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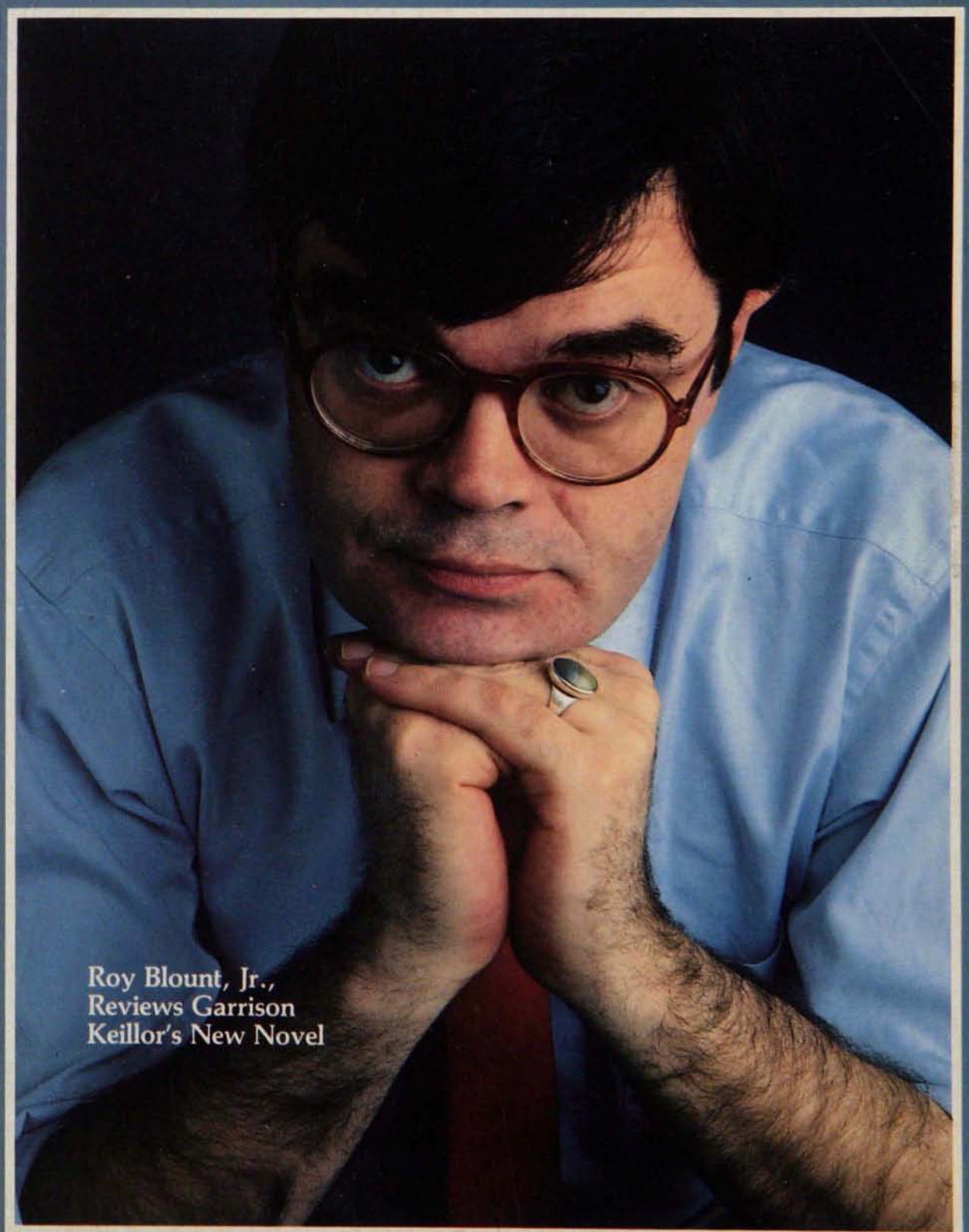
MINNESOTA

University of Minnesota Alumni Association



Roy Blount, Jr., Reviews Garrison Keillor's New Novel

In this issue: Report to Investors 1984-85

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MINNESOTA
University of Minnesota Alumni Association

September/October

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Minnesota is published bimonthly by the Minnesota Alumni Association for its members and other committed friends of the University of Minnesota. Membership is open to all past and present students, faculty, staff, and other friends who wish to be involved in the advancement of the University. Annual dues are $22 single, $28 husband/wife. Life membership dues are $300 single, $350 husband/wife. Installment life memberships are available. For membership information or service, call or write: Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis MN 55455, 612-373-2466.

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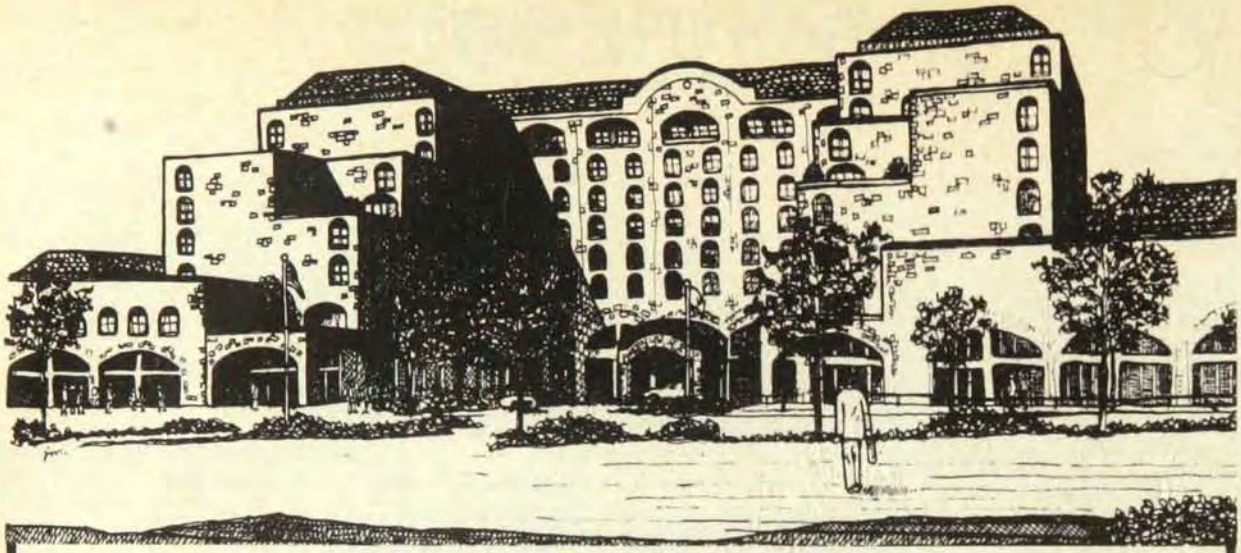

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Giving Ways

About a year and a half ago, board members of the Minnesota Alumni Association and of the University of Minnesota Foundation decided that it was time to work together more closely to increase support for the University.

Why? First, because the University—along with nearly all other nonprofit institutions—experienced during the first years of the 1980s an increasing need for the involvement and financial support of people outside of itself, who know and understand its value. And second, because working together makes sense. Although both organizations have long and separate histories of building support for the University in various ways, their missions are inexorably entwined.

The association was founded in 1904 by a group of alumni dedicated to the University, who understood the value of organizing. Ever since then the association has worked to build a strong membership of alumni and keep them informed and involved. The foundation, formed in 1961 also by a group of individuals who cared about the University's future, manages programs through which people can contribute financially—today or in the future—to the colleges, schools, and specific causes they want to support.

It's not hard to understand how the activities of the association and foundation overlap and merge on occasion. Alumni are often donors and the best advocates of the University. Donors are often alumni and provide lifelines of support for University programs.

So what does this collaboration hold for you? Your membership dues or gift mean so much that we want to try our best to stay in touch with you and to keep you informed about the University. Since January, we've been sending the magazine to all individuals who contributed $100 or more to the University during 1984, not just to association members. This month we bring you a special insert, "Report to Investors," that acknowledges the extraordinary private support the University of Minnesota receives. Although the University receives more than $50 million every year in gifts and grants from the private sector, in this issue, we are recognizing *people* who, as individuals, gave between $100 and $1,000. As a group, they contributed $2 million last year.

In many ways, *Minnesota* itself is a report to investors every issue. The Alumni Association is proud to be of service to the University and to present "Report to Investors."

Gifts come in mysterious forms. Take, for example, the Roy Blount, Jr., story in this issue.

In *Merchandise Review*, a newsletter written by alumnus Kay Sexton, '47, for B. Dalton Bookseller, we read that Garrison Keillor's *Lake Wobegon Days* was scheduled to hit the bookstores in September. Knowing that Keillor is extremely popular with Alumni Association members (in fact, members of the Dayton, Ohio, alumni chapter suggested that their meetings be scheduled so as not to conflict with Keillor's "A Prairie Home Companion" radio show), we contacted the publisher and received an advance copy of the new book. We began mulling over just who would be the proper reviewer for this chronicle of the hometown of Bob of Bob's Bank, Ralph of Ralph's Pretty Good Grocery, Barbara Ann Bunsen, former University student, and the Statue of the Unknown Norwegian.

Georgia native and humorist Roy Blount, Jr., of *New Yorker*, *Esquire*, and *Crackers* fame, seemed an excellent choice. It was a bit intimidating to ask him to write a book review for us, but we did. And he agreed, perhaps because he's fond of his pal Keillor, perhaps because he admires the University's dedication to the Bobs and Ralphs and Barbara Anns of the state, perhaps because we had one of the few copies of the Book of the Month Club selection around, perhaps because we had the audacity to ask.

Normally we wouldn't mention it, but since Blount himself mentioned it, we will. He wrote the article for free, a gift to the University, *Minnesota*, and Minnesota. Thank you, Roy Blount, Jr.

Other gifts to *Minnesota* and the University begin appearing in this issue in the form of new columns. Faculty member Stanford Lehmberg contributed the essay on page 80, extolling the virtues of the cathedrals of sixteenth-century England; Alumni Association staff member Chris Mayr contributed the Once Over Lightly column on one Goldy Gopher on page 78, and Alumni Association committee member Kris Zimmermann of Land O'Lakes wrote the opinion column on polling on page 92.

Look for more contributions in coming issues of *Minnesota*. We've heard from some pretty interesting alumni, faculty, and friends who have promised to write for the magazine. The results are sure to keep you entertained and informed.

The State of
FOLK ART
The Folk Art of the State

The Minnesota map in Willard Moore's temporary office is replete with red circles, representing, says Moore with a laugh, either a good restaurant or a folk artist.

Moore is special curator for folk art at the University Art Museum, which received a grant from the National Endowment for the Arts in 1984 to research Minnesota's folk arts. Moore has been calling regional arts councils, county and local historical societies, arts guilds, and other resources, looking for folk artists and their work, building references for a future archive. He's traveled the freeways and gravel roads of the state in his 1976 survival-yellow Volkswagen Rabbit seeking out authentic folk artists, interviewing them and other community residents, and photographing their works for the archive. Pending further funding, the project will end with an exhibition, catalogue, and symposium of Minnesota folk art, scheduled for late 1987.

Moore's search has taken him to Milan to interview a prize-winning rosemaler, to Idington to see the work of weaver Katri Saari, to Park Rapids to visit an Ojibwa couple who make basswood baskets, to northeast Minneapolis to observe the art of Polish paper cutting—pleasant work for the former Russian teacher from Berkeley, California, and "research junkie" who became a folklore specialist.

The most difficult part of his job, says Moore, is not the traveling or interviewing but conveying to people what folk art is and what he's looking for.

"The shallow view that many people have is that anything that's outdoorsy or old or primitive or hobby craft is folk art," says Moore.

"I interviewed a woman who gets birch and maple hand mirrors and puts little flowers and curlicues on them and sells them as folk art. She's not a folk artist because there is no central cultural message to her work. There's something Bavarian, something Norwegian, Swedish, Russian. She's collected all these things from all over the world and just incorporated them any way she wants. There's no tradition there, except in some fragmented, disjointed form.

"She's a commercial hobbycrafter, part of Minnesota's vast material culture, but she's not a folk artist.

"When I look at her stuff I don't learn anything about anyone except her. Whereas if I look at the wood carvings of folk artist Leif Melgaard, for example, I know what wood carving was like in the Norwegian town he grew up in, how much he learned from the older carvers there, how much he brought to this country and how much he couldn't bring, how much he's forgotten, how much he has been able to adapt the Norwegian styles to here.

"Most people who study folk art are really looking at behavior, how a people's symbols, values, and world view are somehow manifested in the food they cook or the objects they make or how they raise their kids.

"It's all part of a large fabric of behavior, and folk art is just one little part of it, but frequently it's a very revealing part because it's so creative and the artist is at liberty to create and shape images in a way that reflects both individual energy and the audience's expectations. There is a tension between individual creativity and community traditions, which so affect one another that the art is the result."

Professionals are just now sorting out what is and isn't folk art, says Moore, but the definition he chooses to use is best summarized by Robert T. Teske in *El Palacio*, the magazine of the Museum of New Mexico.

Folk art, writes Teske, is accepted and dependent on a communal aesthetic—whether it's based on familial, regional, tribal, or occupational identity—shared by a group of artists and the community and refined by them over time; it's traditional in nature, with a conservative emphasis upon perfecting old forms instead of creating entirely new ones; and it's transmitted via informal yet highly structured and systematic means, such as informal apprenticeships.

Moore's survey has uncovered many folk arts that can also be found in other states and regions: quilts, blues music, Hmong tapestries, Ukrainian eggs. But he has also found, he says, some things that appear to be unique to Minnesota.

"In rural areas—you don't find this in cities very often—they decorate the landscape with something of themselves," says Moore. "They also do something that is much more subtle. They take an old piece of outmoded farm machinery, drag it to the highest point on their property, and sort of arrange it like sculpture. They mow around it and so forth. I've never seen that anywhere but Minnesota, and I've only seen it in the last couple of months. It's a farmer's apotheosis on a way of life nearly lost."

Moore points to a photograph on his wall as an example of landscape art—a maze of pipes and joints with a mailbox floating at the top.

"Now this plumber is a man who takes all of his expertise in plumbing and shows his skills," says Moore. "It expresses artistically what he does, what he knows. It's really an extension of his behavior, rather than some sort of separated, isolated art form that will be endlessly and timelessly appreciated.

"You can't always look at something and say whether it's real folk art just by looking at the form itself. What you really have to do is find out who made it and when and why and how it relates to the community it comes from. Then you know if it's genuine."

The following are three profiles of some of the genuine folk artists and their art Moore has uncovered during his year survey.

Katri Saari of Idington on Minnesota's Iron Range wove this rug in the Finnish tradition on a hand-carved loom, which at one time ten families shared. She never bought dyes and rarely used a pattern.

Willard Moore

Karen Jenson: ROSEMALER OF MILAN

By Peggy Ness Palmer

Stylized, deeply colored blooms, whose roots reach back centuries to the valleys of Norway's Telemark region, come alive again in the small rural community of Milan, Minnesota, under the brush of rosemaler Karen Jenson.

Jenson, who took her first class in rosemaling just twelve years ago, has established a reputation for creating some of the finest work of its kind in the world. Rosemaling is a form of stylized flower painting developed throughout many regions in Norway. Although Jenson's art shares some of the qualities of the rosemaling that adorned the homes and churches of Norwegian peasants centuries ago, it also reveals her own experience. Spontaneous and free-flowing, it is done without patterns, freehand. The result is a special sense of artistic integrity reflecting the artist's commitment to her craft.

Rosemaling began as a spin-off of carving in the old churches and eventually was used in the homes of peasants during the mid- to late 1700s, says Jenson. "The early paintings were done in chalk on logs," she explains. "The homes had open hearths with a hole in the center of the ceiling for smoke to escape, and the people didn't decorate their furniture or ceilings because of the soot from the fire." Later, after more homes had stone corner hearths with chimneys, it became more popular to paint ceilings, beds, and other furniture. By 1850, however, rosemaling was in decline in Norway. A century later, it was experiencing a healthy revival in the Upper Midwest.

Early rosemalers were often itinerant artists who painted in exchange for a bed and a meal. Free spirits, they produced art for the common people, yet often lived at the edge or outside of society. Folk stories of their escapades with drink and the law are still told in Norway.

"Many of the early paintings are very fine and beautiful," says Jenson, who favors the work of nineteenth-century rosemaler Thomas Luras in particular. Originally, rosemaling was done on cupboards, trunks, pails, and bowls—items used for special events like weddings, feasts, and holidays, rather than everyday use.

Jenson has been to Norway three times and this summer led a tour of rosemaling in Telemark during July and August. Although she is not of Norwegian heritage, she has made many friends in Norway and has enjoyed knowing and working with Norwegian folk artists. "I would say my style has gotten stronger after having been to Norway," she says.

During her third visit, she worked with several Norwegian rosemalers who were teaching a course. On the last day of the course, at the teachers' request, Jenson volunteered to paint certificates for the participants. This last-minute project turned into a special occasion when a Norwegian friend played folk music on the guitar while other artists watched Jenson paint. The other rosemalers were impressed because Jenson paints entirely freehand, and they wanted to take lessons from her. "I felt so honored, I cried," says Jenson, "I couldn't believe it."

Jenson's unique style comes from many hours of practice and work. She often puts in ten- to fourteen-hour days in her studio. Because her style of painting is more demanding in some ways than other styles, a great deal of practice is required, a fact she emphasizes to students in her classes.

Using clear, brilliant colors and few strokes, she paints stylized flowers with fine tendrils. She generally uses a cadmium red line at the growing part of the scroll to draw attention to the design. In most cases she doesn't do preliminary sketches. Before she begins painting, she uses oil on the background for a part-transparent, part-opaque effect. "There is a balance of both in a good design," she explains.

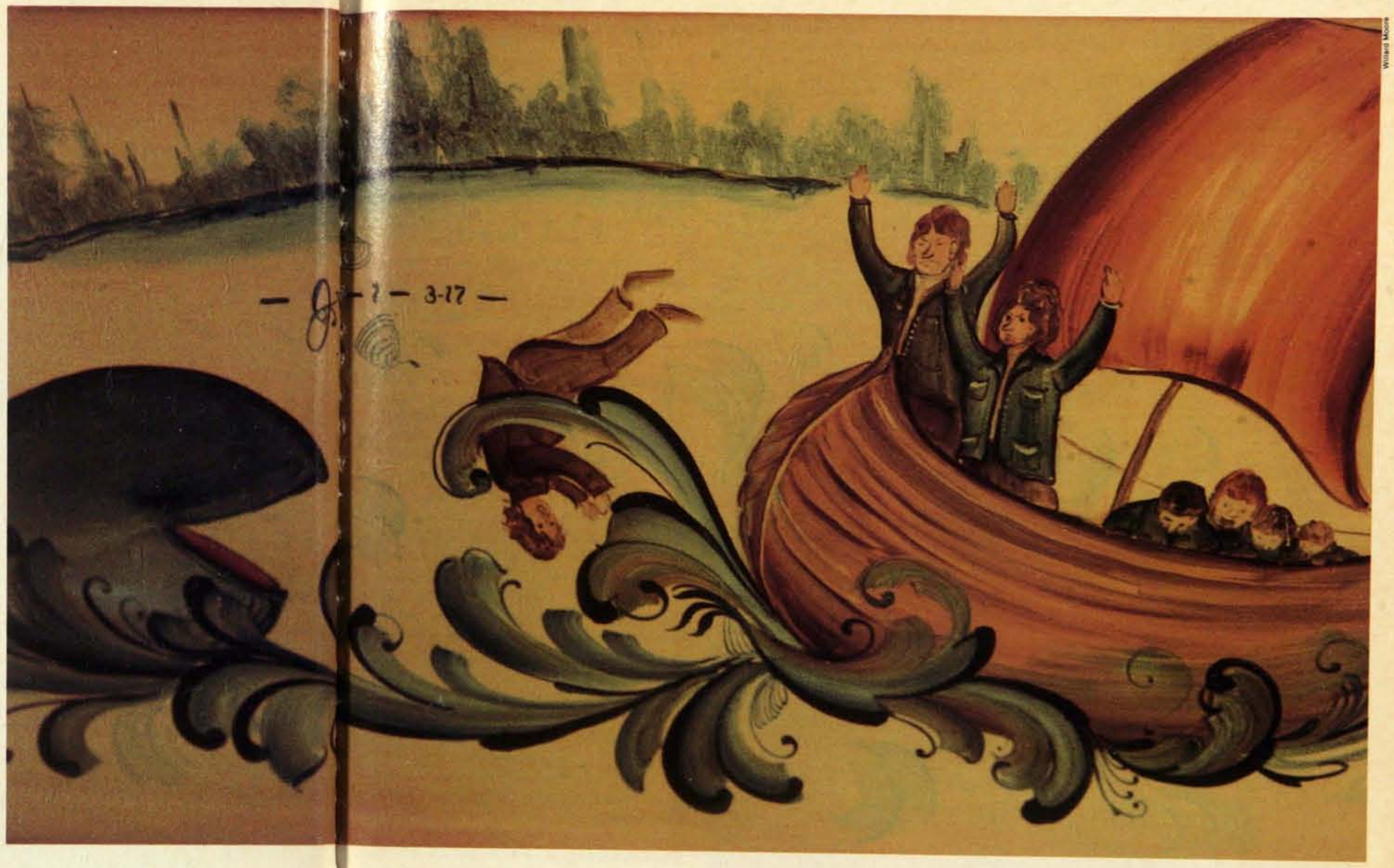
Two of the techniques she uses are not commonly used by rosemalers in this country because of the time, challenge, and expense they involve: lasuring and using gold leaf. Lasuring, still done throughout Norway, is similar to antiqueing. It involves painting over a background color to create an effect that resembles wood, marble, leather, drapery, or rope. The artist uses oil and applies paint with a brush, then removes the paint with turpentine to create the desired effect. Colors typically used are red on red, blue on blue, and blue green on green. The result enhances the rosemaling design.

Gold leaf is added in the shape of a square or rectangle to the design. In Norway, only the wealthy could afford rosemaled pieces with gold leaf. Being frugal, they used the whole piece of gold leaf rather than cutting it into other shapes. Jenson continues this tradition in several of her pieces. She paints around the gold leaf and very lightly over it so the brilliance of the gold shines through.

Jenson has won many awards for her work, including the medal of honor from Vesterheim, the Norwegian American Museum in Decorah, Iowa, the highest award that a rosemaler can achieve in the United States.

In Minnesota, her work can be seen in a number of public places, including the ceilings of First Federal Savings and Loan in Glenwood and Washington Federal Bank of Madison. She has just finished working on a special project with Minnesota artist Les Kouba. Kouba, challenged by WCCO radio announcers Charlie Boone and Roger Erickson to design a lutefisk stamp, had Jenson design a rosemaled border for the work.

Peggy Ness Palmer is a public relations representative on the Morris campus.

