of the nonprofit Gateway Corporation, for building the plaza, which was constructed on University land using private funds. "It is quite extraor-

The band Memories from the Heartbreak Hotel performed hits from the 1950s and '60s and impersonated legendary musicians.

Seemingly straight from the '50s, pairs of dancers showed guests the right moves.





Left to right: Tony Diggs (M.A. '93), coordinator of the African American Learning Resource Center at the University; Bobbi Cordano, director of the U's Disability Services; and Shirley Baugher, dean of the College of Human Ecology.



Left to right: Interim University president Bob Bruininks, Chris Maziar, dean of the Graduate School; and Donna Peterson (B.A. '71), director of government relations at the University.



Bruce Nelson (B.S. '80) (left), president of the UMAA national board, thanked University President Mark Yudof for his five years of service to the University.

inary," Yudof said. "There are not many new urban parks being created. . . . A great university is defined as much by its open spaces as by its buildings [and this] will be one of the great open spaces at any university in the country. It will be appreciated not just today and tomorrow, but for the next 150 years."

The plaza was designed by Antoine Predock, architect of the McNamara Alumni Center, in association with LHB Engineers and Architects of Duluth. Landscape architecture professor Lance Neckar and some of his urban design students suggested refinements to the plaza that helped it become an appropriate transition from the commercial area of Stadium Village to the monumental alumni center and the University as a whole. "The students really got into it and did a wonderful job. They could see it as both a place for formal events and a place for people to hang out," Neckar says. "That helped open up a public discourse on this important public space."



Rick Ahles (J.D. '67) and UMAA national board member Karen Ahles (Ph.D. '87).

He likened the Gateway Plaza to the green that separates Yale University's old campus from the city of New Haven, Connecticut. "It is both a forecourt to the building and a public square," he explains. "It is important to have open space at the edge of a campus, especially a land-grant university. I think this is a great thing the University has done and it will reflect well on the University."

The plaza includes grass, paths, a grove of native trees set in crushed granite, granite benches, and gently moving pools against the front of the alumni center's granite and glass Memorial Hall. A stage and central open area make it appropriate for large gatherings and formal events. Future plans include a monument of granite, copper, and glass at the corner of Oak Street and Washington Avenue that will mark the corner of campus, reflect the materials of the McNamara Alumni Center, and become a landmark in itself. As with the entire plaza, private funds will be used to build the tower.

New Hmong Alumni Group >

The UMAA's newest alumni interest group, the Hmoob (Hmong) Alumni Group (HAG), grew out of a student group. May yer Ly (B.A. '00) and Richon Xiong (B.A. '00) served as president and vice president of the Hmong Minnesota Student Association in 1999-2000, their senior year. "We enjoyed that group so much," Ly says. "We started talking about how we could keep going as alumni and carry on helping undergraduates who are Hmong or who want to know more about Hmong culture."

Hmong students, mostly first-generation Americans, feel pulled by cultural and family expectations coupled with the difficulty of college-level work, Ly says. "Most of us don't have parents or even older brothers or sisters who went to college. There are both cultural and academic issues."

As an informal alumni group last year, 10 Hmong graduates mentored a similar number of students. For the coming year they decided to become an official UMAA interest group.

"I think a lot of alumni of color aren't connected to the U after they graduate," Ly says. "We wanted that connection there so we would feel comfortable participating in events." With more than a dozen members already, HAG will tackle its short-term goals: mentoring, networking with other graduates, and recruiting new members. The group also kicked off a scholarship drive in June with an event featuring Zoua Vang (B.A. '99), a television journalist in Fresno, California, and her documentary *The Trail of Tears: The Hmong Story*.

HAG hopes to award its first scholarship in the fall and to become an example to alumni of other institutions. "We think it is appropriate to be involved with your university and alumni association after you graduate," Ly says.

For more on the new Hmoob Alumni Group, visit www.alumni.umn.edu or call the UMAA at 612-624-2323.