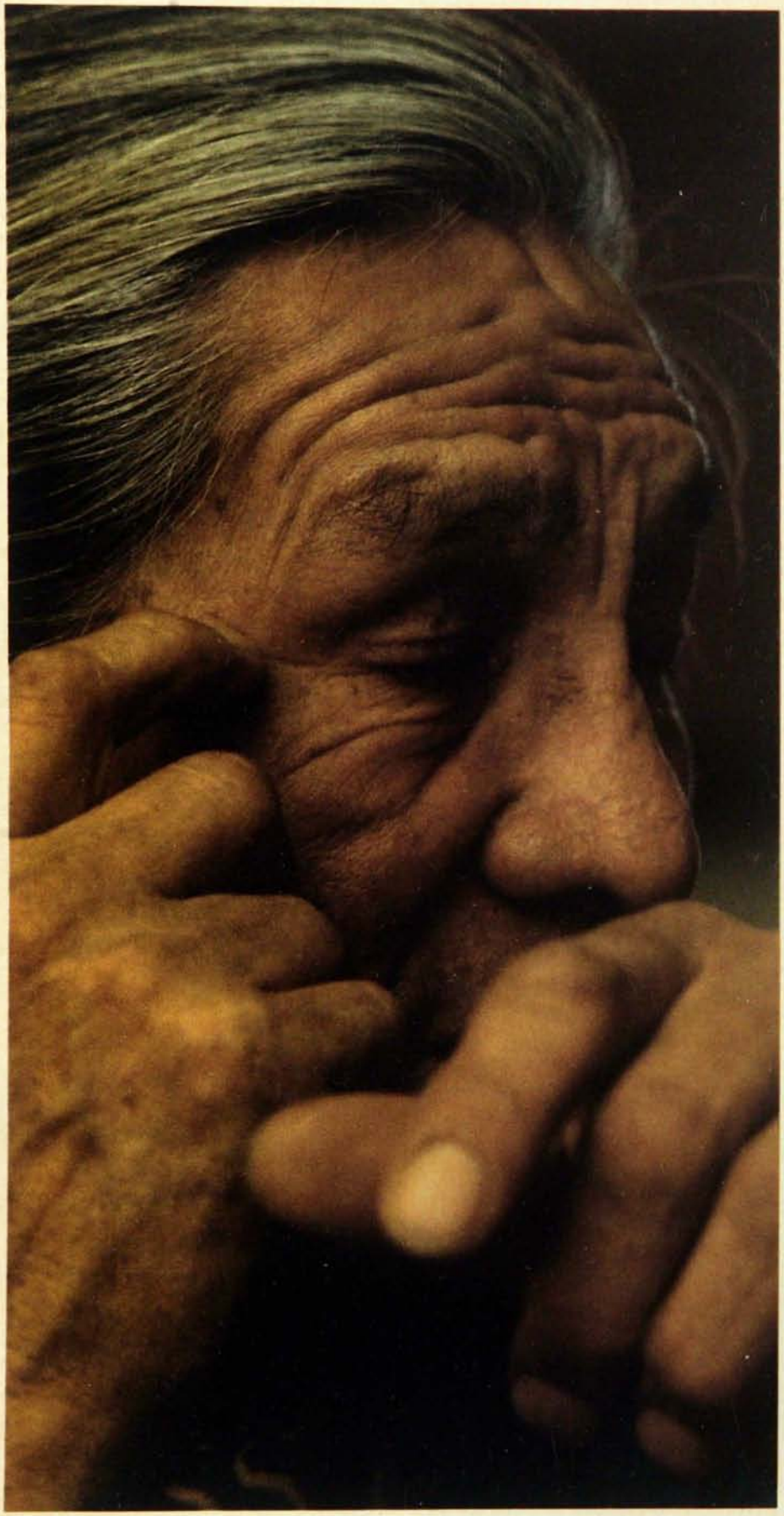


Willard Moore

Willard Moore

Willard Moore

Rosemaler Karen Jenson of Milan, Minnesota, is considered an expert at lasuring (used to paint the Biblical scene above) and gold leaf painting, techniques few rosemalers attempt. Above left is one of her earliest pieces; above right is a rosemaled wedding gift.



Tom Foley

Amos Owen: MAKER OF PIPES

By Paul Dienhart

High Bear, a powerful medicine man from the Black Hills, came to visit Amos Owen last week. For three days and three nights High Bear prayed and performed purification rites in the sweat lodge behind Owen's house. Before High Bear left Prairie Island—where buses rumble along the road in front of Owen's house carrying devotees to the bingo hall just down from the nuclear power plant—he asked Owen to make him an eagle claw pipe.

Amos Owen carves sacred pipes from Minnesota pipestone. More than that, he is a spiritual leader in the Dakota Indians' ancient religious traditions. In both capacities, he is known to Indians around the country, who come for his pipes and for the ceremonies at the sweat lodge where Owen helps interpret the answers to their prayers.

Owen has been carving pipes for more than 25 years, but his spiritual calling came only in the past five years. It was a natural progression. The pipe is a complicated symbol said to embody Indian religious beliefs. "Some people have called it a portable altar," Owen says. "The pipe is our means of communicating with the Great Spirit."

Tom Foley

For hundreds of years tribes have been coming to the sacred quarry near what is now the Minnesota town of Pipestone to dig for the pinkish-red clay stone for their pipes. The quarry functioned as a kind of Indian United Nations; even during times of war all tribes were allowed to come for stone.

As a boy, in the late twenties and early thirties, Owen went to an Indian boarding school at Pipestone. He would wander down to the sacred quarry and watch an old man dig the clay, then follow him to a nearby camp on the prairie, where the old man would make pipes by hand. Today Owen uses the same methods, except that he uses an electric drill to hollow out the bowl.

Usually once a year Owen travels from his home in southeastern Minnesota to the pipestone quarry on the southwestern border of the state to dig the stone, quarrying it just as his grandfather used to. His grandfather, though, would travel to the quarry from a reservation in South Dakota and walk all the way back from Minnesota, letting the stone ride on the back of his pony.

Taken directly from the ground, the moist stone is relatively soft and can be shaped with a hand file. Left in the air for a year, the stone dries to great hardness. Owen keeps a cache buried in his backyard. Pieces for current projects are left in the open air for six months to reach the hardness he prefers for carving.

After Owen cuts a piece of pipestone to the rough dimensions of a pipe, he draws the design on the stone and begins to shape it using an assortment of files. Working outside in the bright light at a table that seems ready to fall apart, Owen sees every little nick of imperfection in the stone. He hand rubs the pipe with 600-grade sandpaper until it is perfectly smooth, heats the pipe in an oven, then melts beeswax over the hot stone. This coating helps preserve the pipe and turns it from pinkish red to a rich maroon. The pipe is cooled in water and polished to a high luster.

That's only part of the pipe, however. Owen cuts the pipe stem from dried branches of dead ash and sumac trees. He looks for branches a little over an inch thick and cuts them into sections twelve to sixteen inches long. He removes the center pith of the branch with a hot wire, then carefully files an end to fit into the stone pipe. It takes Owen longer to make a stem than it does to carve his basic T-shape pipe.

Owen's pipes are in collections as far away as Eastern Europe. (He once spent fifteen days in Budapest demonstrating the art of pipe making.) But he gives most of his pipes to Indians who use them to pray. If the Indian has been on a vision quest, he may ask Owen to make a pipe in the shape of the animal that appeared in the vision. Buffalo and eagle claw figures are the most common shapes of these special pipes. Owen's eagle claw pipe has a bowl grasped from below by sharp talons, realism worthy of any vision.

It was a vision quest that gave Owen his authority as a keeper of the sweat lodge—in effect, made him a priest of the old religion. Becoming an Indian spiritual leader literally involves going to the mountain. For the Dakota, the mountain is Bear Butte in the Black Hills of South Dakota.

"I knew I would have to go one day," Owen says in his gentle voice. "One day High Bear came to ask me if I was ready to go on the vision quest. I said yes." They left immediately for Bear Butte, where Owen spent six nights of purification in a sweat lodge. Then he spent four days and nights on the butte, without food or water, praying to Wakan-Tanka, the Great Spirit. He repeated this ritual the following three springs, watching eagles—birds the Indians believe convey their prayers to the Great Spirit—wheel overhead.

Owen had visions during those four springs. Now his major job is interpreting the visions that occur at the sweat lodge ceremonies in his own backyard.

If a pipe is a portable altar, the sweat lodge can be likened to a church. It is a humble church by any standards: a low dome frame of willow boughs covered by black plastic sheeting and canvas (the modern substitute for buffalo hides). But, according to the Indian belief that all living things are sacred, the true temple is nature itself.

The sweat lodge ceremony is the oldest continually practiced ritual in North America. For a time official government policy banned Indians from practicing the old religion on reservations, but in 1978 full religious freedom was granted. Today, young Indians from the Twin Cities are drawn to the regular Friday evening sweat ceremonies at Owen's house. "It is hard for these young Indians, working at their jobs in the city and trying to find their way back to another world," says Owen.

The ceremony is not limited just to Indians. Men and women of all colors are welcome if they have a sincere interest, Owen says. "We are teaching respect for everything the creator put on earth. We want people to know about it and understand it. When the creator made the earth he used four stones: red, yellow, black, and white—all the colors of mankind. The stones formed a unity. We're a long way from that."

The sweat lodge ceremony begins with the assembly of the sacred pipe stem and bowl. "The creator is the bowl, and the stem is the people," Owen explains. They are formally united over a buffalo skull altar in front of the lodge. A stick in back of the skull supports "tobacco ties"—small lumps of tobacco tied at the ends of red cloth strips. The ties represent the prayers the participants want to address to the spirits. When the participants file into the sweat lodge they bring along the tobacco ties and hang them from the lodge frame.

Seven hot rocks are brought in from the fire outside, and Owen touches the stem of the pipe to each rock to welcome it. Seven is a sacred number. It stands for the six dimensions—north, south, east, west, earth, and sky—and the centerpoint where the dimensions meet. At the center is the Great Spirit.

After touching the seven rocks, Owen lights the pipe and passes it to everyone in the lodge. Songs in the Dakotan language are chanted to summon the grandfathers, the lesser spirits of the one Great Spirit. Twenty-four rocks are eventually brought into the center of the small lodge, and Owen sprinkles them with water.

"The steam is the breath of God," he says. "It cleanses the body and mind. Every person who comes into the sweat lodge has a reason, but they may not hear the message of the grandfathers. The role of the spiritual leader is to explain the message to them."

A sweat lodge ceremony may last two hours or more. It ends when Owen senses that the spirits of the grandfathers are ready to leave. Then the participants file out of the pitch-black lodge and cool themselves in the night air before coming into Owen's house for food and drink.

The sacred pipe is taken apart and enclosed in a traditional Indian medicine bundle until it is again time to pray at the sweat lodge ceremony.

Paul Dienhart is editor of the alumni edition of Update.

Amos Owen of Prairie Island, Minnesota, is a spiritual leader in the Dakota Indians' ancient religious traditions. Owen learned the art of pipe carving from an old Indian at the pipestone quarry near the Indian boarding school he attended. Owen carves the pipe bowl, left, from pipestone; the stem is made from dried branches of dead ash trees. The pipe, says Owen, is "our means of communicating with the Great Spirit."

Katri Saari: WEAVER OF TRADITION

By Shahla Rahman

During her lifetime, Katri Saari endured many hardships. She went to work at age nine, left her native Finland and all her family when she was twenty, and never found the gold she sought in America.

But she had one thing not everyone has. By her own definition, Katri Saari had *sisu*, the ability to keep fighting even when one has no more strength to fight.

Katri Saari lived most of her 91 years in a quiet farm house in Idington, in northeastern Minnesota. She was not a lawyer, a doctor, or a prominent businesswoman, but she touched the lives of hundreds of people all the same. Folklorists, linguists, historians, film producers, and others beat a path to her door to hear her tales and watch her at work on her unique loom.

Saari, who died in 1984, was well known on Minnesota's Iron Range as a folk artist whose weaving truly reflected the traditions of her native Finland.

Saari was born in Maliskya, Finland, in 1893, the eldest of three brothers and six sisters. When she was nine years old, she began helping her grandfather in his tailor's trade, even though her toes could barely reach the treadle of the sewing machine.

By the time she was ten, Saari was sewing dresses and undergarments for large estate holders. When she was fourteen, she was hired by a large estate to slaughter cattle at a salary of $10 per year.

In 1913 she immigrated to the United States. In an interview before her death Saari said, "I had heard tell of America, the land of gold, and that's where I wanted to go. There was no one in the house to whom I could say goodbye. I glanced at my baby brother and walked down the steps of my childhood home for the last time."

In the new country she worked in a boarding house and a bakery and served the wealthy as an indentured servant—"with precision," as she put it—until she married Gust Saari in 1917. In 1922 the couple built their family farm in Idington, where they raised two children and where Saari lived until her death last year.

"Hard here has been the work," she said about her life in Idington. In a typical day Saari may have churned butter, baked bread, made Finnish cheese, worked at her loom, done some sewing, or read about such subjects as history and

Katri Saari left her home in Finland to find gold, but settled in Minnesota, where her weaving and knowledge of folklore and history attracted scholars from around the world. She was the inspiration for the main character in the film *Wildrose*. At right is a sample of her weaving.

ntiques. She sewed on a Singer sewing machine she purchased in 1916, and she always tried to find time to weave, to translate into beautiful patterns the visions in her mind.

Saari's daughter, Vienna Maki of Hibbing, says her mother learned to spin yarn and weave at an early age, but as a child she never had the opportunity to do any serious weaving because of the many farm duties.

Saari's neighbor Victor Riepponen found a massive tree trunk in the woods and in 1909 built a loom from it. The loom, which Saari used till her death, is made of thick curved planks and is held together only with wooden pegs.

Maki says that originally ten families in Idington each paid $2 for the construction of the loom, which was transported from house to house in turn. Her mother was the last surviving member of the shareholders, and the one-of-a-kind loom remains in her home to this day.

Saari's early weavings were practical pieces. Maki says that when clothes became worn, her mother would cut them into strips and wind them into a ball. When she had a boxful, she used them to weave rugs.

"Mother never bought dyes and hardly ever used a pattern," Maki says. At first, Maki says, her mother did straight weaving using whatever materials were available—nylon stockings, rayon underwear, old pieces of clothing. Later she began adding subtle patterns to her work and eventually began to use finer yarns and more intricate patterns.

She had a nearly photographic memory for traditional Finnish patterns and designs and also created original patterns. Maki says her mother's work reflects Finnish weaving tradition—using wool yarns, geometric designs, lots of blue and green. "Mother liked a star pattern and also liked to work in a scroll pattern," Maki says. For Katri Saari, weaving was a way of keeping in touch with her past and her dreams.

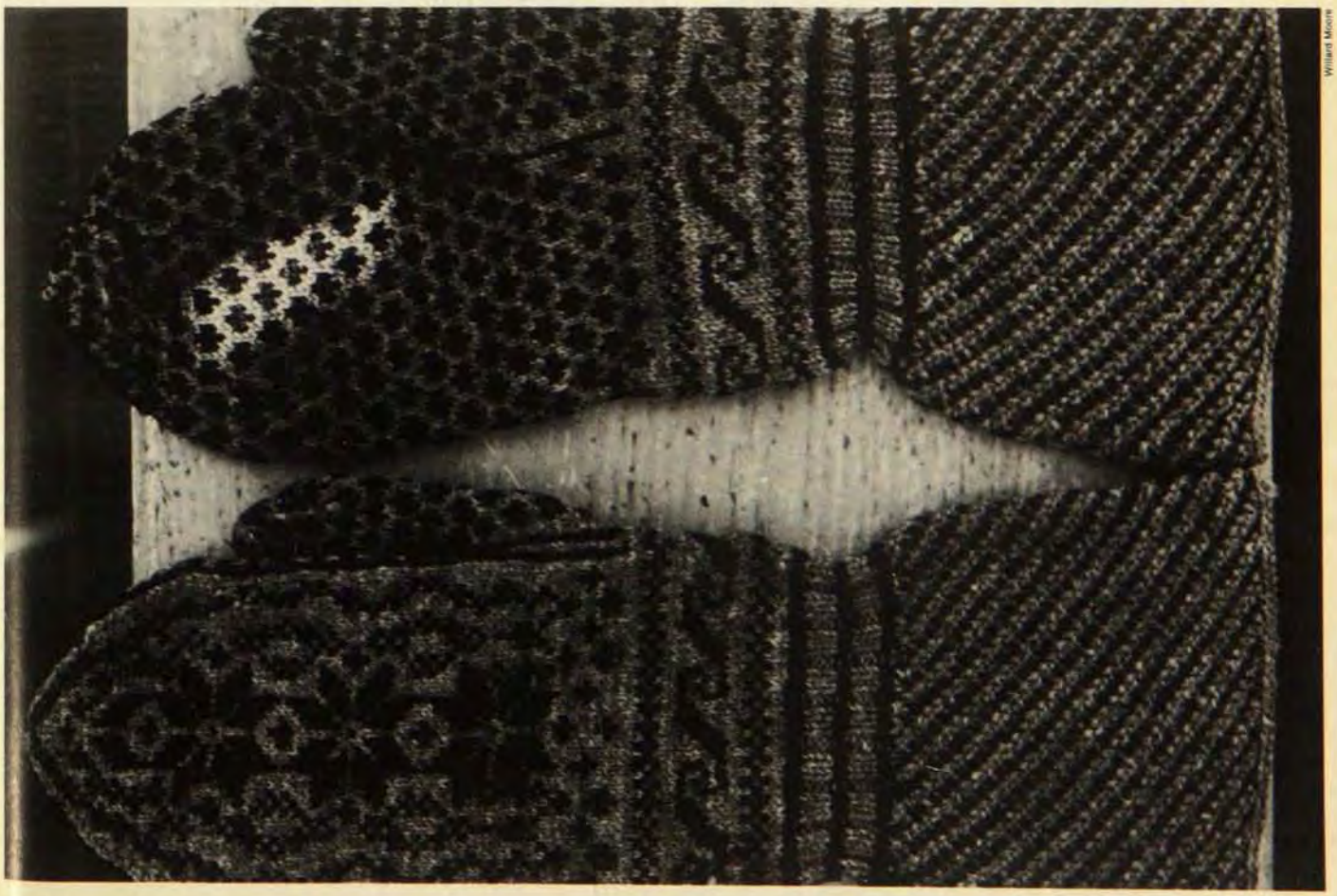
Her work was exhibited at county fairs, where she won several ribbons, and occasionally was exhibited elsewhere in the area. Slowly she gained recognition as spinner and weaver and became a resource person for scholars from the United States and Finland because of her knowledge of folklore, history, and linguistics.

Saari was one of the artists featured in *Tradition Bearers*, a film produced by Northern Michigan University, broadcast periodically by Duluth's educational TV station. And she was the inspiration for the character of the old woman named after her in *Wildrose*, a 1984 film about life on the Iron Range.

In an obituary for Katri Saari, Pamela Brunfelt of the Ottertail County Historical Society in Fergus Falls writes of the woman she came to love as if she were her own grandmother: "The Finnish-American community has suffered [with the loss of Saari]. She became a symbol of all that is special about being Finnish. She was tough, independent. She was also very kind and was a very special woman."

Perhaps the most telling detail about Saari is that she always kept her clock one hour ahead. There was always that one last batch of bread to bake, one last slab of butter to church, one last piece of weaving to finish.

Shahla Rahman is news editor at the University of Minnesota, Duluth.



Willard Moore

A Review of
Garrison Keillor's
New Novel

By Roy Blount, Jr.

Lake Wobegon Footnotes

Just over the Minnesota border in Boise, down in Georgia, and across the nation, people think Garrison Keillor is funny. Roy Blount, Jr., thinks so, too, but still he wants to know: Is *lutefisk* Minnesotan?

> . . . in 1955, a man from the University came and gave us "The World of 1980" with slides of bubble-top houses, picture-phones, autogyro copter-cars, and floating factories harvesting tasty plankton from the sea. We sat and listened and clapped, but when the chairlady called for questions from the audience, what most of us wanted to know, we didn't dare ask: "How much are you getting paid for this?"
>
> —Garrison Keillor,
> *Lake Wobegon Days*

I am not getting paid for this. I am doing it only in order to do what needs to be done: to bring the work of Garrison Keillor to the attention of a Minnesota audience. It seems to me that this writer—who lives in Minnesota, whose characters are Minnesotan, whose *mise en scene* is, in fact, a town named Lake Wobegon, Minnesota—ought finally, now, with the publication of his new novel, *Lake Wobegon Days*, to be read and acknowledged by Minnesotans.

I think I speak for the rest of the country when I say that, although Keillor is our best loved author, disembodied voice[1], and humorist, we have no more idea what he is *talking about*, exactly, than the man in the moon.

Take the whole question of *lutefisk*. It is true that in this novel Keillor goes more explicitly into the area of what exactly *lutefisk* is, really, than ever before. What it is, really, I now gather, is a form of seafood dish.

But still. I wonder. Whenever Keillor mentions *lutefisk* on his radio show[2], people laugh. Are these people, the ones who laugh, Minnesotans? I doubt it. I know that Georgians—I am one—do not laugh at the mention of grits. I mean, why would we? What grits is, is a part of breakfast. Why would we laugh at a part of breakfast?

What I think, quite simply, is this:

It is high time that Minnesotans, other than the author himself, become acquainted with this delightful author, so that we in the nation at large can be sure that he *is* delightful—as delightful, I mean, as we think he is. . . .

Or whether he is just Minnesotan.

Maybe he isn't Minnesotan at all. Maybe he just says "snow" and "*lutefisk*" and how do *we* know? Sounds Minnesotan to us.

But if he is so Minnesotan, how can his school days have been so uncannily similar to mine? (By which I mean, so similar to what mine would be if I could remember them as well as he evidently—if we are to believe him, anyway—can remember his.)

> I liked Miss Meiers a lot, though. She was a plump lady with bags of fat on her arms that danced when she wrote on the board: we named them Hoppy and Bob.
>
> —Garrison Keillor,
> *Lake Wobegon Days*

Mrs. Veach's arms were like this. In algebra. And why we didn't think to name the bouncing parts of them, I don't know. But we would have, if we had thought about it. Because we can think of things in Georgia, too, you know. We can even come up with a good turn of phrase.

> Bud is there, who gets a twinge in his thighs around Christmas, remembering the year the ladder went out from under him as he was hanging decorations, and he slid down the telephone pole, which was somewhat smoother after he slid down than before.
>
> —Garrison Keillor,
> *Lake Wobegon Days*

[1]He has a radio show. If I were to get into that whole can of worms, though, we would never get out of this footnote. I might say that one of the most striking features of *Lake Wobegon Days* is its footnoting. One particular footnote, on p. 250—I mean *beginning* on p. 250—has been called—by Keillor himself (in conversation), but still—the longest footnote in the history of American fiction. Which is one way of going down in the history of something.

[2]Never mind. Really. Trust me. Never mind.

Jim Brandenburg

Yes, Roy Blount, Jr., there is a Garrison Keillor, and he lives and works in Minnesota (and yes, there is a Minnesota). His new book, *Lake Wobegon Days*, destined to be a national best-seller, may be a hard sell in Lake Wobegon, however. Why should they pay for something everybody in town already knows about?

We can come up with turns of phrase like that. If we have time.

If we don't have time, we tell Speedy Gonzalez jokes. I had forgotten about Speedy Gonzalez jokes; but it's true, that is what Georgians tell when they are Boy Scouts. Or at least they did when I was one. So why is it that I had forgotten all about Speedy Gonzalez jokes, for years and years and years, until I perused a book by a Minnesotan which takes us back to what Minnesotan Boy Scouts did when their Scout leader wanted them to be working on semaphore?

I don't know. It is uncanny.

But is it Minnesotan?

I need some Minnesota people to help me out here. Some Norwegian bachelor farmers, for instance. The world never heard of Norwegian bachelor farmers until Keillor brought them up. Now they're as real as Munchkins. Maybe he *made* them up. Who knows?

You know. The Minnesota audience.

Keillor has, until now, studiously avoided being exposed to Minnesotans. The radio signal[3] has always been jammed in-state. Keillor himself, I understand, never dons his trademark Viking garb until he crosses the state line into Idaho, or whatever the next state over (you could help me on this) is.

So read this book.

And then you tell me.

Is it great?

(I mean, *I* think it is, but what do I know?)

Or is it just Minnesotan?

Which doesn't mean I am necessarily going to take your word for it.

I mean, how is anybody going to know when Minnesotans are pulling anybody's leg?

Minnesotans?

Who knew Minnesotans pulled legs? Until Keillor.

I didn't even realize "Gonzalez" was at all a concept known to Norwegians.

In closing I would like to say this:

Lutefisk[4].

Georgia native Roy Blount, Jr., has written for Esquire, The New Yorker, Sports Illustrated, *and other national publications. He's the author of* Crackers. *His latest novel,* What Men Don't Tell Women, *was published by Little, Brown & Company in 1984.*

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[3]I'm telling you, you don't want me to go into it. I will say this, which should be uncanny enough: In *Lake Wobegon Days* the author reveals that the radio show is named for a cemetery. Hmmm.

[4]I know. I said I wouldn't go into the radio show. But you should, probably, some Saturday evening before your hockey date, drive across the border to Boise or somewhere and catch the radio show.

You may be amazed. The radio show is something a lot of people wonder about, frankly.

In fact . . .

Okay, let's get down to it. This is something that ought to be cleared up before we go any further.

It is a legitimate question. It makes you stop and think—about America and yourself and about whether you were as crazy growing up as you thought you were.

And never has it (this question) been raised more forcefully than in the work of Garrison Keillor.

Here is the question:

Is there really a Minnesota?

I mean, like, on the map?

If there isn't, it's the map's fault.

THE SOPHOMORE CLASS

By Maureen Smith
Photography by Steve Woit

Within the past year new deans have taken office in the Institute of Technology, the School of Management, the College of Agriculture, the Medical School, and the College of Pharmacy. After a year on the job, they are in a good position to reflect on where their colleges are and where they are headed. ❑ The University is a collection of colleges, and in addition to the new leadership offered by President Kenneth H. Keller, important directions will be set by the new deans. In separate interviews, all of them embraced "A Commitment to Focus," Keller's plan to sharpen the University's mission and to make it one of the top five public institutions in the country. All said their goals for the colleges and schools fit well with Keller's plan. ❑ They agreed, too, that being a dean is a big job, even bigger than they had expected. A dean must guide the academic development of the college and build support in the wider community. At the same time, a dean must meet the challenge of staying in touch with students, faculty, and the classroom, and juggle with ever-increasing research demands. It's a job that means long hours and full calendars. ❑ They've learned their way around campus, and passed their first year with honors. Here, then, are their plans and challenges for the next year.

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C. Eugene Allen
College of Agriculture

"Too many people still believe that if you're in agriculture you're interested in farming. Only 7 percent of our graduates go back to the farm or go into farming."

If your ideas about agriculture are drawn from the mass media, you might think that this is a depressing time to be dean of a college of agriculture. C. Eugene Allen, now entering his second year as dean of the College of Agriculture, doesn't see it that way.

"There are so many things going on in agriculture right now that it's difficult to sort out where your excitement should be," he says. "Everbody has heard about the farm crisis. Other things, perhaps because they are positive, do not receive as much press.

"Minnesota's agriculture is very rich, not only in tradition but in productivity—because of our land, our climate, and the sincerity and work ethic of our people in rural Minnesota," he says. "It is no accident that Minnesota is now fifth in farm cash receipts."

Allen believes that one reason for Minnesota's strong agriculture is that the University's "teaching, research, and extension programs have performed certainly above average." For one example: "We have moved the corn belt north by breeding new varieties of corn."

A former professor in animal science and in food science and nutrition at the University, Allen finds the pace of his job as dean is faster and the demands greater than he expected. Yet he likes the change. "It would drive some people up a tree," he says. "You pick up your three-by-five card in the morning and see what you have to do that day. As a dean you're doing things you know are going to influence lives, but you never see it as directly as in the classroom."

But, he says, "like a faculty member who watches a graduate student grow and develop, I think it's fun to watch programs and departments grow and develop."

Enrollment has been declining in colleges of agriculture across the country, perhaps because young people are unaware of all the opportunities in agriculture. "We are facing some major human capital shortages in agriculture," says Allen. "We are about 13 percent short overall and in some fields shorter than that. Too many people still believe that if you're in agriculture you're interested in farming. Only 7 percent of our graduates go back to the farm or go into farming."

Another misconception is that students in the College of Agriculture are mostly from farm backgrounds. "The majority of our students come from urban areas," Allen says. "Sixty percent come from the seven-county metropolitan area." And more students from cities and towns might choose the College of Agriculture if they knew the opportunities were wide open.

"As our recruiting brochure says, if you're interested in science, business, communication, marketing, the international dimension, you should be interested in agriculture," says Allen.

Although the plight of the family farm is never far from the public consciousness, the magnitude of the problem "depends on how a family farm is defined," says Allen. There are families who operate small, medium, and very large commercial farms that are very successful. "Others are having a difficult time and are not going to make it," he says.

Small farmers and large commercial farmers have vastly different needs for agricultural research, and the University must respond to both kinds of needs. Beyond that, says Allen, there are the needs of the rural communities.

"As agriculture goes, so go the rural communities. We are going through major changes in the structure of rural Minnesota. Some of the issues are social issues, some are business issues." Rural communities, Allen says, have "all kinds of problems that need the assistance of the University, including financial management of community resources, waste disposal, social services, environmental issues, education. All indications are that we're going to lose some rural communities. We're going to have to have some consolidation of schools."

Responding to the needs of rural communities is important both to those communities and to the University itself, says Allen. "I believe the University of Minnesota is at somewhat of a crossroads, in that we have a new president, we have a number of other new people, we have many new faculty—at least in my college—because of turnover.

"The people of the state of Minnesota have a soft spot in their hearts for this university, but some of them have a difficult time relating to it. There's a lot of support for the University if we will only listen and decide how our programs can meet some of their needs. If we don't, we run a very high risk of losing what has been excellent support for this institution."

Gilbert Banker
College of Pharmacy

Twenty years ago, not long after he had been named a full professor of industrial pharmacy at Purdue University, Gilbert Banker started spending one month every summer in Baudette, Minnesota, working with Rowell Laboratories in drug development.

"There's a saying that once you drink out of Lake of the Woods you'll be back," Banker says. Not only did he return every summer, he moved to Minnesota this spring to become dean of the College of Pharmacy.

Banker had been offered deanships before and turned them down. He was head of industrial and physical pharmacy at Purdue for eighteen years, and he could have stayed there comfortably for another eighteen. But the Minnesota offer was too exciting to resist.

"Within the Twin Cities there is a greater concentration of hospitals and clinics and major medical facilities than I think in any area of like square miles or like population," he says. "Pharmacy is very much involved in many of these settings. There is new potential for the practice of pharmacy."

Banker, who has been on the job full-time since April, has spent his first year "meeting the pharmacists and pharmacy practitioners in the state to learn about their needs for personnel, the type of continuing education they're seeking, the type of alumni interaction they'd like to have."

One of the big issues facing pharmacy nationally is whether the entry-level degree will be the traditional five-year bachelor of science in pharmacy or the six-year Pharm.D. degree with its strong clinical emphasis. At Minnesota students are able to elect which degree path to follow, and about half have been electing to go each way.

"There is a national movement toward [having] the Pharm.D. as the entry-level degree beginning about 1990," he says.

"Within the Twin Cities there is a greater concentration of hospitals, clinics, and major medical facilities than in any area of like square miles or like population. Pharmacy is very much involved...."

"Whether that will occur nationally I don't know. I also don't know what the needs are in the state of Minnesota, where there is one large metropolitan area, some smaller ones like Duluth, and some fairly rural areas."

In at least some of the rural settings, he says, pharmacists may not feel a need for the highly clinical Pharm.D. degree and may be more interested in getting more training to be successful business people. "I don't come to the University of Minnesota with any preconceived notions or grand master plans," Banker says. "I will meet with the pharmacists in the state."

To seek recommendations on a number of issues, Banker has appointed a pharmacy advisory council, made up of the chief elected officers of various pharmaceutical associations. He will also be naming a more broad-based task force, which will bring together urban pharmacists, rural pharmacists, pharmacists with different degrees, and professionals from chain drug stores and from health maintenance organizations.

One of Banker's goals, which dovetails with President Kenneth H. Keller's "Commitment to Focus" plan, is to enhance the College of Pharmacy's graduate education and research programs. "That was a goal I had when I looked at this college and analyzed what I would want to do if I came here," he says.

Enrollment in the college has been reduced from a high of 125 to 140 five years ago to about 80 per class today. "The college did this in response to the loss of federal capitation funds and also to a number of years of retrenchment," Banker says. "Enrollment may be too low currently. Last week's Sunday paper had about twenty openings for pharmacists. Some people aren't even advertising, and they have major needs. If pharmacists are in short supply in the Twin Cities you can be doubly sure they're in short supply in the rural areas."

Banker says the college has slipped in recent years. "I'm not at all convinced it's currently in the top five. But the environment is here, if we can attain the required resources, to put it not just in the top five but second to none."

Banker is not the University's newest dean. Robert Kane, who had been professor-in-resident in the schools of medicine and public health at UCLA and senior researcher at the Rand Corp., took office as dean of the School of Public Health beginning August 15, too late to be interviewed for this article.

"That's one thing about being the new dean," Banker says. "You're not the new kid on the block for long."

Preston Townley
School of Management

"Not everybody jumps up and down to throw money at us, but in the main people are very supportive."

Preston Townley isn't saying that President Kenneth H. Keller stole his ideas from the School of Management. But he does point out that before Keller wrote his "Commitment to Focus" plan, with its goal for the University to be among the top five public universities, the management school had set its own goal of moving into the top five public business schools.

Today the school is probably among the top ten public schools and is somewhere in the second ten among all business schools, says Townley.

The management dean came to the University from General Mills, where he was executive vice president. As Townley sees it, the School of Management has strong ties with the business community and has received outstanding support. "Not everybody jumps up and down to throw money at us, but in the main people are very supportive," he says. "They recognize that it's become a better school in the last five or six years, and they want us to continue to improve."

Like the other deans, Townley says his job is "a heavy, heavy administrative job," where "a lot is expected, probably more than I knew." For one thing, he says, there are "a lot of breakfast meetings, lunch meetings, and just plain meeting meetings."

Even with all the demands of the job, Townley has kept a promise to himself to sit in on a number of classes. "I wanted to see what our students were like and what our teaching was like," he says. "That's the dessert of the job. It's all too easy to let these piles of paper and the telephone and the administrative stuff overwhelm you."

The classes he has visited have impressed him. "I think we've got some very bright students," he says. "I've attended day classes and night classes, undergraduate and graduate. I've often chosen case-study classes, and I have certainly felt that the student participation, both in eagerness and in breadth of involvement, was as good as any of my memories of attending classes at my alma mater, Harvard Business School. And I've liked what I've seen of the faculty."

Townley was particularly impressed by one course he sat in on: a strategy management course in the MBA program, in which chief executive officers (CEOs) are brought in to talk with students.

"I told the students when I introduced the class, 'You're about to see ten CEOs. Once you start your business career, it's going to be much tougher to get this close to any CEOs. Maybe eventually it won't be, and maybe eventually you'll be one. But for now, this is a very special thing.' "

Although Townley supports President Keller's plan to refocus the University's mission, he questions the specific recommendation to cut in half undergraduate enrollment in the School of Management. "We have stated clearly that we are concerned about offering the highest quality undergraduate education we can offer, and we have wrestled with the issue of size and quality," he says. "We were signaling that there might be a reduction in numbers, but we never signaled 50 percent. I think it's highly likely that we will be looking at a reduction in numbers, but I'm going to guess that it will be less than 50 percent."

One highlight of Townley's first year as dean is the school's receiving a $2-million grant from IBM to expand graduate instruction, faculty, and research relating to the management of information systems in organizations. "That recognizes one of the areas of our school that is truly outstanding—management information systems," he says.

"I'm doubly delighted by it, because at the last meeting I had with [then-president] Peter Magrath and [then-vice-president] Ken Keller about taking this job, Peter had on his desk the letter announcing the competition. He handed it to me and said, 'This is one we'd like to win.' "

The first-place finish of a team of University business students in a national undergraduate business competition marks another highlight for Townley. "It was a really well-deserved victory," Townley says. "I took them out to lunch after they'd done it. It made you feel good that you were associated with them."

People keep asking Townley how his job as dean compares with his executive job at General Mills. "Basically a dean's job is a management job," he says. "There are more similarities than differences."

Still, there have been some pluses and minuses in moving to the University. In an interview before the end of the legislative session, Townley said he was frustrated by the uncertainty of funding. "As we sit here today not knowing what the budget situation is, I find it very difficult to run an operation at all. But in net it's been a very satisfying experience."

General Mills was a stimulating environment and "just loaded with really bright people," Townley says, but "without taking anything away from General Mills, there's a far broader range of interests here. That's a difference that is very enjoyable to me."

When his son visited recently from Massachusetts, Ettore "Jim" Infante and his wife took him to dinner. One of the waitresses recognized Infante because she had taken his calculus class. "That gave me a lift for the rest of the evening," says the new dean of the Institute of Technology (IT), former director of the division of mathematical science at the National Science Foundation, and Brown University professor.

Teaching is important to Infante, although during his first year at the University he made the mistake of choosing an 8:15 a.m. class. "I wasn't aware of how fond Minnesotans are of having breakfast meetings," he says. The students were excellently taught—the head of the math department filled in when Infante missed classes—but Infante regretted every class he missed. "I look upon myself as a faculty member first and foremost, a professor of mathematics."

Infante was born in the northern Italian city of Modena, moved with his family to Venezuela when he was ten, and came to the United States at sixteen to enter the University of Texas. It was a professor there who gave him the name "Jim." He became a U.S. citizen in 1964.

Teaching and research are the dean's deepest professional values. "All of the rest counts for naught except for the teaching and research," says Infante. "All of the rest is a servant's activity toward the community, but the purpose of the community is that."

Still, a servant's activity has its own challenges and rewards. "It's a heck of a lot more work than I ever expected it to be. I'm beginning to come out of the steepest part of the learning curve."

Any new dean is a learner, but Infante jumped in with unusual intensity. At the time he arrived, IT had been asked to present a ten-year facilities plan to the legislature. Infante saw it as an opportunity to look not only at facilities but at the intellectual component of each unit in IT. "We spent a very intensive six months in a close and careful review," he says.

Ettore "Jim" Infante
Institute of Technology

"Only 17 to 18 percent of our undergraduates are women. My expectation is that in ten to fifteen years it will be 50 percent. We think the pool will increase."

Infante lists some of the things that excite him in IT. "I look at chemical engineering, the fantastic first-rate department. I look at astronomy, which wants to build a new telescope. I look at mathematics and the Institute for Mathematics and its Applications. I look at physics and see the Soudan mine experiments. I look at mechanical engineering and, just to name one, the Particle Technology Lab."

But IT has its problems, and the biggest is that demand has outpaced resources. Enrollment has grown in the past six or seven years and, in fact, has doubled in the engineering departments, while resources have remained essentially constant. "We have gotten ourselves into an untenable position," says Infante.

Students want to enroll in IT, and employers want IT graduates. But Infante has presented a plan to cut undergraduate enrollment, even though "it's quite clear that for us to cut our students would really be counterindicative to the needs and opportunities in the state. If we're not going to cut students, we need to increase enormously our resources."

Requirements are very competitive both for entering IT and for advancing from lower division to upper division, and as a result, students are turned away who could benefit from an IT education and make a valuable contribution. "We like these students, and the students are needed," he says. "It's not a very pleasant situation."

Some think that demand will ease as the number of high school graduates declines, but Infante doesn't expect the demographic patterns to affect IT at all. "Only 17 to 18 percent of our undergraduates are women," he says. "My expectation is that in ten to fifteen years it will be 50 percent. We think the pool will increase."

One source of relief will be the new engineering programs in the state, Infante says, and he has been meeting regularly with the deans of science and engineering at the University of Minnesota-Duluth and at the state universities in Mankato and St. Cloud.

The problems must be addressed over time. "If somebody were to throw a barrel of money at me I couldn't solve the problems right away," says Infante. "It's very difficult to find the right faculty, and if we *were* to find the faculty we wouldn't know where to stash them. We have to take serious, concerted steps.

"I remain optimistic. Perhaps we have not verbalized our needs and opportunities as well as we should have, but they are honest needs and opportunities.

"I'm delighted to be in Minnesota. It's a great university, with first-rate students. We've had enormous support from the alumni, the corporate community, and also quite frankly from the legislature. All the ingredients are here."

David Brown
Medical School

"It's important to point out that we have one of the strongest records for research in the United States. Our faculty are responsible for some of the major advances in biology and medicine."

The dean of the Medical School is one of two new deans who came from within the University. David Brown, a professor of laboratory medicine and pathology and of pediatrics, was director of clinical laboratories at University Hospitals from 1970 until he took office as dean last September.

Most of his first year was spent talking with people: recruiting faculty, seeking resources, acting as a salesman for the school. Two of his favorite topics have been the exciting possibilities in medical research and, on the down side, the financial problems of the Medical School.

"In terms of research, we are improving the interdiscplinary research environment," he says. "We are particularly excited about the interdisciplinary research with other schools." The Medical School is working with the College of Agriculture in nutrition, with the Institute of Technology in bioengineering, and with the College of Liberal Arts and the College of Biological Sciences in neurosciences, genetics, and cancer research.

"It's important to point out that we have one of the strongest records for research in the United States," Brown says. "Our faculty in many areas are responsible for some of the major advances in biology and medicine."

One challenge for the Medical School is to be responsive to the changing situation in health care. "In this community there is more intensity of concern about the costs of health care than there is in most places, and a greater degree of competition among health-care providers for patients.

"While maintaining our high standards of excellence in patient care, education, and research, we are putting more emphasis upon establishing a conceptual framework of basic knowledge of biology and medicine upon which to [base judgments] on the most cost-effective way to practice medicine."

Genuine concern about an oversupply of doctors, both now and in the future, has prompted the Medical School to cut class size to 210 this fall, down from a high of 239. The goal is about 200. "That does not take into account any plans at either Mayo or Duluth, which, I understand, are not changing their class sizes," he says.

With starting salaries for physicians down and indebtedness up, Brown points out that many Medical School graduates are facing financial difficulties. Minnesota is the second-most-expensive public medical school in the United States. The average indebtedness of the current first-year class upon graduation will be about $42,000, not counting the debts of spouses. The average income of all physicians decreased by 20 percent in the last year, and the starting salary for primary-care physicians in the Twin Cities is now between $36,000 and $42,000.

Brown says the goal of the Medical School, now one of the top five public medical schools, is to be one of the top five or at least the top ten of all medical schools.

In aiming for the top or even in trying to maintain quality, he says, the biggest problem is funding. "This is clearly a state-assisted, not a state-funded, institution," he says. "We are 4th among all medical schools in the number of students, but 46th in the number of basic science faculty and 103rd in regular operating expenditure per student. That's an indication of relatively low levels of state support.

"We are 74th in student-faculty ratio. Despite that, our faculty have been particularly successful. We are 6th in the number of primary investigators, which is an indication of research leadership." But, says Brown, most of the funding for research projects comes from sources outside the University.

"People here are productive, but that productivity is jeopardized by the magnitude of their responsibility," Brown says. "It is an institution-wide problem. If this is going to continue to be an economically sophisticated and highly productive community, it's going to be heavily dependent on the strength of the major educational institution in the state."

Maureen Smith is the editor of the faculty-staff Update.

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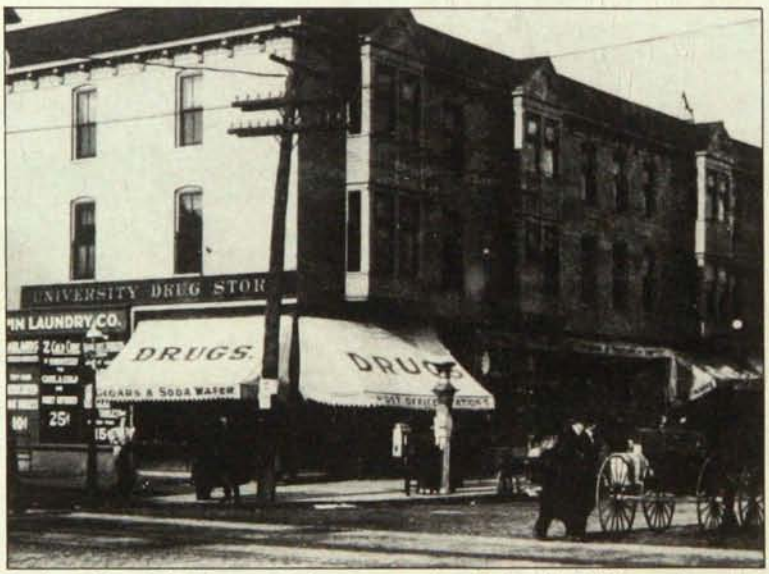
A SHORT HISTORY *of a* VERY SMALL PLACE



One legend has it that the name *Dinkytown* comes from the Grodnik Building on the corner of Fourth and Fourteenth that houses Gray's Campus Drug. *Grodnik* loosely translated from the Polish means "little village."

BY AMY WARD

Some, like thousands of students, just passed through on their way to an education. Others—like Stiffy Stedman, Mel McCosh, Spider John Koerner, and Al Johnson—stopped long enough to build the biggest little college town this side of the Mississippi

Perhaps the story started this way: The year was 1855. A Minnesota settler, Calvin Tuttle, stood in a grove of trees by a creek that bore his name. Off in the distance, he heard a waterfall where the creek dropped down a gorge into the Mississippi River. A beautiful spot, Tuttle mused. But what would become of this place when the territory became a state? What would happen to this land that would be part of Minnesota long after he was gone? The cottonwood leaves rustled overhead in the summer breeze. Minnows darted in the rushing stream as he dipped his cupped hands into the clear, cold water for a drink. A new state will need a new university, Tuttle thought, and these 40-odd acres would be the perfect spot for it.

That year Tuttle donated his land to the state as the site of the new university. When the dust settled after the Civil War, the new university, the houses along fraternity row, and the first shops of the marketplace we know as Dinkytown were built on Tuttle's Addition.

Dinkytown is the commercial and social center on the northern edge of the east bank of the Minneapolis campus. It is a meeting place and shopping center for those who study, teach, and work at the University. Succeeding generations of families have spent their free time as University students in Dinkytown, and it's possible that they've spent their money in some of the same shops. Simm's Hardware has been in business there since 1887, and Bob Hanson of the House of Hanson has been selling groceries to hungry students since 1932. But it is more likely, if you are a student in 1985, that the establishments your grandmother, mother, and older sister once patronized are gone. The College Inn Hotel is now Dinkydale. Perine's Campus Book Center is out of business. So is Rusoff and Co. Booksellers.

Al Johnson, former owner of the men's clothing store that still bears his name, points out a paradox about Dinkytown. Although the neighborhood has seen many changes in the 50 years that he's worked there, Dinkytown essentially looks the same. When one store goes out of business, another moves in to take its place. The names on the signs change but business goes on as usual, says Johnson.

The kinds of businesses, as well as the proprietors, have changed with the years. It's been some time, for example, since a student could purchase a horse at the University Livery, Boarding, and Sale Stable at 415 Fourth Street SE.

And horse-drawn carriages on Fourth Street have given way to mechanization. In the twenties, you could catch a streetcar on Fourth and ride to downtown Minneapolis for about a nickel, says Johnson. And there was much less traffic in the twenties to crowd the street. On a summer day, it was so quiet in Dinkytown, "you could shoot a cannon down the street and you wouldn't hit anybody."

The intellectual climate of Dinkytown spawned and supported a succession of businesses dealing with the writing, publishing, and wholesale and retail selling of books. Perrine's Campus Book Center flourished for nearly 60 years at its various Dinkytown locations.

If shooting off cannons worked up a thirst, you could pay a call at Stiffy's Gopher (located where Ragstock is now and where Perine's used to be) to slurp down a soda or a malted and listen to the proprietor's legendary wit and wisdom. William Harrison "Stiffy" Stedman committed some of that same insight to paper in the form of a column in the *Minnesota Daily* called "Stiffy Sez." He couldn't refuse credit to an athlete and is said to have been such a serious football fan that he missed only one game in the decade he worked in Dinkytown.

Stiffy wasn't alone in his passion for football. In the twenties and thirties, students gathered around bonfires by Bierman Field the night before a big game and then, by the hundreds, snake-danced through Dinkytown.

And if a young man had a date for the homecoming dance, he could surrender himself bodily to establishments like the Ski-U-Mah Barber Shop and Bath Room on Fourth Street. While the customer enjoyed a shave, a haircut, and a bath, his laundry was sent out to be cleaned, too.

No one knows for sure where the name *Dinkytown* comes from. Some credit University students or a local photographer with the invention. Or the name may refer to the old University Theater (on the site of the present-day Varsity Theater) that was so small patrons called it the Dinky. One legend has it that the name stems from the Grodnik Building that houses Gray's Campus drug. *Grodnik*, loosely translated from the Polish, means "little village."