Seng Vang (left) and May yer Ly

A Birthday Cake for Minnesota

University President Mark Yudof and the Board of Regents recognized the 100th anniversary of *Minnesota* magazine during a dinner at Eastcliff in May. Pictured are (left to right): Yudof, UMAA national board president Bruce Nelson, regent chair Maureen Reed, *Minnesota* editor Shelly Fling, and UMAA executive director Margaret Carlson.



National President

Farewell, Mark Yudof

Each year as spring arrives, another academic year draws to a close. It is a bittersweet moment. Students feel proud of what they have accomplished and relieved to have successfully completed another year of scholarly challenge. There is also a hint of sadness in the air as they gather their belongings, bid classmates farewell, and prepare to disperse in all directions of the globe. For graduating seniors, it is the end of a chapter marked by tremendous personal growth and hard-earned achievements. It is also a time of uncertainty and hope as they prepare to embark on the next chapter in their lives.

Today, alumni and friends of the University share similar mixed emotions as we bid farewell to a very special man who will be departing along with this year's class of graduates. In late May, University President Mark Yudof announced that he is leaving Minnesota to assume the position of chancellor at the University of Texas, the state where he and his family lived for 26 years.

Like so many of you, I was sad to hear of President Yudof's decision to leave. This past year, as president of the alumni association, I traveled all over the United States to meet with alumni—from New York City to Naples, Florida, to Sun City in Arizona. Back in Minnesota, I met with numerous alumni chapters and community leaders. Wherever I went, I found overwhelming support for President Yudof. Nowhere was that support more evident than at the alumni association's annual meeting at the McNamara Alumni Center in June, when nearly 1,000 alumni rose to their feet to give a thunderous and lengthy ovation for our president.

What is it about this man that has inspired such gratitude and warmth among so many alumni? President Yudof generated excitement with his ambitious strategy to create five academic centers of excellence and position the U to become one of the top public research institutions in the nation. He engaged the help of all of us in his efforts to create a Beautiful U, a warm and welcoming campus we could all take pride in. Mark Yudof has the unique ability to create a clear and compelling vision for the future of an institution, then garner support to make the vision a reality. As a result, he was able to accomplish great things these past five years, including the dramatic renovation of the Twin Cities campus and the remarkable success of Campaign Minnesota.



Bruce Nelson, B.S. '80

In addition, he was a change agent in an environment where a preponderance of committees, red tape, and competing self-interests presented a daunting barrier to anyone who dared to alter the status quo. He expected and demanded that *all* University units work together toward one common vision, and they were held accountable for their results. He was willing to confront difficult issues, such as the fiscal challenges in intercollegiate athletics, and, when necessary, to make tough decisions to move the University forward.

But it is not just President Yudof's deeds people will remember; it is his style: his approachability, his humor, his intellect, and his work ethic. He is the common man's academic who not only has a thirst for knowledge but a consuming hunger for the perfect pancake. And he worked tirelessly, day and night, seven days a week, to advocate for the U.

For any organization that aspires to greatness, the work is never done. Such is the case at the University of Minnesota. The next president will inherit the challenging task of building a world-class public research university in a state where legislators and communities struggle to find ways to pay for it. A new athletics director must be named who can reassemble men's and women's athletics into a stronger, more cohesive, and financially sound organization. Like our graduates, our apprehension is mixed with hope. For we are much closer to these goals because of the progress made by President Yudof.

So, while we are sad to see the Yudofs leave our North Star state for the Lone Star state, we alumni—in Minnesota and around the world—are grateful for President Yudof's leadership and service these past five years. The many things accomplished during his term will benefit the University and our state for decades to come. On behalf of our board and our association, I wish Mark Yudof and wife Judy the very best in their new endeavors.

Upcoming alumni events on campus and around the country. For more information, visit www.alumni.umn.edu or call 612-624-2323 or 1-800-UM-ALUMS (862-5867) and ask to speak to the UMAA staff person listed after the event.