But the real source of the name, says Steve Bergerson, a free-lance photographer who once set out to write the definitive history of Dinkytown, comes from the railroad. A dinky is a small locomotive used for logging and for shunting cargo short distances. Around the turn of the century, dinkies hauled logs from lumber mills near St. Anthony Falls to the train yards near Bierman Field.

Al Johnson first learned of the name when he returned to Dinkytown after World War II to start his own store and saw the name on a sign above the dime store across the street. Male enrollment at the University was 20,000 after the war, a big jump from 12,000 in the prewar years, so it was a good place to locate a men's clothing store. But the best time in Johnson's career was the fifties. "Back in those days, before the Vietnam War came along, everybody used to 'dress' more than they do now," says Johnson.

Johnson remembers Bob Dylan coming into his store. But most of the patrons of the 10 O'clock Scholar coffeehouse, where Dylan and other musicians sang, probably owned more blue jeans than sport coats. The Scholar was a University focal point in the late fifties and early sixties, during the transition from the beat generation to the counterculture movement of the hippies. Poets, philosophers, social activists, and musicians drank coffee and tea there and took a fervent interest in each other's endeavors.

There were no bars in Dinkytown in

At the Ski-U-Mah Barber Shop and Bath Room on Fourth Street students could enjoy a shave, haircut, and bath, and have their laundry sent out to be cleaned, too.

the fifties and sixties to compete with the Scholar for patrons or musicians. (The University Board of Regents passed an ordinance in the late 1880s that prohibited liquor establishments within one mile of the campus because they felt that the penchant for drink among the professors was beyond control. Sammy D's got the first liquor license in 1972 when the regulations were changed.)

When blues and folk musician Spider John Koerner was inducted, along with the other members of his trio, Dave Ray and Tony Glover, into the Minnesota Music Awards Hall of Fame in May 1985, he credited Dinkytown with nurturing their music.

The mood of the sixties was in the air at the Scholar, says Koerner, and musicians, writers, and others talked freely with one another about their work. "People wanted to hear what you were doing," says Koerner. And the young musicians got a lot of attention from the other customers, "which is why many of us played, I'm sure."

But apart from the music, and the political and social overtones of the heated discussions that took place over coffee, Koerner remembers the Scholar as a backdrop for a soap opera starring its patrons. "There was always somebody getting pregnant, getting thrown into jail, falling in love with somebody, breaking up with somebody, leaving town mysteriously and coming back. One damn thing after another.

"You've got to understand something," says Koerner. "Dinkytown is nothing like it was in 1960," when many students lived right above the stores and restaurants. Then it was "wood buildings and back alleys," he says. The second floor of apartments and rooms above the Scholar and Valli Pizza, and the "dirty grocery," where you could buy 3.2 beer, were filled with students socializing and playing guitars into the wee hours. The building and renovation that changed the face of Dinkytown began, says Koerner, with a confrontation between the Scholar coterie and the Dinkytown establishment (in the form of Bridgeman's) over the fate of Melvin McCosh's bookstore.

"Mel McCosh was Mr. Dinkytown," says Koerner. He sold old and rare books and was in the center of the Dinkytown intellectuals who gathered at the Scholar.

When Bridgeman's chose to exercise its legal right to expand into his store, McCosh's student friends staged a sit-in. They ordered single cups of coffee and took up counter space for hours. "Of course, it brought media attention," says Koerner. To make sure it did, one student even phoned a radio station from inside Bridgeman's while his friends listened to his conversation on a radio at the counter. Finally someone, apparently an employee, realized that negative publicity was being broadcast live to customers at the scene and cut the phone cord with a butcher knife.

McCosh eventually hauled his books to a new shop on the West Bank, and after the Scholar burned down in the late fifties and moved there as well, the musicians drifted across the river, too, to coffeehouses and bars. (When Koerner first played at the Triangle Bar, his stage was a sheet of plywood tossed on top of a pool table.) Though the folk and blues music circuit is now firmly entrenched on the West Bank, Koerner still remembers fondly the Scholar and the Dinkytown of an earlier era.

Music is not the only artistic endeavor to have flourished in Dinkytown. Writing and publishing interests began there, too. The Loft, a thousand-member writers' organization, was begun upstairs at Rusoff and Co. Booksellers in the seventies by a handful of writers and lovers of literature. The *Readers' Guide to Periodical Literature* is published in the Bronx, New York, by H.W. Wilson Co., which once stood near Fourteenth and University avenues.

New students replace graduates and new businesses spring up to serve them, but Dinkytown continues to thrive on the edge of the Minneapolis campus. Today a Pizza Hut does a brisk business where Koehler's Towing used to hold student cars for ransom. The old gentleman who hawked papers at the corner of Fourteenth Avenue and Fourth Street (even on freezing winter Saturday nights to sell the Sunday edition) is gone, too. Gone by the time *USA Today* came out, says a former customer, who now has to plug a machine with quarters if he wants to read the news.

Perhaps the story ends this way: It is 1985. You stand at the corner of Fourteenth and University avenues and see the gold and red maples sparkling in the autumn sunlight. You block out the sounds of the rushing traffic to hear, below you, imprisoned in the dark channels of the storm sewer, the gurgling Tuttle's Creek.

Amy Ward is a Lakeville, Minnesota, free-lance writer.

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REPORT TO INVESTORS

University of Minnesota
Annual Giving

1984-85

REACHING OUT

When the University called, 30,000 alumni answered and gave more than ever before — $2 million — during the past academic year

You've just finished dinner after a long tension-filled day. The project facing you at work is finally forgotten. The house is quiet. The phone rings. An engaging, buoyant voice says your name, making an obvious effort to pronounce it correctly.

A forgotten acquaintance? A neighbor you don't recognize because, between work and exercise, Little League, your mother's birthday dinner, and a thousand other things, you haven't had time to get to know the neighbors?

No, it's not a neighbor—at least not a geographic neighbor. It's not family, either—at least not your blood relations.

It is, in a way, a different family, a different neighbor. The friendly voice on the phone represents a part of you: the years you spent at the University.

Whether you remember those years as being happy, sad, hard, tough, scary, exhilarating, exciting, or something else, they were important. They must have been, because in response to that telephone call, you collectively gave $2 million to the University over the past academic year.

It is difficult—probably impossible—to measure the part of the University experience that stays with each alumnus. But its importance is demonstrated, directly and sincerely, through thousands of gifts from alumni all over the state and nation. Annual giving provides feedback about how well the University is doing its work; is an endorsement of the University's goals and ideals; and, of course, annual giving is support in deeds for what the University is doing.

Over the course of the 1984-85 academic year, University alumni responded generously and promptly to calls for monetary support. The Annual Giving Campaign reported record amounts of money pledged and numbers of alumni pledging, and alumni have been quicker than ever before to honor those pledges so that the gifts would be available as soon as possible over the academic year. That follow-through is important because those gifts translate directly into faculty support, student scholarships, graduate fellowships, library and equipment acquisitions, instructional aids, and other benefits, which every school, college, and program relies upon to realize its full potential.

Over the past year, donations surged ahead of the previous year's total by almost 20 percent; the number of donors rose by more than 5,000, an increase of more than 17 percent. These increases continue a long-term trend that has seen total annual giving more than double since 1980, both in dollars and in number of donors.

An important goal of the Annual Giving Campaign is communicating with University alumni to find out directly from them their concerns and feelings about their colleges or schools and about the University in general. To this end callers with Telepledge for Excellence at Minnesota (TEAM) attended a briefing by several volunteer alumni donors and leaders in fall 1984 to hear firsthand some opinions and feelings about the education and experience the University offers.

One man with both undergraduate and medical degrees said he was very grateful to the University because it gave him the chance for an interesting and varied career in ophthalmology, starting with work as a doctor serving a Civilian Conservation Corps camp in the 1930s.

"One thing that's been good for me," said another donor, "is that the University's been a lifelong experience—you start out with your degree program, and then you go on and get some other programs that you might need. My husband and I, both being graduates, have felt an obligation to the University for being there to provide us with the education to allow us to go out and grab our destiny, whatever it is." Her destiny, after she graduated from a two-year business program at Crookston, was a successful career with International Harvester, during which she continued her education through University extension courses in business, and later with courses in psychology.

"Whenever I talk to somebody about the value of a liberal arts education," said another speaker, a graduate in journalism

and American studies who now works in shopping-center development, "I use myself as the best example, because I was trained for two different things, in both undergraduate and graduate school, and have ended up in something that most people don't think a liberal arts education would prepare you for.

"I don't think I can ever give back to the University what it gave me, a small farmtown girl who ended up getting a very good education and some opportunities I don't think I could have gotten in any other place. It's probably the state's greatest resource."

"It's important for alumni to give not just of their time but out of their pockets," said a graduate of the School of Management, "because if we just depend on the state or the business community to support the University, we're not going to be an exceptional school."

Information from college officers enabled callers to answer alumni questions about current activities and issues at their colleges. On several occasions college officers talked directly with alumni, in some cases alumni they had known as students.

As the TEAM callers talked with thousands of alumni during the 1984-85 year, their impressions were summarized and forwarded to college administrators in brief reports.

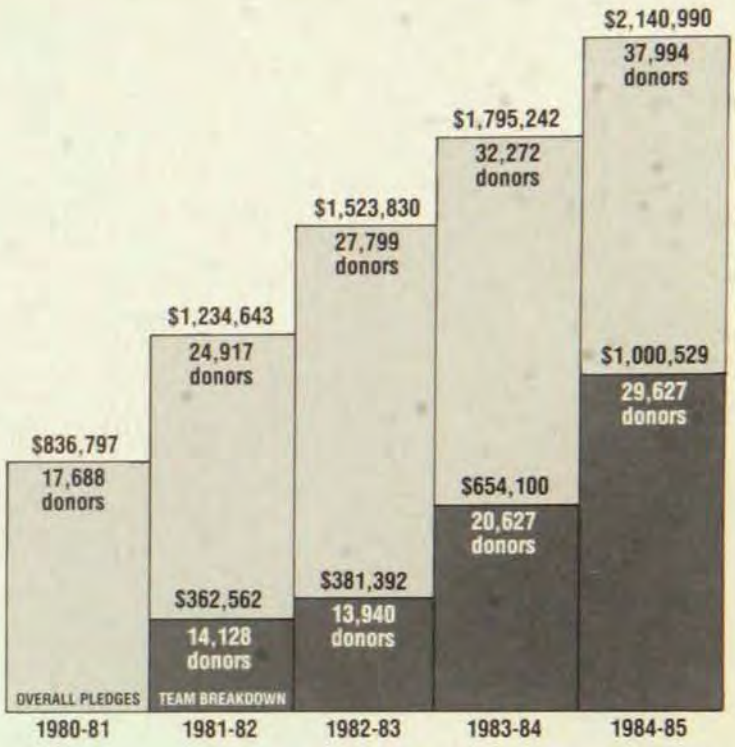
TEAM callers dialed some 212,000 times, reached approximately 75,000 alumni, and received pledges from just under 30,000 of those reached. That translates into more than $2 million that alumni pledged by phone for University schools, colleges, and programs, nearly $350,000 over last year's telephone total.

As important as money pledged is the percentage of pledges that are actually paid, and here, too, the University is unusually successful: 92 percent of the pledges are being paid, which annual giving officers say is unprecedented for such campaigns.

"Our goal is to reach as many alumni as we can with the message that the University is *their* University," says annual giving director Jeanne Bredholt. "It's an opportunity for alumni to express their concerns, as well as their support, for the institution where they spent a very significant part of their lives."

Judging from your generous and broad-based response, you are making yourselves heard. Your gifts represent a spirit of appreciation and concern for a place that is part of your roots, and will be a part of the lives of many others this year and for many years. Thanks to your support through annual gifts, the University is a better place and will continue to be a better place in the future.

ANNUAL GIVING



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University Art Museum
University Bands
Patty Berg Fund for Women's Intercollegiate Athletics
College of Biological Sciences
Continuing Education and Extension
University of Minnesota Technical College, Crookston
Dental Hygiene Program, School of Dentistry
School of Dentistry
University of Minnesota, Duluth
University of Minnesota, Duluth, North Star Fund
College of Education
College of Forestry
4-H Foundation
General College
Goldstein Gallery
College of Home Economics
Hubert H. Humphrey Institute of Public Affairs
Immigration History Research Center
School of Journalism
Law School
College of Liberal Arts
MacPhail Center for the Performing Arts
School of Management
Medical Technology Program, Medical School
Minnesota Fund
Minnesota Medical Foundation
University of Minnesota, Morris
Mortuary Science
School of Music
School of Nursing
Occupational Therapy Program, Medical School
College of Pharmacy
Physical Therapy Program, Medical School
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Furst McNess Co.
G. C. Student Board
G.E.M. Services
G. N. B. Batteries, Inc., Automotive Battery Div.
Alice Warren Gaarden Fund
Gabriel Foundation
Gallery Physical Therapy Centers, Inc.
Gamble-Robinson Company
Gamma Omicron Beta Alumnae Associates
Gambro, Inc.
Gamma Sigma Delta U. of M. Chapter
Gannett Foundation
Garon Knitting Mills
Gazda Moving Co.
Gelco Foundation
Gene Okerlund Associates, Inc.
Genentech, Inc.
General Host Corporation
General Dynamics
General Electric Foundation
General Electric Co.
General Foods, Birdseye Division
General Foods Corp.
General Mills Foundation
General Mills, Inc.
General Service Foundation
General Telephone & Electronics Corp.
Genstar Waste Technology Group
Ger Bes Enterprises
Gianaras Foundation
Gillette Co.
Glass Block Store
Glaxco, Inc.
Golden Valley Garden Club
Good Thunder-Lyra United Fund
Goodhue Canning Co.
Goodhue County National Bank
Goodyear Tire & Rubber Co.
Gopher Bearing Co.
Gordon Research Conferences
Gourmet Foods, Inc.
Government Training Service
Gown in Town Club
Grable Marketing Co.
Grace Foundation
Graco Foundation
Grain Terminal Foundation
Grand Rapids Performing Arts Council
Grand Rapids State Bank
Grandma's Saloon & Deli
Gray, Plant, Mooty, & Bennett Foundation
Great Lakes Chemical Corp.
Great Northern Iron
Grecc
Greek Orthodox Diocese St. Antonios Chapel
Green Giant Co.
Green Tree Acceptance, Inc.
Greenway Athletic Club
M. L. Griggs & M. G. Burke Foundation
Griggs Cooper & Co.
Alexander Grant and Co.
Grist Mill Co.
N. Bud & Alene Grossman Foundation
Group W Cable TV
GTE Sprint Comm Corp.
Gulf Oil Foundation
D. H. Gustafson Co.
Gustafson Family Foundation
Gustafson, Inc.
Gustavus Adolphus College
H.J.M. Sportsman's Association
Haggstrom Dairy
Jack Haines Co.
Elizabeth A. Hale Advisor Funds
Frank B. Hall & Co. of Minnesota, Inc.
Hallett Companies
Hamburg United Fund
Hamill & Associates, Inc.
Hanna Mining Co. Foundation
Harvey Hansen Edina West, Inc.
Hanser Family Foundation
Hanska United Fund
Hanson Ace Hardware
Si Hanson Insurance Agency
Harbor City Oil Co.
Harris Foundation
Hugh and Betty Harrison Fund
Hartzell Corporation
Hastings, Inc.
Hauglands
Haven Township Fund Drive
Hawkeye Rebounders, Inc.
Hawley Area United Fund
Hawthorne Elementary School

Haydak Research Fund
H. C. Hayer Co.
H. D. Hays Parking Co.
Health Safety and Toxicology, Inc.
Healthworks, Inc.
William R. Hearst Foundation
Hector Community Drive, Inc.
H. J. Heinz Co.
Heitman Financial Services Ltd.
Hellenic Post No 129
Hemerocallis Society of Minnesota
Henderson Township United Fund
Henkel Corporation
Hennepin Technical Center
Henning Community Fund
Hercules, Inc.
Hermantown Lumber Co.
Hershey Fund
Hewitt Associates
Hewlett Packard
D. C. Hey Co., Inc.
Hiawatha Cocker Spaniel Club
Hick's Construction Co., Inc.
Hills Pet Products, Inc.
Hillsboro Farms
Hiniker Company
Hitchcock Industries, Inc.
Hobart Sales
Hoffmann- La Roche Foundation
Holiday Inns, Inc.
Holloway Medical, Inc.
Holman Erection Co., Inc.
Homart Development Co.
Home Economics Board
Honeywell Foundation
Honeywell, Inc.
George A. Hormel & Co.
Horse Expo Tack Sale
Horticultural Research, Inc.
Hospital Corp. of America
Houdaille Ind, Inc.
Houghton Mifflin Co.
Howard University
Howe, Inc.
Hrk Trust- Baywood Corp.
Hubbard Broadcasting, Inc.
Hubbard Foundation
Hubbard Milling Co.
Laura & Walter Hudson Foundation
Hudson Rotary Club
Hughes Aircraft Co.
Hugos Piggly Wiggly Number Four
Humero-Human Resources Research Organization
Hvass, Weisman, & King
Earl Hvidsten Farms, Inc.
Hybritech, Inc.
Hyett Ramsland, Inc.
Hygeia Medical Group
I. C. I. Americas, Inc.
I. D. S. Financial Services, Inc.
I. T. T. Life Insurance Corp.
I. V. Lab
Friends of Immigration History Research Center
Immunogenetics, Inc.
Independent School Dist 535
Independent School District 279
Instant Web, Inc.
Independent Insurance Agents
Insty Prints
Intel Corp.
Inter-Regional Financial Group Inc. Foundation
International Agricultural Dev. Serv.
International Business Machines
International Clinical Research
International Mineral and Chemical Corp.
International Multifoods
International Multifood Charitable Foundation
International Paper Company
International Telephone & Telgraph
Internorth Foundation
Interpore International
Interstate Seed Co.
Investors Diversified Services
International Union United Auto Workers of America
Iowa Limestone Co.
Iris Society of Minnesota
Irrigators Association of Minnesota
Italian- American Club, Mpls
J. I. Industries
J. M. Foundation
Jack Frost, Inc.
Jack's Mobil Service
Jackson Feed Co., Inc.
Jackson United Fund
Jacobs Management Corp.
Jamar Company
Janesville State Bank
Jay En, Inc.
Jefferson Foundation
Jennie- O- Foods
M. Jensen Photography, Inc.
Wallace H. Jerome Foundation
John Deere and Co.
John Hancock Charitable Trust
Anna & Edna Jenks Trust
Lewis H. Johnson Family Foundation
J. R. Johnson Supply, Inc.
J/R Specialty Supply Company
Johnson & Johnson
Johnson and Scheiber
Johnson Bros Corp.
J. R. Johnson Supply, Inc.
Johnson-Mertz Appliance & TV
Johnson's Wax Fund
Jolly Fisher
Jostens
Jostens Foundation
J. W. Jung Seed Co.
Juvlie Farm
K-Best
KMSP Television
KSTP-AM, FM & TV
Kahler Corporation
Kal Kan Foods, Inc.
Kalo Agric. Chemicals
Sarah Kaminski Memorial Fund
Kanabec State Bank
Kappa Alpha Theta Alumnae Chapter of Mpls
Kappa Delta, Inc.
Karate North
Harry Kay Charitable Foundation
Kefalos, Inc.
M. W. Kellogg Co.
Kelm Foundation
Keltgen Seed Company
Kenwood Standard/Mt. Royal Standard
Key Pharmaceuticals, Inc.
Kidder Nursery
Kimberly- Clark Foundation
Kind Veterinary Clinic
Kiwanis Club of N. Suburban Mpls
Kleiman Realty
Klossner State Bank
G. W. Knabe & Associates
Knight Foundation
Knight Ridder Newspaper, Inc.
Knowlan's Super Markets, Inc.
Kolar Buick-Toyota, Inc.
Kolesar & Hartwell, Inc.
Korkki Travel, Inc.
Kraft, Inc.
Krelitz Industries
Kritzer Oil Company, Inc.
R. D. Labat & Associates, Inc.
Laboratory Medicine & Pathology
Labovitz Enterprises
Lady Gopher Golf Tournament
Lafayette Village United Fund, Inc.
Laird- Norton Foundation
Lake Aire Motel & Bottle Shop
Lake Minnetonka Garden Club
Lakehead Electric
Lakehead Oil Company
Lakeland Engineering Equip
Lakeside Packing Co.
Lakeville Lions Club
Lakewood Farms
Lamaur, Inc.
Land O. Lakes, Inc.
Landy Beef International
Larsen, Harvala and Berquist, Inc.
Larson, Allen, Weishair Co.
Last Chance Liquor
Laventhol & Horwath
Lear Siegler, Inc.
Lebovitz Fund
Legal Aid Society of Minneapolis
L. L. LeJeunne Company
Le Gros-Waddell Co.
Le Mire Sales, Inc.
Leo Burnett Compnay, Inc.
Leslie Paper Co.
Lester Park Garden Group
Le Sueur Cheese Co.
LeSueur Farmers Elevator
Lewer Auto Company
Bob Lewis Olds-Mazda
Lewiston Combined Charities
Lewiston Veterinary Clinic Ltd.
Liberty Diversified Industries Inc.
Eli Lilly & Co.
Eli Lilly & Co. Foundation
Richard Coyle Lilly Foundation
Charles A. Lindbergh Fund
Lindner Discount Liquor
Lions Multiple District 5 M.
Lisbon Community Fund
Liscombe-Hood-Mason Co.
Lisp Machine, Inc.
Litchfield United Drive
Litton Microwave Cooking
Livingston's Big Duluth
Lochland Shetland Sheepdog Club Inc. of Mn.
Loiselle Liquor Store
Long Island Womens Health Care Group
Lorenz Manufacturing Co.
Lundquist Brothers, Inc.
Lucky Horseshoe Saddle Club
Jim Lupient Oldsmobile Co.
Lutheran Brotherhood Employees
Lutheran Brotherhood Employees Credit Union
Edith H. Lynum Trust
M. G. C. S. A. Research Fund
M. S. I. Insurance
M. T. C., Inc.
M. T. S. Systems Corp.
MacDonald, Munger & Downs
Mac's Rentals & Sales
Machining Centers, Inc.
Madelia Community Chest
Madsen's Super Valu, Waseca
Magla Products
Magnuson Lakeside Pharmacy
Mail House, Inc.
Mailers Service
Main Hurdman Foundation
Main Hurdman & Cranstoun
The Main Restaurant and Cocktail Lounge
Mallinckrodt, Inc.
Malt- O- Meal Co.
Manley Investment Co.
Manitou Fund
Mapleton Community Chest
Marathon Oil Foundation
Marell, Inc.
Marigold Foods, Inc.
Marion Laboratories, Inc.
Mark Seven Sales Industries
John & Mary R. Markle Foundation
Marquette National Bank At University
Marsh & McLennan, Inc.
Marshall Hardware
Martin Marietta Corp.

Martin Williams Advertising
Marvin Lumber & Cedar Co.
Mas House
Maurices
McCall Publishing Co.
McCarthy- Duce Sales, Inc.
McCourtney Plastics
McDonnell Douglas Foundation
McGill Jensen, Inc.
McGladrey Hendrickson & Co.
Mcgladrey, Hendrickson, and Pullen
McGlynn Bakeries, Inc.
Mcgraw Edison Foundation
McGraw-Hill, Inc.
McKesson Foundation, Inc.
McKnight Foundation
McNeil Pharmaceutical
McQuay, Inc.
Meadowood Foundation
Med Venture, Inc.
Mediation & Conflict Resolution Project
Medical Arts Pharmacy
Medical College of Wisconsin
Medical Education and Research Assoc.
Medical Imaging North
Medical Research Council of Canada
Medical Research Foundation, Inc.
Medico Life Charity Pro Am
Medtronic Foundation
Medtronic, Inc.
Melrose Telephone Company
H. B. Mendoza, Inc.
Mens Garden Club of Mpls, Inc.
William M. Mercer, Inc.
Merck & Co., Inc.
Merck Co. Foundation
Merck Sharp & Dohme Research Laboratories
Mercury Travel Bureau, Inc.
Meredith Corp.
Merrell Dow Pharmaceuticals, Inc.
K. F. Merrill Company
Joyce Mertz Gilmore Foundation
Meshbesher Singer Spence Limited.
Messina-Zunich Realty
Methodist Hospital
Metropolitan Bank
Metropolitan Federal
Metropolitan Mosquito Control District
Phil Meyer, Inc.
Mid State Manufacturing Corp.
Mid America Dairymen, Inc.
Mid Coast Veterinary Medical Association
Midwest Association of Avian Veterinarians
Midwest Business Systems, Inc.
Midwest Communications, Inc.
Midwest Direct Marketing Association
Midwest Federal
Midwest Poultry Federation
Midwest Regional Hosta Society
Midwest Sign & Screen Printing Supplies
Mielke Electric
Miles Home
Miles Pharmaceuticals
Mill Farms Co.
Miller Hill State Bank
Mille Lacs Co. 4- H. Federation
Miller and Schroeder Municipals, Inc.
Rudolph & Gladys Miller Foundation
Miller Publishing Co.
Jerome Milton, Inc.
Minneapolis Athletic Club
Minneapolis District Dental Society
Minneapolis Foundation
Minneapolis Medical Research Foundation, Inc.
Minneapolis Minute Men
Minneapolis Star & Tribune
Minnegasco Emp Credit Union
Minnegasco, Inc.
Minnehaha Falls Nursery & Garden Stores
Minnesota A. F. L- C. I. O.
Minnesota Agricultural Instructors Association
Minnesota Alumni Association
Minnesota Annual Conference
Minnesota Arabian Horse Breeders, Inc.
Minnesota Association of Cooperatives
Minnesota Association of Periodontists
Minnesota Beef Council
Minnesota Berry Growers Association
Minnesota Boat Club Enterprises
Minnesota Cardiopulmonary Research Foundation
Minnesota Communications Corp.
Minnesota Conference On Social Work Educators
Minnesota Crop Improvement Association
Minnesota Dairy Promotion Council
Minnesota Department of Finance
Minnesota Dermatology Association
Minnesota District Six Quarter Horse Association
Minnesota Ecg Coding Fund
Minnesota Education Association
Minnesota Egg Promotion Council
Minnesota English Setter Club
Minnesota Equine Association Limited
Minnesota Farm Bureau Fed.
Minnesota Federal Savings & Loan
Minnesota Fruit & Vegetable Growers Association
Minnesota Future Farmers of America Foundation
Minnesota Golf Association
Minnesota Herb Society
Minnesota Historical Society
Minnesota Hobby Beekeepers Association
Minnesota Lamb and Wool Producers
Minnesota Landscape Arboretum Auxiliary
Minnesota Landscape Arboretum Foundation
Minnesota Limestone Producers Association
Minnesota Livestock Breeders Association
Minnesota Masonic Home
Minnesota Mining & Manufacturing Co.
Minnesota Mining & Manufacturing Foundation
Minnesota Neurology Associates
Minnesota Nurserymans Rsch Co.
Minnesota Nurserymens Association, Inc.
Minnesota Pony of the Americas Club
Minnesota Poultry Industries
Minnesota Power Co.
Minnesota Power & Light Co.
Minnesota Power Hockey Fans
Minnesota Quarter Horse Association
Minnesota Racetrack, Inc.
Minnesota Red River Valley Development Association
Minnesota Regional Health Association Foundation
Minnesota Rose Society
Minnesota Rubber Co. Foundation
Minnesota Senior Golf Association
Minnesota Society of American Foresters
Minnesota State Association of Life Underwriters, Inc.
Minnesota Title Foundation
Minnesota Toro, Inc.
Minnesota Tree, Inc.
Minnesota Turf Association
Minnesota Turkey Growers Association
Minnesota Twins, Inc.
Minnesota Valley Breeders
Minnesota Veterinary Medical Association
Minnesota Vikings Childrens Fund
Minnesota Wild Rice Council
Minnesota Women's Golf Association
Minnesota Wool Growers Association
Minnesota Zoological Society
Minnetonka Travel
Mister B's GTC
Mr. Pete's Corral
Mitre Corporation
Mobay Chemical Corp.
Mobil Foundation, Inc.
Mobil Oil Corp.
Molecular Genetics, Inc.
The Moline Co.
Monsanto Co.
Montana Dakota Utilities Foundation
Montevideo Area United Way
Monticello United Way
Mony Mutual
Moore McCormack Resources
Moorman Manufacturing Co.
Morgan Guaranty Trust
Mark Morris Associates
Morrison County United Way
Motel Country Club
Motorola Foundation
Mount Sinai Hospital
Mountain Lake Community Fund
W. E. Mowrey Company
Murphy Oil Corp.
Mutual of Omaha
My Bonnie Beauty Salon
NASW Minnesota Chapter
N. C. R. Foundation
NEMDA-Chuck Westin
N. W. National Life Insurance Co.
Nabisco Brands, Inc.
Naegele Outdoor Advertising Co.
Naeve Health Care Association
Nalco Chemical Co.
Nash Foundation
National Bank of Commerce—Superior
National Bank of Detroit
National Business Services, Inc.
National Car Rental
National City Bank
National Computer Systems
National Council of Architectural Registration
National Discount Credit Co.
National 4 H Council
National 4 H Dairy Conference
National Life Insurance Co.
National Presto Industries
National Purity Soap & Chemical Co.
National Rifle Association of America
National Society of Accountants for Cooperatives
National Steel Corp.
National Turkey Federation

Nationwide Insurance
Natural Y. Surgical Specialties, Inc.
Neurology Center
Neurosurgical Associates
New Auburn Township Combined Charities
New Avon United Fund
New England Mutual Life Insurance
New Hope Animal Hospital
New York Life Foundation
Newcomers' Club
Newmont Mining Corp.
News Tribune & Herald
Newsweek
Nicollet New Ulm Veterinary Clinic
Nisswa Bait & Tackle, Inc.
Noah Insurance Service
O. J. Noer Research Foundation
Nor Am Chemical Company
Norcostco, Inc.
Norden Laboratories, Inc.
Nordmanns Forbundet
Normania Township Rural Charities
Norske Torske Klubben, Inc.
Norstan, Inc.
North American Hunting Club, Inc.
North American Philips Corp.
North Central Cheese Industries Association
North Central Food Systems, Inc.
North Country Equipment, Inc.
North Dakota Department of Agriculture
North Dakota Beekeepers Association
North Shore Bank of Commerce
North Shore Veterinary Hospital
North Star Rose Society
North Star Steel Co.
North United Methodist Church
N. E. Ottertail County Community Fund
Northern Engine Supply
Northern Farm and Garden
Northern Life Insurance Co.
Northern Lights, Inc.
Northern Minnesota Bluegrass Growers Association
Northern Printery
Northern State Bank
Northern States Power Co.
Northern Telecom System Corporation
Northern Trust Company
Northland Aluminum Products
Northland Excavating
Northland Insurance Co.
Northland Merchandisers, Inc.
Northrup King Co.
Northwest Agri- Dealers Association
Northwest Bank of Faribault
Northwest Feed Association
Northwest Feed Manufacturing
Northwest Hardware Housewares Club
Northwest Orient
Northwestern Bell Telephone Co.
Northwestern Clinic
Northwestern Drug Co.
Northwestern National Life Insurance Co.
Northwestern University
Norwest Bank
Norwest Bank Midland
Norwest Bank Minneapolis
Norwest Bank Moorhead
Norwest Bank Rochester
Norwest Bank South St. Paul
Norwest Bank of St. Paul
Norwest Foundation
Norwich- Eaton Pharmaceuticals
O. E. A. Club of U. M. S.
O'Connor & Hannan
O'Connor Brothers State Bank
Oberg Pharmacy
Odegard Books
Ronald Offutt & Son Co.
Ogleby Norton Foundation
Oglevee Associates, Inc.
Ohio National Life Insurance
Old Dutch Foods, Inc.
Old Home Foods, Inc.
Old Norwest Company
Olivia Canning Co.
Olmsted County Deputy Sheriffs Association
Olmsted County 4 H Leaders Council
Olson Brothers Pharmacy
Omak Okanogan County Chronicle
On Cable Publications, Inc.
Onan Family Foundation
One Fund Barron County
One Price Inns of America
Operations Management, Inc.
Ophthalmology Pa
Optical Marketing, Inc.
Organon, Inc.
Orr High School
Ortho Pharmaceutical Corp.
Oscar Roberts Concrete Products
Otis-Magie-Gustafson Agency
Otisco State Bank
Otter Tail Power Co.
Otto Packaging, Inc.
Otto Pharmaceutical Corp.
Overman Charitable Trust
Owens Forest Products
Owatonna Canning Co.
Owatonna Tool Co.
P. B. I. Gordon Corp.
PCA of Buffalo
PCA of Fairmont
PCA of Faribault
PCA of Mankato
PCA of River Falls
P. K. M. Electric Cooperative, Inc.
P. O. L. K. of A.
P. P. G. Industries Foundation
P. Q. Corporation
Pacific Foundation
Padilla & Speer
Pantour Travel Agency
Papa Chips
Friends of Lou Papan
Paquin Farms, Inc.
Park Nicollet Medical Ctr.
Park Nicollet Medical Foundation
Park State Bank
Ralph M. Parsons Co.
Patterson Dental Company
George Wm. Patton & Mary Burnham Patton Foundation
Payco Seeds, Inc.
Paynesville Township Charity Fund
Pearson Florists, Inc.
Peat, Marwick, Mitchell Foundation
Peavey Grain Co.
Peerless Chain Co.
Pelican Rapids United Fund
J. C. Penney Co.
Pennwalt Corp.
Pentair Industries, Inc.
People in Business Care
Peoples State Bank
Peoples State Bank of Warren
Pepsi Cola Bottling Co.
Perfection Dental Lab, Inc.
Perham State Bank
Perkins Cake & Steak East
Perpich Volunteer Committee
Pester Transport, Inc.
Peterson Biddick Co.
Peterson Turkey Hatchery, Inc.
Petroleum Research Fund of the Amer Chem Soc
Pfizer Foundation, Inc.
Pfizer, Inc.
Pharmacia, Inc.
Pharmacia A. B.
Phi Upsilon Omicron
Philip Morris, Inc.
Phillips Foundation
Phillips Petroleum Foundation
Pickwick Restaurant
Piedmont Big Dollar
Pillsbury Company
Pillsbury Company Foundation
Pine & Mundale, Inc.
Pine County Agricultural Extension Service
Pioneer Hi Bred International, Inc.
Pioneer Rim and Wheel Co.
Piper Jaffray & Hopwood, Inc.
Piper Jaffray and Hopwood Founder Advisor Fund
Pipestone Veterinary Clinic
Pitman Moore, Inc.
Plaza IGA
Pleasant Mound United Fund
Polaris Industries, Inc.
Pope County State Bank
Popham Haik, Et. Al.
Potash & Phosphate Institute
Potash Corporation of Saskatchewan
Potlatch Corp.
Poultry Breeders of America
Prescott Township Community Fund
Preston Township Community Chest
Price Waterhouse Foundation
Princeton United Fund
Procter & Gamble Co.
Procter & Gamble Fund
Proctor Big Dollar
Production Credit Association of Blooming Prairie
Production Credit Association
Professional Color Service, Inc.
Progressive Slovene Women of America
Charles E. Proshek Foundation
Provident Mutual Life Insurance
Prudential Foundation
Prudential Life Insurance
Psychiatry Associates
Psychological Services Association
Fred Ptashne Co.
Public School Incentives
Purup North America, Inc.
Quaker Oats Co.
Quality Life Styles, Inc.
R. J. Reynolds Industries
R. J. Sport & Cycle
R. R. Donnelley & Sons Co.
Radisson Duluth Hotel
Rahr Foundation
Ralston Purina Co.
Ramsey County 4H Club
Ramsey County Medical Society Auxiliary
Ramsland & Vigen, Inc.
Raphael Oreck Foundation
Gerald Rauenhorst Family Foundation
Ray's Family Shoes
Raychem Corporation
Reach- All, Duluth
Readers Digest Foundation, Inc.
Red Power International, Inc.
Red Wing Shoe Co. Foundation
Redwood Falls Nursery
Reed Lignin, Inc.
Reed Stenhouse, Inc.
Sheldon F. Reese Foundation
James A. Regas & Associates
Regis Foundation
Reliance Electric Co.
Renstrom Dental Studio
Renville United Appeal
Republic Airlines
Requa Manufacturing Co., Inc.
Research, Inc.

Research Seeds, Inc.
Research Unit Psychiatry Dept.
Reserve Mining Co.
Rettinger Bros Oil Co.
Revlon Health Care Group
Rheiderland Community Fund Dr
Rhone Poulenc, Inc.
Richland Co-op Service
Richardson Foundation
Richmond Turkey Farm
Riker Laboratories, Inc.
Ringer Corporation
John Risdall & Associates
Ritz Foundation
Riverdale Lasalle United Fund
Margaret Rivers Fund
Road Machinery & Supplies Co.
A. H. Robbins Co., Inc.
Robert Half of Minnesota, Inc.
Robertson Brothers Farm
Robinson Business Forms, Inc.
Rochester Cheese Sales, Inc.
Rochester Police Benevolent Association
Rochester Post Bulletin
Rock Co. Rural & Village Charities
Rockefeller Foundation
Rockwell International
Roerig Pfizer
Rohlfing, Inc.
Rohm and Haas Company
William H. Rorer, Inc.
Rosehill Township
Rosemount, Inc.
Roseville Properties
Hulda B. and Maurice L. Rothschild Foundation
Rushford Community Chest
John Ryan & Co.
Ryan Foundation
S. A. F. the Center for Commercial Floriculture
S. C. Corporation
S. D. S. Biotech Corporation
S.I.C.O., Inc.
S & J Goldfine Furniture
SKW Corp, SKW Trotsberg Ag
S. R. O. Productions, Inc.
Russell Sabor Foundation
Sacred Heart Township Fund Drive
Sacred Heart Village Chest
St. Albans Episcopal Church
St. Cloud Eye Clinic
St. Croix Foundation
St. George Properties
St. Germaines
St. Hilaire Co-Op Elevators
St. James Community Fund, Inc.
St. Jude Medical, Inc.
St. Louis County Federal Savings & Loan
St. Louis Park Medical Center
St. Lukes Hospital
Saint Paul Brass Foundry Company
St. Paul Companies
St. Paul Dispatch-Pioneer Press
St. Paul Foundation
St. Paul Fire & Marine Insurance Co.
St. Paul Garden Club
St. Paul Minuteman
St. Paul Model Radio Controllers Club, Inc.
St. Paul Union Stockyards
Salem Lutheran Church Women
Salkin Foundation
J. E. Salsbury Foundation
San Francisco Township Community Drive
Sandoz, Inc.
Santerre Service, Inc.
Sargent Management Co.
Scan Mark Trading, Inc.
Schaak Electronics
Scherer Brothers Lumber Co.
Schering Corporation
Schlumberger Foundation
Carl and Verna Schmidt Foundation
Schott Foundation
Schrader Drug Shop
Schreier, Heimer, Kosbab & Co.
Schuett Investment Co.
Schumacher Farms
Schwans Sales Enterprises
Schwickert, Inc.
Scientific Computers, Inc.
Scott- Johnston Agency
Scottish Rite Foundation of Minneapolis
Scripps- Howard Foundation
Searle Pharmaceuticals, Inc.
Security State Bank
Security Storage Co.
Seneca Foods Corporation
Shaklee Corporation
Shakopee Friendship Manor
Sharon United Drive
Sheep Awards & Ribbons
Shekinah Lodge No 171
Sheldahl, Inc.
Shell Co. Foundation, Inc.
Shell Development Company
Shenandoah Pharmacy
Sherburn Community Chest
Shykes, Cecil Sanitary Service
Sieger Architects
Siemens Medical Systems, Inc.
Sigco Research, Inc.
Signal Hills Company
Signal Hills State Bank
Silver Creek United Fund
Sire Power
L. J. & Mary C. Skaggs Foundation
Skyline Lanes & Lounge
Slawik Foundation
Smith International, Inc.
Smith, Kline Corp.
Smith, Kline & French Laboratories
Smith, Kline, Beckman Corp.
Smith, Kline Foundation
Snake River Chemicals, Inc.
Snow White Foods Store
Snyder Drug Stores—Piedmont & Downtown
Society Kalavryta Agia Lavra
Soltex Polymer Corp.
Sonju Leasing Co.
Sons of Italy Foundation
Soo Line Railroad Co.
Source Technology Biologicals, Inc.
South Haven- Southside United Charity Assn.
Southern Comfort Corp.
Southern Illinois University Foundation
Southern Minnesota Sugar Cooperative
Southgate Bowl of Cloquet
Sparboe Summit Farms, Inc.
Robert S. Spencer Memorial Foundation
Spenningsby Eye Clinic
Sperry Corp. Foundation
Sperry Corporation
Spring Valley Twnship United Drive
Spring Valley United Fund
Springfield United Fund, Inc.
E. R. Squibb & Sons, Inc.
Staffplus
Stageberg Partners
Stan Clothier Co., Inc.
Standard Oil Company
Starbuck United Fund, Inc.
State Bank of Cyrus
State Bank of Danvers
State Bank of Eden Valley
State Bank of Faribault
State Bank of Lake Elmo
State Bank of Richmond
State Bank of Rogers
State of Maryland Treasurers Office
State of Minnesota House Of Representatives
State of Minnesota
Stauffer Chemical Co.
Stearns Manufacturing Co.
Steele County United Way
Steiger Tractor, Inc.
Stenshoel Funeral Home
Sterling Winthrop Res. Inst.
Stewart-Taylor Printing
Stewart's Wheel Goods, Inc.
Walter C. Stillwell Foundation
Stockholm Community Chest, Inc.
Straub Foundation
Stray Voltage Research Council
Stuart Pharmaceuticals
Student Loan Marketing Association
Stuurmans & Karan P. A.
Suburban Dental Studio
Paul Suda Farms
Sugarbeet Research
Sulphur Institute
Summit Investment Corp.
Summit Medical Group P. A.
Sun Co., Inc.
Suncoast Chapter
Sundstrand Corp. Foundation
Sundstrand Hydro-Transmission
Suomi College
Super Value Profit Builders Club
Super Valu Stores, Inc.
Superior Dairy Fresh Milk Co.
Superior Fiber Products, Inc.
Supersweet Feed
Superwood Corporation
Surgidev Corp.
Swanson Youngdale, Inc.
Swanson Brouse & Ostlie
Charles & Margaret Sweatt Family Foundation
Swift & Co., Inc.
Swift County 4 H Federation
Swiss Colony & London Road Liquors
Syntex, Inc.
T. R. W. Foundation
T. S. C. Industries
T. S. I., Inc.
Tambrands, Inc.
Tandy Corp.
Tanick & Heins
Target Stores
Taunton State Bank
Tax Sheltered Compensation, Inc.
Taylor, Knuson & Lum
Tektronix Foundation
Teledyne Charitable Trust Foundation
Tennant Co. Foundation
Tennant Co., Inc.
Tennessee Eastman Company
Terak Corp.
Terra Chemicals International, Inc.
Texas Instruments, Inc.
Texasgulf, Inc.
Textron Charitable Trust
Thermo King Sales & Service
Thieme Stratton, Inc.
James R. Thorpe Foundation
3 H Industries
Three Lakes United Way
Thunderbird Motel
Tilney Farms
Times Bar & Cafe
Toro Co.
Toro Co. Founder-Advisor Fund of Minneapolis Foundation
Touche Ross & Co.
Town & Country Foods
Trade Press
Trane Co. Foundation
Travel Limited, Inc.

Travelers Insurance Co.
Travelogue, Inc.
Travenol Laboratories, Inc.
Tri State Breeders Coop
Tri State Insurance Company of Minnesota
Tribune Printing Co.
Trieschmann Foundation
Trimont Untied Fund, Inc.
Trophy House
Tru-Part Manufacturing Corp.
Tuffys Pet Foods
Turks Kom On Inn
Alice Tweed Tuohy Foundation
Turbodyne Corp.
Basil S. Turner Foundation
Twenty First Century Genetics
Twenty First Century Marketing, Inc.
Twin Cities Miniature Schnauzer Club
Twin City Administrators, Inc.
Twin City Federal
Twin City Nursery, Inc.
Twin City Poodle Club
Twin City Sickle Cell Cooperation
Twin City Wholesale Drug Co.
Twin Ports Opticians
Twincom, Inc.
U. F. E. Thermo- Plastic Technology
U. O. P. Foundation
U. S. Communications Corp.
U. S. G. Corporation
Ukranian National Association, Inc.
Undersea Medical Society
Union Bank
Union Carbide Corp.
Union Carbide Field Development
Union Oil Co. of Cal Foundation
Union Pacific Corp.
Uniroyal Chemical Co.
Uniroyal, Inc.
United Agri Products
United Appeal Ortonville Township
United Banks of Colorado, Inc.
United Electric Corporation
United Foods, Inc.
United Fund, Inc.
United Fund, Inc-Nelson Township
United Fund of Detroit Lakes, Inc.
United Fund—Glencoe Area
United Fund of Le Center
United Fund of Mahnomen County
United Fund of Pine Island
United Fund of Princeton
United Fund of Sterling Township
United Fund of Waterville
United General Constructors
United Parcel Service
United States Borax & Chemical Corp.
United States Fidelity and Guaranty Co.
United States Golf Association Green Section
United States Steel Foundation
United States Treasury
United Technologies
United Telephone of Florida
United Transportation Union
United Truck Body
United Way of Faribault, Inc.
United Way of Hastings
United Way of LeSueur, Inc.
United Way of Red Wing
United Way of St. Peter, Inc.
United Way of Steele County
United Way of West Newton
United Way of Willmar, Inc.
Universal Cooperatives, Inc.
University Anesthesiologists
University Cooperatives, Inc.
University Food 'n Fuel
University of Health Science
University of Alaska
University of Minnesota
U of M Alumni Club Of Washington D. C.
University of Minnesota Faculty Women
University of Minnesota Mechanical Engineering Dept.
University of Minnesota School Of Management
University of Minnesota Student Organization Finance
University of Minnesota Womens Club Gr Detroit
University of Minnesota Retirees Housing Corp., Inc.
University of Nebraska
University of Saskatchewan
University of Vermont & State Ag College
University of Wisconsin
University Rehabilitation Medicine Assn.
University Womens Health Physicians
Upjohn Co.
Upper Lakes Foods, Inc.
Upper Midwest Industries, Inc.
V. F. W. Post 1902
V. F. W. Post 1642
Valspar Foundation
Van Hoven Co., Inc.
Vaughns, Inc.
Velsicol Chemical Company
Vergas State Bank
Ver Hoef Chevrolet, Inc.
Kraus Hartig V.F.W. Auxiliary 6587
Vigorena Feeds
Viking Motel
Viro- Med Laboratories, Inc.
Vogel Farms, Inc.
Vonheim Lodge No 108
Voyageur Bus Co.
WCCO AM/FM/TV
WEBC Radio
W. Walker Fund, Inc.
Wadena Alumni Chapter
Wagner Spray Tech Corp.
Walker Chapter No 259 O. E. S.
Archie D. & Bertha H. Walker Foundation
Warner Holding Co.
Warner Lambert Co.
Lee & Rose Warner Foundation
Warren A. Trust U. W. Char Rem
Waseca Auto Body
Waseca Clinic Limited
Waseca County News
Waseca Rotary Club
Wasie Foundation
Watkins, Inc.
W. Watkins Trust
Watonwan County Bankers Association
Watonwan Farm Service Co.
Wausau Insurance Co.
Waverly United Fund
Wayzata Independent School District 284
Webb Company
Weis Development Corporation
Wellcome Animal Health, Inc.
Wendy's—London Road
Western Eye Institute
Western Geophysical
Western National Bank
Western Petroleum Co.
Western Saddle Clubs Association
Westinghouse Educational Foundation
Westminster Presbyterian Church
Westmoreland Larson & Hill
West Publishing Employees
Whirlpool Foundation
Irene Hixon Whitney Family Fund
Whitney Lodge Number 229
M. J. Widdes, Inc.
Phillip & Sarah Wilensky Family Foundation
Wilkin County 4 H Leaders Council
Williams Welding Supply
Willie's Automatic Transmission Service
Willmar Poultry Co., Inc.
C. Z. Wilson Co.
Wilson Learning Corp.
Windom State Bank
Winegar, Inc.
Winnebago United Fund
Wisconsin Electric Power Co. System
Woman's Club of Minneapolis
Womens Economic Development Corp.
Wood Fiber Employees Joint Legislative Cncl
Woodland Township Community Chest
Worthington Area United Way
Wrightco, Inc.
Wyeth Laboratories
Xerox Foundation
Young America Corp.
Arthur Young and Co.
Arthur Young Foundation
Young Motors, Inc.
Your Majesty Valet
Zenith Spring Company
Zierke Farms
Ziegler, Inc.
Zinpro Corp.
Zoecon Corporation
Zoecon Industries

Battle of the Budget Ends

When at last *sine die* was uttered and the special session of the Minnesota State Legislature finally ended, the University of Minnesota was granted a direct state appropriation of $704.8 million and total spending authority of $943.8 million for the 1985-87 biennium. The increase in spending authority is $106 million over the current level.