July

- 20 Bay Area Chapter tour of the Scharffen Berger Chocolate Maker factory, 11:30 a.m. in Berkeley, California; contact Mark Allen
- 20 San Diego Chapter at Padres vs. Diamondbacks baseball game; tailgate begins at 5:30 p.m. at Qualcomm Stadium; contact Mark Allen
- 20 Minnesota Day at the Races with the Puget Sound Chapter; all day at Emerald Downs; contact Mark Allen
- 28 Western Minnesota picnic, noon at the Heen Farm in Maynard; contact Chad Kono
- 28–Aug. 9 Alaska: Cruise the Inside Passage; contact Becky Von Dissen
- 30 Dentistry Alumni Society Golf Classic, Les Bolstad U of M Golf Course, 7 a.m. to 3 p.m.; contact Marie Baudek at 612-625-9439

August

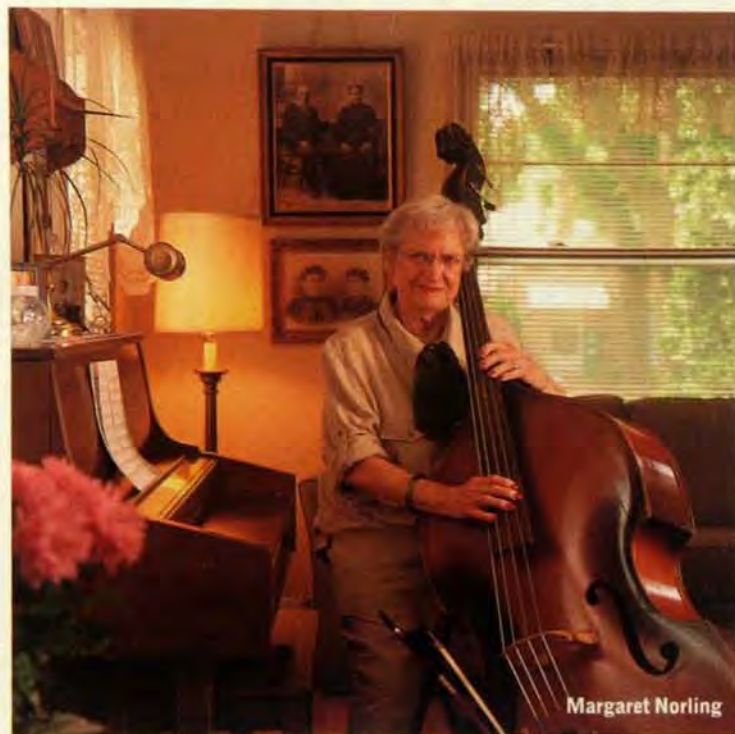
- 3 Madison Chapter student sendoff picnic, place TBA, noon; contact Mark Allen
- 3 Milwaukee Chapter student sendoff picnic, place TBA, noon; contact Mark Allen
- 5–13 Alumni College in Norway; contact Becky Von Dissen
- 16 Bay Area Chapter tour of the Stanford Linear Accelerator, 12:30 p.m. in Menlo Park, California; contact Mark Allen
- 18 Puget Sound Chapter picnic, time and place TBA; contact Mark Allen
- 22–Sept. 2 UMAA at the Minnesota State Fair, U of M Building on Dan Patch Avenue

September

- 2 Puget Sound Chapter at Mariners vs. Twins baseball, 3:30 p.m. at Safeco Field
- 2–10 Alumni College in Normandy; contact Becky Von Dissen
- 13 UMAA Volunteer Awards, 5 p.m. in the McNamara Alumni Center; contact Karla Hoff
- 15 Oregon Garden picnic with Southern Willamette Valley and Portland chapters; time and place TBA; contact Mark Allen
- 16–24 Alumni College in Sorrento; contact Becky Von Dissen
- 21 Seventh annual Bay Area Chapter picnic, noon in Mountain View, California; contact Mark Allen
- 25–Oct. 7 Legendary Passage alumni tour; contact Becky Von Dissen
- 29 Puget Sound Chapter at Seahawks vs. Vikings football, 5:30 p.m. at the new Seahawks Stadium; contact Mark Allen



Member Spotlight | Margaret Norling



Margaret Norling

When string bassist Margaret Norling (B.S. '40) arrives at a gig, it usually goes something like this: She hoists the gigantic instrument out of the van she bought especially to travel to concert venues around Minnesota. Then she places the bass on a wheeled cart, along with her folding stool and music stand. She lugs the instrument into the hall, rights it, and clambers up onto the high, tottering stool. Finally, she plays. A few hours later, she takes everything down and drives it home. The next day, she usually does it all over again.

At just a hair over five feet, Norling is a small but sturdy woman, 84 years old. Thanks to a couple of recent operations, she now uses a cane to get around, but it hasn't slowed her down. Not one bit. "I'm very agile," she says with a sly smile. Still, she's heard her share of jokes.

"I can't tell you how many times some smart aleck will say to me, 'Aren't you sorry you didn't take up the piccolo?'" Norling rolls her eyes. "I'm so tired of hearing that."

But she's not tired of playing the bass. She hauls the instrument to rehearsals and performances almost every night of the week, sometimes even twice in one day. A great believer in the restorative power of music, Norling belongs to a

remarkable number of musical groups, including the U's Health Sciences Orchestra (she's not a health professional), the folk group Finn Hall (she's not Finnish), the Kenwood Chamber Orchestra (she doesn't live in Kenwood), the St. Paul Jewish Community Symphony (she's not Jewish), and the Fridley Community Orchestra (she isn't a Fridley resident).

"I don't think you have to belong to a certain ethnic group to enjoy playing music with them," Norling says, by way of explanation. "But once you do get together and play music with people, you start to feel like you have something in common."

Norling came to the University of Minnesota on a full music scholarship in 1937. "It was the depths of the Great Depression," she recalls. "My family didn't have any money. If it wasn't for the string bass, I wouldn't have been able to go to college at all." A music education major, Norling was one of the first women to join the University Concert Band.

Norling stopped playing the string bass after graduating from the University. She was busy raising her sons and later working as a music librarian and a music teacher in the Minneapolis public schools. Her hiatus from the bass lasted some 40 years, until after she'd retired in 1978. Then a conductor from her high-school days asked Norling to join a group he'd formed, the Gerhard Lee Senior Citizen Orchestra. "He ordered me to get a bass and come and play," she says. "Now I've played longer in my retirement than I did in my youth."

After her husband's death in 1994, Norling signed up for even more musical groups. "I credit music with getting me going again in a time of grief," she says. "I'd recommend it to anybody who's going through the same thing."

Fellow musicians comment on Norling's commitment and skill. Marvin Goldberg (M.D. '52), manager of the Health Sciences Orchestra and a faculty member in the University's Department of Radiology, says that despite her hectic schedule, Norling hardly ever misses a rehearsal. "One of the great things about Margaret is she's so enthusiastic," Goldberg says. "I suspect that's the way she is about everything in her life. That's what keeps her so alive."

And young, Norling adds. "When I'm lying flat in bed I feel like I'm 40. Then I get up and look in the mirror," she says with a laugh. "I might look my age but I don't feel it. Not at all. . . . And in order to keep feeling this way all I need to do is just play and play and play." —Andy Steiner

Plan Ahead: Homecoming

It is time to think about cooler weather, the start of school, and homecoming. The University of Minnesota 2002 homecoming football game is set for Saturday, October 12, at 1:30 p.m. against Northwestern. Other expected events include a pepfest Friday night and a parade Saturday morning. Alumni reunions, dinners, and other events will take place Friday and Saturday. Last year's new event, a pre-parade pancake

breakfast inside the McNamara Alumni Center, is likely to return.

The women's hockey, soccer, and volleyball teams also play home games that weekend, and cultural events are anticipated as well.

Watch for more information about 2002 homecoming events in the September–October issue of *Minnesota*, or visit the UMAA Web site at www.alumni.umn.edu for updates as they become available.

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Executive Director

Get in the Game!

The financial issues plaguing University of Minnesota athletics forced University administrators to make tough decisions in recent months, including to merge the men's and women's athletics departments, to place a moratorium on new athletics-related construction, and to more aggressively promote Gopher athletics, particularly the football program.