"For a while there was almost a poker game going on about who could give the most money back to the folks," said Vice President Stanley Kegler afterwards. "In light of that, we were pretty fortunate to receive a 17 or 18 percent increase."

The appropriations bill calls for the release of the Permanent University Fund to create endowed chairs, a waiver of graduate tuition for graduate assistants in the second year of the biennium, a much-improved, indirect cost-recovery calculation, funding of the supercomputer institute and a new human genetics program, and full funding for women's intercollegiate athletics on all campuses.

Release of the Permanent University Fund of $56 million enables the University to use the fund and the interest generated from it to establish endowed chairs. Matching funds will be sought from the public, and the endowed chairs established to award outstanding faculty with monies above and beyond their salaries.

Salary increases for faculty and staff were funded at 3 percent for the first year of the biennium and 4 percent for the second. For faculty, the bill provides an added 1.5 percent a year to restore purchasing power and $4.2 million, or about 1 percent more, for market and retention increases. Although funding for civil service salary increases during 1985-86 was set at 3 percent, the exact rate depends on the outcome of contract negotiations with state employees.

The bill also includes $8 million in a Focus Fund, intended to help University President Kenneth H. Keller achieve his plans for focusing the mission and improving the quality of the University. The legislature passed this fund anticipating that undergraduate enrollments will decline, as Keller's plan envisions.

A $73.6 million bonding bill for buildings and other capital improvements at the University is also included in the legislation. The electrical engineering and computer science building received full funding, and money was awarded for remodeling the microbiology and public health facilities.

In related budgetary action, regents voted to hold 1985-86 tuition increases to 5.5 percent.

A typical undergraduate liberal arts student on the Twin Cities campus who paid $422.44 in tuition for twelve credits per quarter this year will pay $466.80 per quarter next year. Tuition varies from school to school and is higher at the graduate level. For a student in veterinary medicine, tuition would increase from about $1,299 per quarter this year to about $1,371 next year.

Regents rejected Keller's proposal for a 5.5 percent overall tuition increase that would have been unevenly distributed among colleges. Under that plan, tuition in some colleges would have increased as much as 8 percent or as little as 3 percent. Keller's plan was a step toward equalizing the amount of educational costs that students pay. Regents, however, approved the across-the-board plan 7 to 5.

Some of the disappointments in the appropriations bill include no additional money for the University's instructional budget, equipment, instructional computing, or operating funds for new buildings.

Of the approximately $38 million increase in general operations and maintenance income, $10.4 million is not earmarked for specific programs, salaries, and/or other purposes. That "flexible" amount will be used to offset costs of holding tuition increases to 5.5 percent and of instructional computers and other program expenses, student recruitment, and library acquisitions. That leaves about $900,000 for covering fuel and utilities price increases, operating new buildings, and adjusting salaries through a comparable-worth program. Those expenses are expected to total about $4 million.

As a result, the University's general operations and maintenance budget will show a $2.6 million deficit during the first year of the 1985-87 biennium. Reserves are expected to cover short-term deficits, and administrators hope that more flexibility in the budget during the second year will allow them to make up the shortfall.

IN BRIEF

International Business Machines Corp. has awarded the University about $7.5 million in computer equipment and software to develop and test microcomputer technology in teaching and research over a three-year period. Project Woksape (a Dakota Indian word that means *learning*) is designed to give students more access to and experience with computers.

"Our focus is the new, the innovative, the creative use of workstation technology to support the University's most fundamental activities," says University President Kenneth H. Keller. "We expect that the impact of this program will be felt for years to come as faculty and students implement and refine the developments that occur as part of the project."

Program proposals range from foreign-language instruction to a stochastic modeling laboratory to farm management.

John S. Najarian, professor and chair of surgery, has been named a Regents' Professor, the highest honor the University gives its faculty members. Najarian, who is credited with making the University an international leader in organ transplantation, will receive an annual $5,000 stipend as long as he remains on the faculty. His appointment brings the number of Regents' Professors to 43.

Robert Kane assumed the position of dean of the School of Public Health in August. He had been professor in residence in the schools of medicine and public health at the University of California-Los Angeles and senior researcher at the Rand Corp.

O'Neill Sanford, director of the University of Minnesota Marching Band, resigned to become director of bands at the University of Pittsburgh. Frank Bencriscutto is acting as interim director until Sanford's replacement is named.

The University received the $7 million estate of Lucky B. Waller, '26, and his wife, Dora. It is one of the largest private donations ever made to the University. The gift will fund $150,000 in scholarships, graduate assistant positions, and graduate programs, primarily for high-ability students, for the Colleges of Liberal Arts and Home Economics. The estate, given to the University when Dora Waller died in 1982, consists mostly of California land. Income from the sale of land became available to the two colleges in July. Vice president of Bekins Van and Storage, Lucky Waller was also a citrus rancher, real estate broker, bond underwriter, and community leader.

MANAGEMENT AND PUBLIC AFFAIRS

Another West Bank Co-op

The newest addition to the Twin Cities' campus will be completed this fall, ahead of schedule. The $18 million, four-story complex—as yet unnamed—will house the Hubert H. Humphrey Institute of Public Affairs, the School of Management, and the Center for Urban and Regional Affairs.

Located on Washington Avenue on the West Bank across from the Law School, the almost 103,000-square-foot complex includes research and faculty offices, a library, laboratories, conference centers, lecture halls, a dining area, and a memorial exhibition hall honoring Senator Hubert H. Humphrey, in which Humphrey memorabilia will be displayed.

The building is a cooperative venture of the School of Management and the Humphrey Institute, whose separate funding requests to the state legislature were combined in a 1980 bonding bill.

The School of Management portion of the new building will house the placement office, undergraduate and graduate studies offices, the Executive Development Center, the management science department main office, the Management Information Systems Research Center, and the Operations Management Center. The student commons, office of the dean, the management science department, and the offices of teaching associates and assistants will continue to be located on the remodeled first three floors of the Management and Economics Tower.

The School of Management requested more space for three primary reasons, says school administrator Jean Byrne. It needed additional faculty rooms to meet accreditation standards, conference rooms so it could bring the business community to the school, and more student meeting rooms.

The Humphrey Institute had similar problems. Originally located in an office in the Social Sciences Building, it outgrew its space and spread to offices at other University locations and to office buildings in St. Paul. "We were bursting at our seams," says Vivian Jenkins Nelsen, administrative director at the institute.

The new building was designed to be flexible enough to offer both the School of Management and the Humphrey Institute room for growth. The building's design and its spirit as a memorial to the late Minnesota statesman promise both academic and humanistic development.

Courtesy Leonard Parker Associates

The Hubert H. Humphrey Institute of Public Affairs, the School of Management, and the Center for Urban and Regional Affairs will share space in this new West Bank complex. The building will also include a memorial exhibition hall honoring Hubert H. Humphrey.

AGRICULTURE

Not Just for Farming Anymore

The announcement of a $1,000 scholarship posted on a cluttered bulletin board caught the attention of high school senior Jeff Sorvik. An honors student, he planned to study communications in college, specializing in technical writing in high technology areas. But what really sold him on applying for this scholarship, says Sorvik, was the letterhead: the announcement came from the University of Minnesota College of Agriculture.

Although raised in the metropolitan suburb of Bloomington, Minnesota, Sorvik had enjoyed working on his uncle's farm, and his parents' agricultural backgrounds had been a strong influence on his upbringing. With the scholarship opportunity, he realized he could combine his agricultural interests with his technical writing skills.

Sorvik, now a college junior, is one of 76 students who have received scholarships through the Agricultural Merit Scholars Program at the University. An estimated 35 students have received such scholarships for the 1985-86 school year.

Created in 1983 with a $150,000 endowment from the Harry Kay Foundation, the scholarship program helps recruit students who demonstrate "outstanding academic performance and leadership" by offering them $1,000 to $3,000 scholarships. Funds to continue the program come from foundations, organizations, and corporate and individual contributors, who give from $50 to $150,000 to sponsor students through the program.

Declining student enrollments have affected the College of Agriculture perhaps more than other academic areas. After a surge of interest in environmental and agricultural issues in the 1970s, high-ability students tended to abandon agriculture in favor of high-tech studies in computer science and management, creating a "brain drain" in agriculture.

That trend, however, may be changing through the college's stepped-up recruitment of high-ability students and its opportunities for agriculture graduates.

Countering the perception that agriculture is "low tech" and "just farming," Associate Dean Keith Wharton says that "only 7 percent of those majoring in agriculture will become involved in production agriculture, or farming." Most

graduates, he says, will go into areas such as marketing, genetic science, chemical development or manufacturing, human nutrition, and agribusiness.

Students like Sorvik, for instance, choose the College of Agriculture because they can get training specifically focused on the technical aspects of international agribusiness marketing, agricultural economics, or communications. Sorvik's agricultural training, says Wharton, may give him an edge over other agricultural journalists by providing a more detailed agricultural background.

An anonymous contributor has given $50,000 toward a challenge fund for the Agricultural Merit Scholarship Program, with the provision that the fund be matched by $150,000 by December 1986. Already $80,000 has been raised, and Matilda Rupp, associate development officer for the College of Agriculture, is optimistic that the total will be reached by the deadline. Interest from this newly created endowment fund will be used to expand the merit scholars program.

FORESTRY

Cloquet Center Sees Trees *and* Forest

For 75 years, researchers at the Cloquet Forestry Center have been working to create the ideal forest.

Early research concentrated on regenerating growth, which foresters did by introducing different seed varieties and exercising greater control of species and spacing.

Forest regeneration continues to be the focus of the forestry station and center, located twenty miles west of Duluth. But today's search for the ideal forest has researchers delving into wildlife studies, as well as attempting to find alternative forest crops—all in an effort, as researchers say, to "maximize the use of forest resources."

Studies of the forest industry's influence on ruffed grouse, for instance, have found that forestry has a positive impact on the grouse population by providing required amounts of food and nesting habitats for the bird. According to Scott Reed, extension forest resources specialist, this research has resulted in forestry guidelines widely used in the eastern United States.

Hoping to find alternative forest crops, researchers have turned to studies of the shiitake mushroom, a recent Japanese import, that has shown great potential for the forest industry. Says Reed, "We hope this will provide an economic boon to forest landowners in Minnesota."

The mushroom, available in a few food stores and in finer restaurants, is grown in controlled-environment greenhouses in the Southeast Minnesota Forest Resource Center in Lanesboro, and in the North Central Experiment Station in Grand Rapids, Minnesota. There researchers are growing different strains of mushrooms with different species of trees to find a combination with commercial potential, says Joe Beden, director of the Lanesboro center.

Potential growers have been very interested in this research, and in the last two years more than 4,000 people have attended seminars and workshops on shiitake growing. To keep up a steady flow of news on research developments, the center is even publishing the *Shiitake News* newsletter.

Saved by some quirk of nature from the disastrous 1918 Cloquet fire, the center owns timber and other ecosystems that are 20 to 25 years ahead of those on adjacent lands. This difference provides excellent research opportunities for regeneration, as well as other experiments.

The center's location was determined in the late 1890s, when Samuel Green, founder and head of the University's first forestry school, advocated the establishment of a forestry field station in the northeastern part of the state, in the vicinity of an important lumber-milling center. The forestry industry in the area was interested and supported the idea of a school forest. In 1909 wood products businesses helped bring about the necessary legislation and funding that permitted the University to buy some 2,000 acres of unallotted Indian land for $1.25 per acre. Through purchases and gifts, the original purchase has since increased to the present 3,720 acres.

A close relationship with industry continues in the center's 75th year. The center organizes workshops, seminars, and equipment demonstrations, and invites professionals—employees and owners of sawmills, foresters, loggers, and owners of private forest land—to attend them. "We owe it to the profession to extend the results to them," Reed says.

The relationship with the center has been valuable, agrees Richard Schantz Hansen, chair of the Cloquet Advisory Board and chief operating forester of the Potlatch Corp., a large forest products company in the area. "We feel free to call upon them for advice on problems we have managing our land," he says. "It's a very important facility for the forest industry in Minnesota."

The center's high standing with the industry might be due to its 75-year presence. A more likely reason is that industry officials respect foresters who are learning their field the best way possible: by living in it. Says Reed, "One of the advantages we have is that we can go right out into the forest and view the results."

NURSING

A Gift from Beatrice Witt

In 1929, when Beatrice L. Witt was an undergraduate in the School of Nursing, she paid $1 a credit. She didn't have much free time, spending two hours a day on a streetcar just to get to school and working as a telephone operator to pay for tuition. When she was through with work around 10 p.m., she had to do her homework—sometimes until 2 in the morning.

Witt, who earned a bachelor's degree in public health nursing, hopes to ease the financial burden on some of today's nursing students and has donated $50,000 to the school. Interest earned from the gift will be made available as scholarships to graduate students in nursing.

"As long as I had money I didn't need to spend on myself, I thought I should give it to somebody who was struggling," says Witt from her home in Austin, Minnesota, where she has lived and worked most of her life.

Public health nursing has always been Witt's main interest. She recalls that during her early years of nursing a school nurse was like a counselor to children and their families. She taught parents about health care and how to avoid the then-flourishing contagious diseases. Now, Witt says, "education is so much broader, deeper, and efficient than then."

During the Depression Witt worked at the newly established State Services for Crippled Children in St. Paul. Three other nurses were employed in the same program, each responsible for serving part of

the state. They had to go to every doctor in their area and explain the new program services, and do advertising and counseling. "To me, that was real nursing," she says.

The students who will receive part of Witt's endowment fund haven't been chosen yet. But, corresponding with her wish, they will be graduate students. Witt decided to reserve the money for this group because few scholarships are available to them, according to Mark Davy, director of development at the nursing school.

BIOLOGICAL SCIENCES

Biology 1009: Direct from the Laser to You

Laser discs will enter University classes on a large scale for the first time this fall when General Biology 1009 instructors, who teach 3,600 students annually, use two laser discs made by Video Discovery to visually enrich the class.

The laser discs are cheaper, more efficient, and easier to preview than slides, says Professor Richard Peiffer, project leader.

One of the discs, titled Bio Sci, contains 6,000 high-quality still images and 24,000 images assembled in motion-picture and animation sequences. Using a directory, professors can individually program the slides and sequences they want, then call them up anytime on the computer.

The laser disc will also save time and money. "Can you imagine looking through 12,000 slides each year?" asks Peiffer. The pictures on one disc—photographs made by the renowned British firm Oxford Films—would cost $7,000 in slide format. But the disc costs only $495.

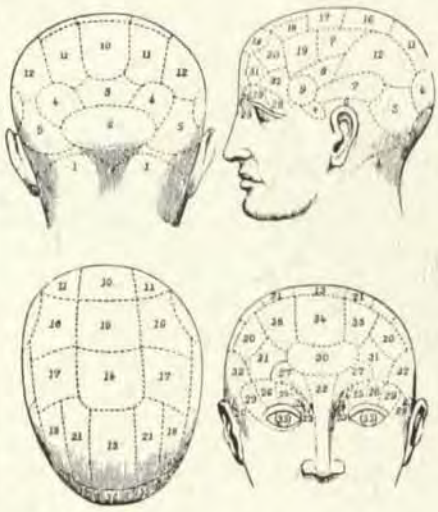
Peiffer hopes the discs will make the class, one of the largest on campus, less intimidating.

MEDICAL SCHOOL

Advancing the Last Frontier

A Medical School task force appointed last fall by Dean David Brown is hoping to create a leading center for neuroscience study at the University.

Neurological diseases, such as schizophrenia, Alzheimer's disease, and multiple sclerosis, have staggering emotional and financial costs, says Professor Ashley Haase, head of microbiology and chair of the Neuroscience Task Force. The incidence of Alzheimer's disease is approaching epidemic proportions, he says. By the year 2000, $50 to $100 billion will be spent just on nursing-home care for people with the disease.



Haase describes the task force as an all-University effort that draws experts and advice from all colleges, not just the Medical School. The group is approaching its topic, the neurobiology of human diseases, as a basic science and as an illness.

So far the task force has created a minor in neuroscience, held a symposium on the topic, and obtained a grant to study aging. It is in the process of raising money for endowed chairs, hoping to bring in "superstar" neuroscientists. Through a search committee, it is recruiting a new head of neurology.

Haase says that membership in the national neuroscience society is growing exponentially—evidence of the rising concern about brain diseases in the country. "What we mean by neurodisease is a terribly important problem," he says. "We need a deeper understanding of normal and abnormal."

HOME ECONOMICS

Toying with Housework

Few people would consider housework fun. Yet miniature household appliances remain popular toys.

"Child's Play, Woman's Work," an exhibition by the Department of Design, shows 200 of these miniatures, dating from 1890 to 1970. Most of the toys still work, and all are set low so children can enjoy them.

The focus of the exhibit is a collection of 120 sewing machines donated by Holly Schrank, a professor at Purdue University, who taught at the University during summer session 1980.

The toys are geared to making little girls look forward to household chores, which is why they are usually red-trimmed rather than black-trimmed like their mothers' actual appliances, says Timothy Blade, design professor and curator of Goldstein Gallery, where the exhibit is being shown. Blade also notes that the toys' names—Little Betty, Little Mother, Stitch Mistress—trained girls to identify housework as their job.

Many of the big appliance companies, such as Singer, made the miniatures to develop "product-name sensitivity in girls." "Designing toys, as design in general, is a form of manipulation, just like advertising," says Blade. "It is an invisible controller of people's minds."

The exhibition will run through September 29 at the Goldstein Gallery, located in McNeal Hall on the St. Paul campus. A lecture series by three history and women's studies professors is being held in conjunction with the exhibition.

INDUSTRIAL RELATIONS

Computing Comparable Worth

For 40 years companies and unions have looked to the Industrial Relations Center for help with difficult wage issues.

That's what Northwestern Bell (NWB) and the Communication Workers of America (CWA) are doing now. To help settle pay questions, the phone company and the union have agreed to use a job analysis study and wage survey conducted by the Industrial Relations Center as a guideline in their 1986 wage negotiations.

The NWB-sponsored research project, which started in September 1984 and is scheduled to last eighteen months, is a large and significant study, according to Mario Bognanno, center director. It involves an analysis of nonexempt—nonprofessional and nonmanagement—jobs and a description of these jobs. "We are getting detailed information on the work performed by nonexempt job holders throughout the Upper Midwest," says Bognanno.

Graduate students will interview supervisors and job holders from about 45 large companies in the five-state area of Minnesota, North Dakota, South Dakota, Iowa, and Nebraska, covering every industry except the public and nonprofit sector. "This is a multistate, multiindustry, multicompany, multijob classification study," Bognanno says.

The job analysts were trained by Will

Manese, an industrial psychologist who was part of the design team that developed the evaluation system. Analysts were taught how to conduct the interviews (including how to be nonintrusive in the workplace) and how to transfer this information into job descriptions. Pam Swenson, who recently earned a master's degree in industrial relations, explains what she does as a job analyst: "I schedule interviews, take a lot of notes, and write a very detailed [ten- to twenty-page] job description. We focus totally on the different things people are doing in their jobs and the reasons for doing them."

The job descriptions, about 350 of them, will be purged of all identifiers—job titles, company names, references to states—and then sent to NWB. The phone company has assembled a committee consisting of NWB employees and CWA representatives to review the descriptions and evaluate the jobs in an attempt to establish a hierarchy among them. This will be done by assigning points to a job, based on a set of thirteen generic job factors such as communication skills, specialty skills, and physical and mental demands.

The survey is gathering more than job descriptions: companies are surveyed about their wage policies. "The reason for this elaborate process is to convert job content into pay," says Bognanno. "It is difficult to say what people should be paid when jobs change due to new technologies or company reorganizations without systemizing a mechanism for it."

Survey results will be transformed into a market "payline," showing the average market wage for a job with a certain amount of points. New and old jobs can be evaluated, given a point value, and then converted from points into an average market wage rate.

Says Bognanno: "It's an enormously innovative study, because it's making job content from many companies and from many different kinds of work comparable on a universal basis, and that is permitting universal comparison of wage rates."

The phone company and the union will use the study results as tools to help reach an agreement on wages, says Eldon Ranney, assistant vice president of human resources at NWB. "We will still go through the collective bargaining process . . . but this system [will help] us to establish pay on the basis of skills."

Negotiations between NWB and CWA will start in May or June 1986; the wage contract will end in August that year, Ranney says.

A problem solver for the NWB and the CWA, the project has proved to be a boost for students at the center itself.

According to project manager David Estenson, 30 industrial relations master's students are working on the project each quarter. By the project's end, 30 percent of the center's graduate students will have worked as job analysts. "The student job analysts not only support their education but they learn skills they can use in their future careers, and they learn a lot about private-sector industries in the Upper Midwest," Estenson says.

All that has proved helpful for job analyst Swenson, who says she got a job because of her experience with this project. "My area is compensation—how to pay people and make job descriptions—so this study was directly relevant to me," she says.

Faculty, too, have benefitted from the project. The job descriptions, wage data, and individual attitude and background data will be stored at the center for future faculty research. Already nine faculty researchers have planned research projects using the large and varied data base that will result from the study.

"We've had an enormous amount of cooperation from the private business sector, and we are really thankful for that," says Bognanno. "It has been a rewarding exercise for students and for faculty. We've learned a lot about how human resources are being utilized; we've been able to give our graduate students a boost; and we've introduced the center, the School of Management, and the University of Minnesota to many companies in this region."

MORTUARY SCIENCE

Understanding English Undertaking

Coffin factories, crematories, and funeral homes usually aren't priorities when visitors to London draft their sightseeing lists.

With one predictable exception, of course.

Thirty faculty members and students from the department of mortuary science visited just these places on a study tour held during spring break. The objective was to get acquainted with differences and similarities between English and American funeral practices.

The tour, headed by Robert Slater, director of the mortuary science department, was conducted for the first time in March 1984 and was made possible by alumni contributions to the department's International Study Fund. Each student is awarded $200 from this fund; the rest, approximately $900, is covered by the students themselves. (Funeral directors and other professionals may also join the group.)

The tour includes seminars, orientations to British funeral services, participation with British funeral directors in arranging and conducting funerals, and visits to crematories, cemeteries, and a coffin factory. There's also an evening at the theater. Says Andy Langehaug, a senior in mortuary science, "It was a pretty tightly scheduled trip."

The schedule needs to be tight when you have eight days to learn about British funeral practices. One of the trip objectives was to see how funerals are conducted in England, compared to those in Minnesota. There is practically no public viewing of the body in England, according to Rolf Peterson, former president of the Minnesota Funeral Directors Association and a participant in last year's tour. The British don't cosmeticize the body, either, says Dale Stroud, assistant professor in the department. Traditionally only friends and family closest to the deceased view the body, and they want the natural changes after death to appear.

In England it can take up to ten days before people are buried or their ashes scattered, for reasons that are both cultural and practical.

"They feel that immediate disposal is not healthy," says Peterson. "They go through a long and healthy process of mourning. [They think that] a human life deserves more than merely a ceremony."