Margaret Sughrue Carlson,
Ph.D. '83

I had the pleasure of being part of a Coaches Caravan, which traversed the state in April to share the news about the future of men's and women's athletics at the U. My message on behalf of the University was that if Minnesotans want Gopher athletics to be financially viable, Minnesotans need to stand behind their Gophers. Three days, eight cities, and 1,000 miles later, I had delivered that message to more than 1,000 alumni and friends in greater Minnesota.

Our group consisted of outgoing men's athletics director Tom Moe, football coach Glen Mason, men's basketball coach Dan Monson, wrestling coach J Robinson, former men's hockey coach Doug Woog, and, of course, Goldy Gopher. When we reached Owatonna, we were joined by outgoing women's athletics director Chris Voelz, women's volleyball coach Mike Hebert, and women's gymnastics coaches Meg and Jim Stephenson. With this stellar cast on stage and WCCO Radio's Mike Max, Dave Mona, and Dave Lee acting as emcees, we packed malls, Rotary Clubs, and sports bars in Duluth, Brainerd, Fargo, Alexandria, Willmar, Worthington, Owatonna, and Rochester.

When we first boarded the bus in Minneapolis, we had our laptop computers, cell phones, and day planners in tow and began carrying out our usual, day-to-day University business. Until we saw the fans. At Brainerd, for example, a crowd of Gopher fans greeted us, many of whom were decked out in maroon and gold, waving pom-poms and singing the "Minnesota Rouser." Some of them came to meet the coaches and collect autographs. Others shared their Gopher sports memories. And many brought cameras and posed for photos with their favorite coaches, Paul Bunyan's axe, and our NCAA trophies. The excitement in the crowds was electrifying, and we caravaners were blown over by it. What started out as a job turned into a passionate mission. We packed away our unfinished work and immersed ourselves completely in the adventure. As Coach Mason enthusiastically proclaimed, "This is a blast!"

Many friends and alumni of the U told us how they felt about Gopher sports. Donald Hansen of Alexandria noted that he hopes

to see men's basketball back on television outside the metro area someday so that Coach Monson can "inspire young men to play for the Gophers and enhance his Upper Midwest recruiting efforts." Many others commented on the importance of giving our football team a stadium on campus to return the Saturday afternoon Gopher football game experience to the University where it belongs.

Ardell Brede later commented on the caravan stop in Rochester: "With 350 attending the event in Rochester, it's obvious that out-state Minnesotans want to be involved in U happenings and sports in particular," he said. "We support the Gophers!"

What I told the audiences I addressed on behalf of the University bears repeating. The University of Minnesota touches nearly everyone in the state. As a graduate of the University, you are a part of the U's history and a permanent stakeholder in the institution. Some of your relatives may also be alumni. You undoubtedly know talented doctors, nurses, veterinarians, lawyers, artists, musicians, and entrepreneurs who are graduates. And whether or not you realize it, your life is better because of the remarkable research done at the U, such as the work that led to the invention of seatbelts, fluoride toothpaste, and the black-box flight recorder.

What does this have to do with sports? Quite a lot.

Gopher sports programs are the University of Minnesota's teams, but they are also the state of Minnesota's teams. And buying tickets, attending games and matches, cheering our student athletes, and wearing maroon and gold are easy, direct, and tangible ways to show pride in the University.

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Getting in the game is also vitally important to these sports programs and the University. Fiscal stability will not come easily for the merged athletics department. Some alumni and friends are already stepping forward to help save the

golf and men's gymnastics programs for at least three more years. But we all have to pitch in. Both Glen Mason and Tom Moe pointed out that if we fill the Metrodome every Gopher home football game, we will show our school spirit to our players and the visiting teams, and we will take a giant step toward balancing the athletics department's budget.

Minnesotans not only need to stand behind their Gophers, they need to show up and cheer. But while supporting Gopher sports is critical, believe me, it is also great fun. ■

For Gopher sports schedules and information, visit www.gophersports.com. For information about discounted Gopher football tickets for UMAA members, call 612-624-7308. For information about discounted women's athletics tickets for UMAA members, call 612-624-8080, or visit www.alumni.umn.edu/member-gopher. See page 46 for the 2002 Gopher football schedule.



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