Bureaucracy can also be blamed, or blessed, for this long mourning time. The British have an old and complicated process of getting permits for the burial. Sometimes several doctors have to sign death certificates, and in the case of unnatural deaths, coroners have almost unlimited power. Says Peterson: "It's a system that works for them, but takes a long time."

There are almost seven times as many cremations in London as in Minnesota. Again, both culture and practice account for the difference. Cremations have a long tradition in England, but the cost for earth burial is the most important reason for the preference for cremation, says Stroud. Central London is very densely populated, and concerns for the community, as well as the costs, usually make people choose cremation.

Despite their differences, people in the funeral business in England and in the United States have many similarities, including empathy for clients' grief. Being close to mourners and offering sympathy and comfort during a difficult time is the main service, both here and on the other side of the Atlantic.

Tour participants have found that it pays to consider different ways. Says Langehaug, "Now I can appreciate our funeral practices more."

This department was compiled by Minnesota *interns Bjorn Sletto and Alia Yunis, students in journalism and mass communications.*

COLLEGE OF AGRICULTURE

'22 **Henry M. Wilson** of Urbana, Illinois, has observed his 60-year anniversary with Boy Scouts of America. A former employee of the U.S. Soil Conservation Service, Wilson joined Boy Scouts first as a scout and later served as scoutmaster, camp counselor, and troop committee representative.

'44 **Roland Hendrickson** of Darien, Connecticut, has been elected chair of the Animal Health Institute board of directors. Hendrickson is vice president of Pfizer.

'71 **Clark W. Hanson** of Brookings, South Dakota, has been presented the Meritorious Teaching Award by the South Dakota State University chapter of the National Association of College Teachers in Agriculture. Hanson is a professor of education at that university.

'79 **Wayne Bollum** of Glendale, Illinois, has joined ABC Publishing Agricultural Group as advertising representative for farm progress publications.

'82 **Kevin Turnblad** of Genoa, Illinois, has been hired as agronomist in the quality-assurance department of Dekalb-Pfizer Genetics.

'83 **Joel Luehmann** of St. Paul has been named business analyst for credit and operations-west at Farm Credit Services.

COLLEGE OF BIOLOGICAL SCIENCES

'80 **James Philip Utz** of La Crescent, Minnesota, has received an M.D. degree from Mayo Medical School in Rochester, Minnesota. Utz is pursuing postgraduate training in internal medicine at the Mayo Graduate School of Medicine.

'81 **David Bertler** of Manitowoc, Wisconsin, has graduated from the F. Edward Hébert School of Medicine of the Uniformed Services University of the Health Sciences in Bethesda, Maryland. Bertler will serve as internal medicine internist at Walter Reed Army Medical Center in Washington, D.C.

COLLEGE OF EDUCATION

'39 **Willis Dugan** of Sauk Centre, Minnesota, has been named honorary executive director emeritus by the board of directors of the American Association for Counseling and Development. Dugan, a former University professor, is past national president of the association, which represents counselors in business, education, social service, and industry.

SCHOOL OF FORESTRY

'70 **Robert N. Stone** of Madison, Wisconsin, has retired as forest resource economist and project leader of timber requirements research at the Forest Products Laboratory. During his forestry career, Stone led studies to analyze economic trends in U.S. timber use and their effects on the national timber supply. He has written nearly 80 publications on forest resources, timber production, and wood use economics.

GRADUATE SCHOOL

'37 **Ralph Piper** of Laguna Hills, California, has received the Honor Award from the National Alliance for Health, Physical Education, Recreation, and Dance. Piper, a former physical education instructor, athletic trainer, intramural director, and coach, has been elected to the Minnesota Sports Hall of Fame and the Helms Sports Hall of Fame. Piper also received an award recognizing 50 years of service to the National Dance Association in folk, square, and social dance.

'53 **John W. Ward** of Amherst, Massachusetts, has been awarded an honorary doctor of humane letters by the University. A fellow of the Center for Advanced Study in Behavioral Sciences, Ward has written several books and articles for scholarly journals. He has twice won Guggenheim Memorial Fellowships and is a former Fulbright Lecturer in U.S. history at British universities.

'54 **Kenneth LaBudde** of Kansas City, Missouri, has retired as director of libraries and professor of history at the University of Missouri at Kansas City.

Clara Penniman of Madison, Wisconsin, has retired as chair of the political science department at the University of Wisconsin-Madison. Director of the university's Center for Public Policy and Administration, Penniman was the first person to be named Oscar Rennebohm Professor of Public Policy and Administration, the first woman elected to chair the University Committee, and the first woman granted tenure in the political science department.

'57 **E. W. Ziebarth** of St. Paul has been awarded an honorary doctor of humane letters degree from the University. Ziebarth was a University faculty member for 37 years, serving as chair of the speech department, and dean of Summer Session, Continuing Education and Extension, and the College of Liberal Arts. He was also interim University president in 1974. A former foreign correspondent and news analyst for WCCO Radio in the Twin Cities and for CBS Radio, Ziebarth was a broadcaster for CBS network and Voice of America programs and was educational director for CBS's central division. He served on the boards of directors of Midwest Educational Television Network and of two Twin Cities public television stations and has won three Peabody Awards.

'59 **Lois Orr** of Evanston, Illinois, has been appointed Chicago regional commissioner of the Bureau of Labor Statistics with the U.S. Department of Labor. Orr, the first woman to serve as the bureau's regional commissioner, is also president-elect of the Chicago chapter of the American Statistical Association.

'61 **Clara Ayers** of Velva, North Dakota, associate professor of mathematics at South Dakota State University (SDSU), has been named Teacher of the Year by the SDSU Student Association.

'65 **Richard W. Hansen** of Richardson, Texas, has been named to the associate board of directors of City National Bank of Plano, Texas. Hansen is professor of marketing at Southern Methodist University.

'67 **Roland Weber**, of Tonka Bay, Minnesota, has been appointed chair of the board and chief executive officer of Numed Corp. Weber, founder and former president of Physical Electronics Industries until its acquisition by Perkin-Elmer Corp., is vice president of Perkin-Elmer and general manager of its Physical Electronics division.

'73 **Terry L. Tranter** of Minneapolis, adjunct assistant professor at the University, has been awarded the R. Glen Berryman Award by the Minnesota Society of Certified Public Accountants in recognition of his instruction for the organization's continuing professional education program.

'74 **Elizabeth Oltenacu** of Ithaca, New York, has been elected associate professor of animal science at the New York State College of Agriculture and Life Sciences at Cornell University.

'75 **David A. Kreager** of Midlothian, Virginia, has joined Blue Cross and Blue Shield of Virginia as director of administrative services.

'78 **William Wargin** of Pittsboro, North Carolina, has been promoted to research scientist/senior pharmacokineticist in medicinal biochemistry at Burroughs Wellcome.

'80 **Jessica Rousselow** of Upland, Michigan, represented the International Women's Studies Institute of Taylor University at the United Nations' End of the Decade for Women International Conference in Nairobi, Africa. Rousselow is professor of communication and theater arts at Taylor.

'81 **Ron Shiflet** of Owatonna, Minnesota, has joined the Central Division of Pioneer Hi-Bred International as district sales manager.

LAW SCHOOL

'35 **Eugene Burdick** of Williston, North Dakota, surrogate judge of the North Dakota Supreme Court, has received the American Judicature Society Herbert Harley Award in recognition of his judicial service.

'45 **Patrick J. O'Connor** of Washington, D.C., founder and partner in the law firm of O'Connor & Hannan, has been named to the national finance board of directors of the Democratic National Committee.

'47 **David R. Brink** of Minneapolis, lawyer with the law firm Dorsey & Whitney and former president of the American Bar Association, has accepted the top volunteer position for the National Institute for Citizen Education in the

Law, a nonprofit organization that sponsors law programs for the layperson.

'52 **Harold Soderberg** of Minneapolis, president and chair of the board of Hessian McKasy & Soderberg, has been named to the national finance board of directors of the Democratic National Committee.

'68 **Edward Winer** of Hopkins, Minnesota, has been listed in the May 1985 issue of *Town and Country* as one of the best lawyers in the United States. Winer specializes in family and matrimonial litigation.

'71 **Viola Kanatz** of Minneapolis has formed a private law practice specializing in labor arbitration and administrative hearings.

'77 **Lawrence J. Friedman** of Dallas, Texas, has formed the law firm of Friedman & Ginsberg in Dallas. The firm specializes in corporate, real estate, tax, estate planning, and business litigation.

COLLEGE OF LIBERAL ARTS

'25 **M. Joseph Blumenfeld** of Bloomfield, Connecticut, senior U.S. court judge for the district of Connecticut, has received an honorary doctor of laws degree from the University of Hartford. Blumenfeld was appointed to the bench by the late President John F. Kennedy in 1961. Many of Blumenfeld's signed opinions have been published in official law reports and law school case books.

'32 **Ernest Foerster** of Paxton, Massachusetts, has been appointed associate actuary for Paul Revere Companies.

'33 **Jean Hagstrum** of Evanston, Illinois, has received an honorary doctor of humane letters degree from the University of Chicago. A 1985 fellow of the Folger Shakespeare Library in Washington, D.C., Hagstrum has been named 1985-87 Senior Mellon Fellow at the National Humanities Center in Research Triangle Park in North Carolina.

'40 **Charles W. Roberts** of Bethesda, Maryland, has received the University's Outstanding Achievement Award in recognition of "unusual professional achievement and outstanding leadership." A former *Newsweek* bureau chief and correspondent, and former reporter for the *Chicago Sun, Chicago Sun-Times,* and *Chicago Daily News,* Roberts directed the Washington Journalism Center's educational program in 1972 and retired as information director for the National Wildlife Foundation in 1980.

'62 **Clarence Harms** of New Wilmington, Pennsylvania, has been promoted to vice president for academic affairs and dean of Westminster College.

'64 **Karen Bachman** of Minneapolis has been named director of investor relations at Honeywell.

Rolf Bjelland of Minneapolis, executive vice president and chief investment officer of Lutheran Brotherhood, has been elected chair of four of that company's mutual funds.

'66 **Garrison Keillor** of St. Paul, creator and host of "A Prairie Home Companion," received the Corporation for Public Broadcasting Edward R. Murrow Award for his "outstanding contributions to public radio."

'67 **Joan Halgren** of Golden Valley, Minnesota, has been hired as senior staff writer for the marketing division of HMO Minnesota.

'68 **Paul D. Merrill** of Portland, Maine, president and chair of the Merrill Companies, has been elected to the University of New England board of directors.

'75 **Mary Jo Larson** of Cambridge, Massachusetts, has been named Lucius N. Littauer Fellow by the John F. Kennedy School of Government at Harvard University.

'81 **Christopher F. Heck** has received an M.D. degree from Mayo Medical School in Rochester, Minnesota. Heck is pursuing postgraduate training in general surgery at the University of California, San Francisco.

'82 **Terri Armstrong Welch** of Minneapolis has been promoted to manager of planning and business development at Split Infinitive.

'83 **Brian P. Thornton** of Long Beach, California, has joined Coldwell Banker Real Estate as a realtor associate.

SCHOOL OF MANAGEMENT

'69 **Gregory S. Anderson** of Lake Elmo, Minnesota, has been elected president of the Minnesota State Association of Life Underwriters. Anderson is an insurance agent with Northwestern Mutual Life.

'75 **David Jahnke** of St. Paul has been named partner in the accounting firm of Peat Marwick Mitchell & Co.

'77 **Eric Sivertson** has been named marketing director of St. Jude Medical in St. Paul.

COLLEGE OF PHARMACY

'37 **Allen I. White** of Pullman, Washington, has received the University's Outstanding Achievement Award for his work in pharmacy education. White, professor emeritus and former dean of the college of pharmacy at Washington State University, has published nearly 90 scientific and professional papers and contributed to two pharmacy textbooks during his career.

SCHOOL OF PUBLIC HEALTH

'46 **Elizabeth J. Haglund** of Silver Spring, Maryland, has retired from her position as assistant surgeon general and associate director for program coordination and operations of the bureau of health professions, a part of the U.S. Department of Health and Human Services, public health services division. Honors awarded to Haglund during her career include the Commendation Medal, the Meritorious Service Medal, and the Distinguished Service Medal. She received the University's Outstanding Achievement Award in 1976 in recognition of her unique contributions to public health. She also received the highest honor of the Health Resources and Services Administration, a special award recognizing her as a "precious public resource."

'56 **Margarita Papandreou** of Athens, Greece, has received Alpha Chi Omega's Award of Achievement in recognition of her commitment to women's rights.

'80 **Rex Wheeler** has been named administrator of Joel Pomerene Memorial Hospital in Millersburg, Ohio.

'81 **Mark McGarraugh** of St. Paul has been elected vice president of the board of directors of Piper Jaffray & Hopwood. McGarraugh is employed in the company's public finance department.

INSTITUTE OF TECHNOLOGY

'34 An annual lectureship has been established at Cornell University in honor of **William R. Sears,** founder of Cornell's aerospace engineering school. Sears, now a professor at the University of Arizona, held the John LaPorte Given Chair in Engineering at Cornell and is an internationally recognized authority on aircraft aerodynamics, the aerodynamics of turbomachinery, boundary layer effects in aircraft, and the design of wind tunnels.

'49 **Kenneth Simon** of Sherman Oaks, California, has been named chair of the board of Air Conditioning Co.

'49 **Donald Sandell** of Naperville, Illinois, has been elected president of the Western Society of Engineers. Sandell is senior associate at Harza Engineering Co. in Chicago.

'64 **David T. Buzzelli** of Midland, Michigan, has been named to the management committee of Dow Chemical Co.

'71 **Philip A. Katz,** assistant professor of radiology and surgery at Thomas Jefferson University in Philadelphia, has been appointed associate vice president for technology and information management at that university.

'83 **Mark A. Novak** has joined the corporate engineering department of Oscar Mayer Foods as project engineer at the company's corporate headquarters in Madison, Wisconsin.

UNIVERSITY COLLEGE

'60 **Karin L. Larson** of Malibu, California, has been elected senior vice president of Capital Research International. Larson, a financial analyst, also serves as senior vice president and director of Capital Research Co.

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The Right Chemistry

BY BJORN SLETTO

Entering the office, a visitor first sees books—rows and rows of hard-bound journals actually, with titles like the *Journal of Chemistry* and the *Journal of the American Chemistry Society*—then the obligatory blackboard, filled with a mass of chemistry symbols, lines, and numbers.

In the midst of it all, reclining in a chair behind a desk crowded with papers, notepads, and a half-empty cup of coffee, sits Thomas Hoye, associate professor of chemistry.

Hoye, highly respected for his research and teaching, recently received a $25,000 Sloan Fellowship, an award given in memory of Alfred D. Sloan to outstanding young physical scientists throughout the United States. "It's quite an honor," says Larry Miller, chair of the chemistry department. "It allows you to try untested projects and move in new directions."

Hoye likes to go new ways. The 34-year-old professor is always willing to lend a helping hand to his students and colleagues, and enlivens the department with his sly sense of humor. He is known for his tough questioning in seminars and his attention to detail.

"He really has a fine mind for discovering an interesting element in a complex discussion," Miller says.

Hoye was born in 1950 in New Wilmington, Pennsylvania, a rural town most noted as the home of Westminster College. His father was a mechanic; his mother, a housewife.

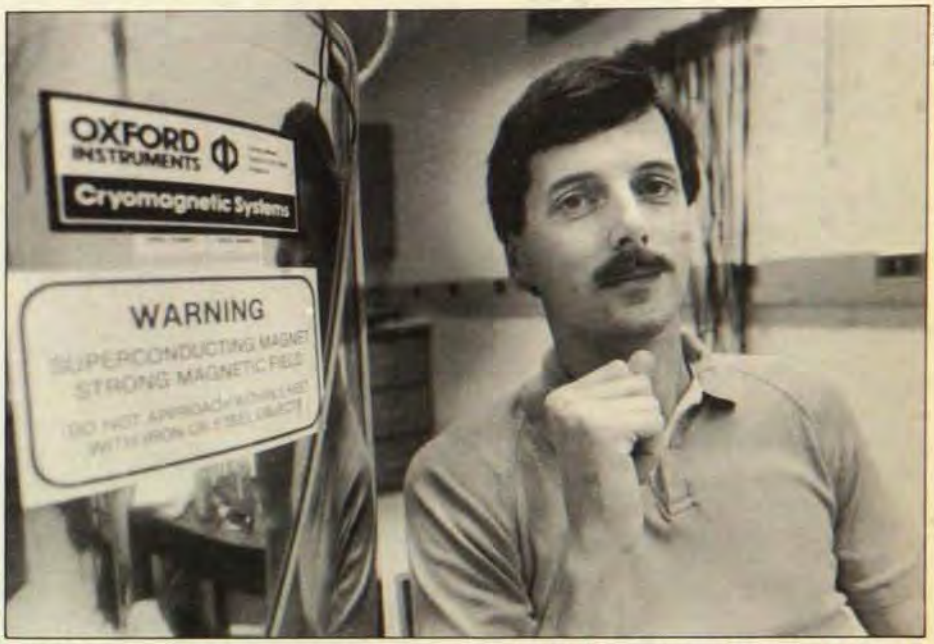
As a child, Hoye felt little attraction to mechanics or engineering. "My dad was very mechanically inclined. I had to hold his lamp," he says, shaking his head. "I was never interested in such things. Now I'm back learning the same things I easily could have learned with him.

"I did learn something very important from my dad. I learned to always ask questions."

Hoye spends much of his time in the lab leading research groups, and in that capacity he visits the lab more than most. Here, too, his energy and drive make him want accomplishments, from his students as well as from himself.

"His enthusiasm is incredible," says Brian Peterson, a doctoral student in organic chemistry. Hoye is Peterson's adviser and encouraged him to go to graduate school. "Sometimes it's too much. You can't be as intense as he is."

John Link, who recently received a bachelor's degree in organic chemistry, agrees. "He's been very helpful to me as an adviser," Link says. "I've never seen my [assigned] adviser. I've only gone to Tom. You can go to him, and he always has time."



Steve Wolf

Associate professor of chemistry Thomas Hoye, winner of a $25,000 Sloan Fellowship, finds that a sense of humor helps whether you're dealing with students or organic chemistry.

Hoye expects a lot. One of Hoye's typical remarks, says Peterson, is "you should have molecules working while you're working."

Hoye balances his high standards with a good sense of humor, which has made him popular with his students. He tries to make his research group meetings informal because, he says, "I think everyone should have fun learning." And he doesn't limit his interaction with students to occasional meetings in his office, in seminars, or among bubbling reagents in the lab. He and his students take time off to look into the chemistry of pizza and beer, or to visit his 60-year-old, semirestored St. Paul house near the Mississippi River.

"Every now and then we have parties on a golf course a couple of blocks away from our house," says Hoye's wife, Rebecca. "In the winter we have sledding parties. You never outgrow that."

Rebecca Hoye, also a chemistry professor, moved to Minneapolis with her husband in 1976. They met at Bucknell University in Pennsylvania when she was a junior and he was a senior. They were both going to summer school and spent many hours together every week in the chemistry lab.

After graduating from Bucknell, Hoye went on to pursue a doctorate at Harvard University. For his first teaching job, he chose the University of Minnesota over several other schools because he thought the chemistry department here would be rebuilding and offered good research opportunities.

He was right. Today the department has many young faculty members; in fact, roughly 35 percent of the faculty has been hired since Hoye came in 1976.

Hoye chose Bucknell for his undergraduate degree because the school was noted for its chemical engineering department. His interest in organic chemistry developed later. Now, he says, organic chemistry "provides the right balance for me of mathematical analysis, logic, and to a certain extent memorization."

Concepts and processes in the chemistry lab sometimes have had to wait since the birth of Hoye's two sons, Adam, 3, and Brian, 1. "Now, instead of going right back to lab after supper, he spends time with them," Rebecca says.

"I think he loves his work immensely. That's the most enviable thing about him."

Bjorn Sletto is a journalism intern for Minnesota.

Going for Gold

BY JOHN KAISER

The rally cry floating around during the 1984-85 Minnesota football season was "Expect a Miracle." Considering that during the previous season the Gophers allowed an average of more than 47 points per game, a couple of first downs would have been miracle enough for Minnesota football fans.

But later, when the Gophers pulled out four victories, including upset wins over rivals Wisconsin and Iowa, Gopher fans didn't praise the heavens. Instead, the credit went to new head coach Lou Holtz, the motivator who took not only the team but the entire state by storm, instilling in them a winning attitude and plenty of Ski-U-Mah spirit.

Holtz pumped the team full of confidence, all the while redeveloping its relationship with the state with slogans like "We're the whole state's team" and "For everybody who has ever picked up a snow shovel, we're their team." He roamed Minnesota like a traveling salesman, seeking support with his always ready wit. "Minnesota—the land of blonde hair and blue ears," he once quipped.

The results of Holtz's actions stretch beyond Minnesota's surprising 4-7 record last year. A spacious new practice facility, dubbed the Taj MaHoltz, was built, giving the team one of the finest training complexes in the nation. A new Gopher mascot, depicting strength and confidence, was created, and Twin Cities' business leaders banded together to form the Golden Gopher Gold Rush Strike Force to hype Minnesota football through advertising and promotions. Most important, the public's attitude about Minnesota football changed, and once again rooting for the Gophers was in vogue.

All these changes add up to new, positive feelings about Minnesota football. Holtz says it best: "If somebody had fallen asleep about eighteen months ago and just now woke up, they'd be shocked. When I look back at it, I don't know how it all happened. It's a tribute to a lot of people who feel that Minnesota's going to be back."

Some of those people are Minnesota fans who, at the urging of the Gold Rush Strike Force, have been buying season tickets at a record pace. By early June, season ticket sales had surpassed all of last year's sales and student ticket sales had doubled. "It is our hope to sell out the Metrodome and forever lock out the 20,000-plus Iowa fans," says Strike Force cochair Vickie Abrahamson.

Are the droves of season ticket holders expecting too much from the 1985 Minnesota Golden Gophers? Three who speak with the voice of experience—trainer Jim Marshall, broadcaster Ray Christensen, and coach Lou Holtz—don't think so.

With a year of Lou Holtz's training behind them, 42 lettermen and 23 redshirted freshmen return to the Gophers this fall.

The Gophers still need overall team improvement in both lines and in throwing and defending against the pass. To get it, Holtz is starting with the basics. "Our primary aim is to improve fundamentally," he says. "We were not able to generate any continuity with a number-one team last season. We made strides in those directions, but we must continue to do so."

Injuries to key players such as freshmen sensation, quarterback Rickey Foggie, and running back Valdez Baylor were the cause of much of the inconsistency; the rest came from lack of experience. But with 23 redshirted freshmen joining the 42 returning lettermen this season, depth at each position should be less of a problem. "They redshirted a lot of people last year," says Christensen, who has been announcing Gopher football games since 1951. "But they played a lot of people, too. So, not only do they have experience, but they also have fairly good people coming in fresh."

Marshall, a Minnesota trainer for 24 years, believes younger players will be able to make an impact. "From a physical standpoint, I don't think it really matters how young they are, just so they have the ability to play. Apparently, with the increased emphasis on youth athletics and better high school coaching of a bigger talent pool of young athletes, players are able to step right into the lineup and contribute."

Last year was a good example of the impact of young players: Foggie rushed for 647 yards and passed for 1,036 more. Barring injury or incredible performances from reserves Mike Moe, Alan Holt, or freshman Roselle Richardson, Foggie will start opening night.

Christensen ranks Foggie among the best Minnesota quarterbacks he's seen, and that includes Sandy Stephens and Tony Dungy. "He may just be the most exciting because he is so unpredictable. Even his own team doesn't always know what he is going to do when he gets into a jam. He's got the quick feet, there's no question about it, and that means so much. And I think he's going to be a much better passer. Lou Holtz is a good team coach, of course, but when you break it down into positions, he is a quarterback coach, that's his strongest of strong points," says Christensen.

In the spring football game, Foggie connected on 6 of 7 passing attempts, revealing a new touch he developed during the winter. If Foggie can withstand the many hits he'll take as a running quarterback, observers predict he could be one of the biggest keys to a successful season.

Joining Foggie in the Gopher backfield will be a multitude of running backs. Although six veteran backs will be returning, David Puk and Kevin Wilson will likely see the most action at the fullback position, and Baylor and Courtney Holmes will alternate at running back. "I think the running game will be better because the passing game will be better," says Christensen. "The players here should be as good as last season, but the injured people from last year like Baylor and Puk will be healthy again."

Gone from last year is leading receiver

Dwayne McMullen, who caught five touchdown passes. His departure means that Mel Anderson, the Gophers' second-leading receiver, and tight end Kevin Starks will be the targets for most of Foggie's passes. Eugene Gailord, a junior-college transfer from California, is also expected to contribute.

The offensive line is one of Holtz's biggest problems. Three starters graduated, leaving holes at left guard and right tackle. Returning will be tackles Jim Hobbins and Dan Rechtin, guard Jon Lilleberg and center Ray Hitchcock. Hobbins missed all of last year with a leg injury but lettered the previous two seasons.

Whoever the starting five are, they will be the key to Minnesota's offense, claims Holtz: "Last fall we were able to move the ball well on the ground at times, but our offensive line play must become more stable, and it must get better for our passing game to succeed."

Defensively, Minnesota is led by linebacker Peter Najarian. "Peter is a very smart linebacker," says Christensen. "He has all the mechanics. Physically, he is strong, and although he is considered light, I don't think he needs the extra weight. Linebackers don't need to carry a ton of beef on them these days as long as they are agile, and I think Peter is."

Joining Najarian at linebacker are lettermen Joe Christopherson, Jerry Keeble, and Larry Joyner.

Duane Dutrieuille, Lungen Howard, and Donovan Small all return from last year in the defensive secondary, and transfer Theo Barley, Matt Martinez, and Don Pollard are expected to help, especially in lowering the number of turnovers. Last year the Gophers were -3 in the turnover department, and making more interceptions and recovering more fumbles are musts for the team.

"The defense definitely has to score more points for the Gophers than last year," Christensen says. "But they were going to the quarterback and going to the ball much more in the spring game than they ever did. And I don't think it was just that game. I'm sure the coaches are saying, 'Hey, we've got to get points from the defense,' whether they score them directly on an intercepted pass or they set up the offense on the opponents' 23, instead of your own 23."

The kicking game appears solid, with Adam Kelly returning from a record-setting season in which he averaged 46.2 yards per punt. Chip Lohmiller, who connected on 20 of 20 conversion attempts, will return, as will Charlie Horton, who kicks off.

According to Marshall, it's hard to know how good the Gophers can be with Holtz as coach. Both he and Christensen predict winning seasons. But for Marshall, it all comes back to support and the excitement of believing in the football team.

"This is as much excitement as I've seen generated in my 24 years at Minnesota," he says, twisting his green stogie in an ashtray. "Coach Holtz came in here and turned the whole attitude around. I mean, he's got everybody excited. Wherever I go in the state, people ask me, 'Are we going to the Rose Bowl?' When you have that type of following, it bubbles all over, including in the team, and that's why I think it's going to be a great year."

When the Gophers begin the season September 14 against Wichita State in the Metrodome, Jim Marshall will be taping ankles, Ray Christensen will be holding forth behind a microphone, Lou Holtz will be pacing the sidelines, and undoubtedly a dome full of revitalized Minnesota football fans will be watching with nervous excitement. But this fall they'll be expecting not a letdown but a Minnesota miracle.

John Kaiser is an intern in the men's intercollegiate athletics department.

Goldy Gopher: A Dossier

BY CHRIS MAYR

You've probably spotted him sitting on his haunches alongside Minnesota's two-lane highways. University zoologists say that he is a burrowing rodent of the family Geomyidae and the genus *Geomys*.

He's the gopher, and in 1857 he upset the heavily favored beaver to become Minnesota's popular choice for state animal. Since the University is a state institution, it was only natural to choose him for the school mascot, too.

Thanks to Bernie Bierman's championship football teams of the 1930s, the gopher was dubbed "golden." The local press, referring at first to the team's jerseys, later to their growing success, called Bierman's boys the "golden-shirted horde" and the "golden swarm." (Bierman is said to have cleverly picked gold uniforms so that the football would be harder to see.)

Goldy was born into a large family of nine, in an earth-sheltered home somewhere near Bierman Field in Dinkytown, but was separated from his family shortly after birth. His brother Fairchild graces the Minnesota State Fairgrounds every August, dapper in straw hat, tailored coat, and cane. Goldy, it seems, was destined for something greater.

Although members of his family are recognizable by their large, furry cheek pockets that open externally, not into the mouth, the trait seems to have passed Goldy by.

Most of his relatives live alone in shallow burrows; Goldy, however, was last seen dashing into a closet in the Alumni Association offices in Morrill Hall.

Not one to take long winter breaks, Goldy is forced to horde his food, mainly in the underground tunnel between Nolte Center and Northrop Auditorium.

Even though Goldy's cousins are sometimes looked down upon for their socially unacceptable behavior—gardeners call them no-good, garden-terrorizing rodents, and to greenskeepers they are obnoxious, greens-destroying pests—his pioneering ancestors take credit for conditioning the soil in the now fertile plains of the Red River Valley and beyond.

Goldy is believed to be majoring in archaeology and geology, two fields he really digs, but he has yet to graduate from the University.

His favorite flower is the marigold, his favorite movie is *Goldfinger*, and he always follows the Golden Rule.

The first University-drawn portraits of Goldy pictured him as just another gopher. Later, wearing an "M" freshman beanie and perched upon his name, Goldy retained his realistic torso but underwent a dramatic face change. Critics said this dumbo-eared, bucktoothed gopher looked "wimpy and weak." In the 1950s, Goldy took to playing the drum, while a companion, looking remarkably like a female version of Goldy, took up ballet.

Throughout the sixties and seventies, Goldy began a metamorphosis into a more modern, cartoonlike look and was shown posing in different kinds of sporting attire.

Enticed by a Hollywood contract that he could finally sink his teeth into, Goldy starred in the cartoon series "The Go-Go Gophers." His big break came in 1980, when he received top billing over Rodney Dangerfield, Chevy Chase, and Bill Murray in the smash box office hit *Caddyshack*. Taking advantage of Goldy's popularity, Schlitz Brewing featured him in its "Go for it!" beer commercials during the late seventies.

In 1979, the Minnesota Alumni Association contracted with artist and alumnus Bill Stein to perform major plastic surgery on the University mascot. After a brief convalescence, Goldy radiated intelligence, alertness, and cleverness, as well as the friendliness of Midwesterners. Wearing a Minnesota sweater, he was registered by the Alumni Association with the U.S. Patent Office to prevent misuse of his likeness.

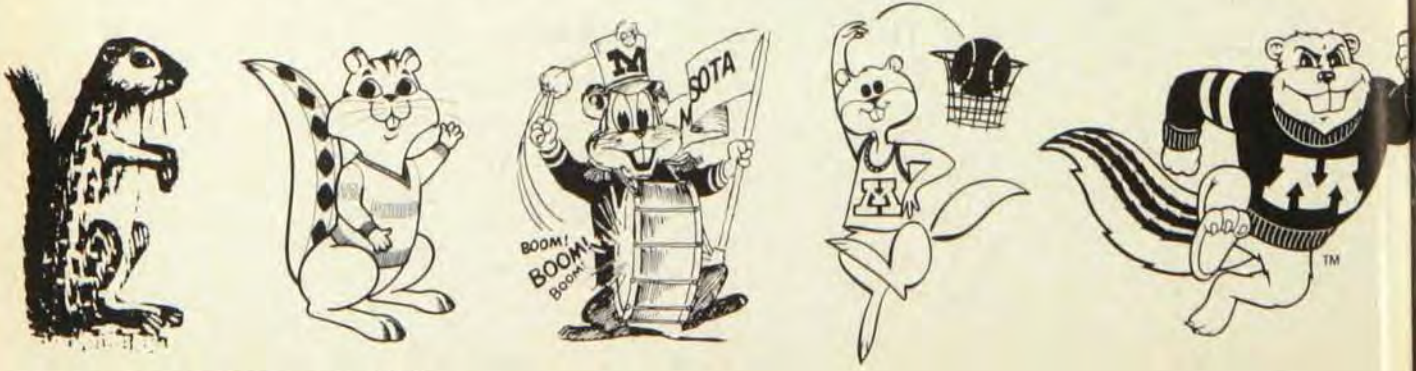
That didn't stop the many artists who fashioned him in myriad new poses and body styles. He looks like a Wisconsin badger in one style, cuddly and likened to a teddy bear in another, and like a bulldog in still another style. Caricatures from the 1930s to the 1970s were still being used in the 1980s.

On top of that, a Minneapolitan recently started a slur campaign against Goldy. "Are you sometimes embarrased by the name 'Gopher?' " the advertisement asks. "Does 'Gopher' actually strike terror in the hearts and minds of our opponents? Why not the Minnesota Timberwolves or the Minnesota Moose? Anything but a rodent—and 'Golden' doesn't change the connotation." For $3, supporters could get a "Gophers Are Rodents" bumper sticker and a chance to rename the mascot.

What with the old cartoons and the new campaign, Goldy started suffering an identity crisis. He had a friend in Gerald O'Dell, assistant to the athletic director, in charge of marketing and promotions. O'Dell looked into Goldy's past and discovered that the *University* had never actually registered the logo. So he commissioned Josten's to design Goldy Gopher and registered the new Goldy with the patent office. Josten's chose Minnesota graduate Steve Wanvig to draw the new, improved Goldy, who is depicted as fierce, confident, and full of vigor.

You've come a long way, Goldy.

Chris Mayr is assistant director of the Alumni Association's chapter programs and a friend of Goldy's.



Musical Obsession

BY HOLLY HOFFMAN

Steve Barnett is producer for "St. Paul Sunday Morning" and composer/arranger/conductor for "A Prairie Home Companion," both produced by Minnesota Public Radio (MPR) and distributed by American Public Radio. And he is choir director at B'nai Emet Synagogue in St. Louis Park, Minnesota. And music director of the St. Paul Jewish Community Center Orchestra. And bass player with the Barnett Quintet (sponsored by Young Audiences, a national performing arts group). And composer/producer of the McKnight albums. And secretary of the board of the Minnesota Composers Forum. And member of the Twin Cities Jazz Society.

Oh, yes. In his spare time Barnett is creative director of his own company, Barnett Music Productions. He is currently arranging and producing a dance album with singer Melvin Jordan. He also writes and produces commercials for radio, the latest of which is one for the Metropolitan Transit Commission. He composed the theme for MPR's "Minnesota Journal" and composed the music for the St. Paul Companies' sponsorship promotion of the local edition of "All Things Considered." He also composed the music for a school hymn for Stillwater High School.

How does he accomplish all this? Barnett, a 1972 graduate of the School of Music, says he works well under deadline pressure and claims to do his best work between 10 p.m. and 4 a.m.

Music and the difference it can make in people's lives are worthwhile to him, says Barnett. "I can make a difference, even if it's for ten minutes. If I can take people out of their cares and worries, and put them into another world, then I've done something good for the world, and that's important to me."

Barnett shares a love of music with his parents, sisters, and wife, all of whom are musicians. Yet his parents did not encourage him to pursue a career in music, he says, because they felt it was not a very secure way to earn a living. Barnett began his musical career by taking up the clarinet in fifth or sixth grade. He started to play the bass in high school and formed a jazz group at North High School in Minneapolis. When he began his studies at the University, though, Barnett was a theater major with a minor in political science. It wasn't long, however, before music asserted itself, and he realized "I couldn't have ended up in anything else."

Randall O. Eaton

Among Steve Barnett's many jobs is arranging, composing, and conducting for "A Prairie Home Companion."

Barnett graduated summa cum laude with a bachelor's degree in music theory and composition. Supported by a number of key professors at the University, notably Band Director Frank Bencriscutto, Barnett was allowed more creative freedom than most undergraduates. His mentors realized his potential and left him free to develop it.

He arranged and composed pieces for the marching and concert bands, started a jazz ensemble when there was no jazz ensemble program, and as a sophomore, served as guest conductor for the principal concert band. His extraordinary talents led him to teach music theory and ear-training at the University and also to serve as assistant director of bands.

After he left the University, Barnett was assistant creative director at Sound 80 recording studios for four years. There he learned much about the commercial music world by composing, arranging, and producing music for radio and TV commercials, albums, and films. Most of Barnett's career, however, has been spent free-lancing.

Barnett enjoys the creative freedom that free-lancing and his position with "A Prairie Home Companion" have given him.

"It's really been a wonderful experience for me, and it's given me a chance to arrange in a number of different styles for a number of different-sized groups, and I've been able to meet a lot of wonderful people besides. I'm still in the 'Gee whiz, you're a famous person phase,' but that's half the fun."

Concerned about helping young musicians succeed, Barnett was a major contributor to the Friends of the Band Endowment Fund, set up to provide a scholarship for one promising new band student each year. He says he's indebted to the University for his tremendous education experience, and will do anything he can to help repay that debt. Barnett has been commissioned by the Twin Cities Jazz Society to compose a piece for the opening of Ferguson Hall, the new music building, scheduled for October 25, 1985.

For now he is working on getting his work published, and he is exploring computer-synthesized sound. He also hopes to produce a true jazz opera, one that incorporates improvisation into the score and breaks new ground in the music world.

And beyond that? Barnett dreams of someday being successful enough to work most of the year and spend the cold winter months in a warm climate.

"I'm hoping to centralize a little bit and cut back on some of the outside activities," says Barnett. "But I've been given a lot of talents, a lot of different and varied talents, and it's a shame not to use them."

Holly Hoffman is a Twin Cities free-lance writer.

The Power and the Glory

BY STANFORD LEHMBERG

This fall's British Festival will remind Minnesotans of the great contributions England has made to our culture, as samples of its finest music, drama, and art are presented in the Twin Cities. Some of Britain's greatest glories, however, defy export. I think particularly of the marvelous heritage of medieval architecture surviving in the great English cathedrals: the beautiful gothic buildings at Canterbury, York, Salisbury, Lincoln, and Wells; the earlier Norman marvels at Durham, Winchester, and Ely.

Although the architectural glories of these cathedrals are widely appreciated, surprisingly little has been written about the role they played in English society. What services did the cathedrals actually render to the English people?

Ever since I was a graduate student at Cambridge University three decades ago, questions of this sort have intrigued me. My love of English cathedral music also fueled my interest, for I have pursued a second career as a church organist and choirmaster alongside my principal one as an academic historian. During summer holidays and research trips to England over the past six or seven years, I started making the rounds of the cathedral libraries and archives, originally seeking materials about the development of the cathedral choirs and organs. Such documents survive, often in bad handwriting, frequently in eccentric or abbreviated Latin, commonly stained or faded or torn, but alongside them I found materials describing a far wider variety of cathedral activities. I am now studying these, in the hope that I can produce a general history of English cathedrals in the sixteenth century.

Why the sixteenth century? This is not the age in which the cathedrals were built, for the structures were generally erected between 1100 and 1400. In part I chose the sixteenth century—the Tudor period of English history—simply because it is the period in which I have specialized. But the sixteenth century is also the age of the Reformation. In the 1530s Henry VIII severed the ties that for centuries had bound the English church to the pope and to Rome; the church in England became the Church *of* England, a separate national body that soon came to embrace Protestant doctrines and reformed liturgies. Just what, I wondered, was the impact of the Reformation on the cathedrals? How did they accommodate themselves to the religious changes of the century?

Stanford Lehmberg

During the Reformation, the role of the English cathedral changed as reformed liturgies were adopted.

Some of the answers are quite straightforward. There were nineteen cathedrals in England in 1509, at the end of the Middle Ages. Monks staffed ten of them. One, the cathedral in Carlisle, was a house of Augustinian canons. The rest were Benedictine priories: the cathedrals at Canterbury, Winchester, Worcester, Rochester, Durham, Ely, Norwich, Coventry, and Bath—each in some ways like the great Benedictine abbey at Collegeville in Minnesota. In these houses the responsibilities of a cathedral to maintain public worship services and to serve as the home church for a bishop and his diocese were grafted onto the normal monastic obligations.

The nine secular cathedrals—at York, Salisbury, Lincoln, Exeter, Hereford, Lichfield, Chichester, Wells, and St. Paul's in London—were organized quite differently. Worship was maintained by secular canons who lived in separate houses, not communally, and who enjoyed individual incomes derived from the cathedral's endowment.

Since services were sung daily (and, in monastic cathedrals, during the night as well), full-time choirs were needed. In the monastic cathedrals the monks did the singing, and they educated the boy sopranos who became more and more important as elaborate polyphonic music came into use in the late Middle Ages. The secular cathedrals had their own singing men, usually called vicars choral. They, too, were ordained men in holy orders—priests or deacons, though, not monks—and were bound by vows of celibacy. They lived in small individual houses, some of which are still preserved (for instance, the so-called Vicars Choral Close adjoining the cathedral at Wells).

Henry VIII's initial break with the papacy in 1533 caused little change in the cathedrals and was indeed scarcely noticed, except that prayers for the pope ceased and his name was struck out of service books. But toward the end of the decade the king and his chief minister, the great bureaucrat Thomas Cromwell, decided to close all the monasteries in England, partly because some of them adhered to the old church, partly because monks were suspected of idleness and immorality, but mainly because the monasteries had grown rich and the government coveted their endowments.

The Tudor government, however, had no intention of closing the cathedrals, which were acknowledged to perform vital services. When the cathedral monasteries were closed, the monastic cathedrals were converted into secular establishments, organized much like the older secular cathedrals. About half of the monks—probably the best educated and most active ones—stayed on as secular priests to staff the new establishments. Choirs and choir schools were reorganized as well. Although the king confiscated some endowments, most of the old revenues were given to the new foundations, so that buildings could be maintained and the necessary staff could be supported. Indeed, six new dioceses were created, since government officials believed that some of the existing bishoprics were too large for efficient management; thus six of the great monastic churches that had not previously enjoyed cathedral status were preserved with new functions. Westminster Abbey, long the site of royal weddings and funerals, was turned into a cathedral, though it soon became apparent that London did not need two cathedral churches. Under Queen Elizabeth, then, Westminster Abbey reverted to its present anomalous state as a "royal peculiar," with sung services of cathedral stat-

ure but without any connection to a bishop or a territorial diocese. The other new cathedrals of the 1540s, however, have survived; they are located at Oxford, Gloucester, Peterborough, Chester, and Bristol. These foundations, too, were granted substantial endowments out of the income formerly enjoyed by the monasteries.

Further changes came rapidly in mid-century. Henry VIII's son, the boy king Edward VI, was a staunch Protestant, and under him the Archbishop of Canterbury, Thomas Cranmer, produced the first English-language *Book of Common Prayer*, which simplified old liturgies and translated them into the language of the people. The change must have resulted in a frantic attempt to provide new music, for it became illegal to sing the old settings of Latin texts, and there are frequent references in financial records to the purchase of paper and ink for "pricking" new services. Reformed theology, much of it inspired by the Lutherans on the continent, came in under Edward as well, and with it came the movement to remove or mutilate statues and altars, which were now thought to be superstitious and popish. More endowments were confiscated when prayers for the dead ceased (they were thought to be useless), and the lives of the priests and singing men altered dramatically when the requirement of celibacy was dropped and the English church began to foster a married priesthood.

After a brief reversion to Catholicism under "Bloody" Mary (queen from 1553 to 1558), and after the martyrdom of Archbishop Cranmer and about 300 other Protestants, the Anglican church entered a period of stability and consolidation under Elizabeth I (1558-1603). It was during her reign that the cathedrals took on the basic form they have retained to the present. Any surviving communal arrangements, for instance for vicars choral, were abandoned.

Although these basic lines of development can be traced without too much difficulty, many intriguing questions remain.

As so often proves true, the most important questions are the hardest to answer, because no precise information survives to answer them. In piecing together tentative conclusions from fragmentary sources, I hope to enhance our understanding of English religion and society. The task fascinates me, and I hope it will eventually fascinate readers of a book about cathedrals in sixteenth-century English society.

Stanford Lehmberg, former chair of the history department, received a 1985-86 Guggenheim Fellowship to study the history of English cathedrals.

Artistic Irony

BY DEANE MORRISON

A casual visitor to the foundry annex of the studio arts building might think that some sort of competition is going on. The large room is open to the outside, and people are watching the doings or wandering in and out. Sandpiles are strewn about the floor, with pour cups for sculpture molds poking through them. In the back, surrounded by a platform, is a closed furnace that heats metal to melting before it is poured into the molds.

Wayne Potratz, one of the nation's foremost authorities on iron casting, is the man in the white helmet with a hose running down his back to a respirator, his defense against years of fumes from the furnace and even some of the newly poured artworks. An associate professor of studio arts, Potratz began this yearly tradition of pouring iron for metal sculpture in 1969 with his friend Cliff Prokop, now an associate professor of art at Keystone Junior College in Pennsylvania. During the pour, Potratz hardly stands still for a moment, making sure everything runs smoothly. He relies on humor to keep the human machinery oiled at this, the sixteenth pour, dubbed "Sweat 16." Tradition dictates that each iron pour have its own name or theme. Last year's was "Pig Iron."

Iron pouring isn't just a matter of throwing some radiators into a pot and ladling them into the molds when they've melted. Iron cannot reach its 2,800-degree melting point in an open furnace. Instead, Potratz's group uses a closed furnace, or cupola, made of steel housing, lined with refractory (nonburning) cement or clay. Into the cupola go "charges": iron; coke, which serves as fuel; copper; limestone; and a few other ingredients necessary for good pourable metal.

The cupola looks like a big barrel with a smokestack. Every year it gets a new paint job; this year it is red, black, white, and blue, garnished with graceful "sweat drops" in honor of the Sweat 16 theme. The cupola method of melting iron used at the iron pour was developed more than 2,000 years ago in China. The University group uses gas to light the coke, then continually adds forced air to keep the fire hot. The Chinese ingeniously rigged a bellows so that it would blow in air whether the bellows moved in or out, says John Poole, a teaching assistant for the foundry.

Iron-pour blood is what they say infects Wayne Potratz's students after they attend their first pour, where iron is heated to 2,800 degrees in an open furnace, then poured from ladles to molds. Students have been returning for sixteen years.

"Sometimes people put special pieces, say sculptures or trinkets, on the cupola as an offering to the cupola god," Poole says. "This is supposed to make it run better. If it does, then for days afterward they'll put more stuff on it to reward the cupola for a job well done."

Whether by science or sorcery, the coke in the cupola melts the iron, which collects in the bottom well. When the liquid metal rises to the level of an opening called the slag hole, it is ready for pouring. Then Potratz sounds an air horn to summon a team of pourers, who drain up to 300 pounds of iron through the tap hole into a big ladle. Hanging from a traveling crane, the ladle can be steered around to several of the bigger, sand-buried molds, which are strategically placed within reach of the crane. A smaller ladle, holding up to 150 pounds, is filled from the big one, then carried around the room by its shank, two long handles that extend from the metal "collar" encircling the ladle's rim.

Each time the horn sounds, a team swings into action, collecting the liquid metal onto the ladles and starting its rounds. Each team is led by a captain, who decides which molds are to be poured when and shouts orders as the team moves from mold to mold.

Four people are needed to lift the small ladle and do the pouring; a fifth team member removes slag—impurities floating on the pool of iron—from the lip of the ladle. At times the iron splashes a little, and a team member quickly shovels sand onto the spill. An occasional big splash sends liquid fire raining down on the whole sandpile housing the mold.

"It's going well," Potratz says in the midst of the action. "We run through the whole thing beforehand. This year we have about twelve visiting artist/experts and eight teams." The teams include four from the University, one from Southwest State University in Marshall, Minnesota, one from Lamar University in Beaumont, Texas, and two made up of people from an assortment of eastern states.

Wendy Ernst, an art student and veteran of several pours, takes time between her dusty duties to describe the exhilaration of working close to danger. It's the camaraderie and her fascination with metal and its versatile uses that draw her to the pour, she says. "Metal gives you a kind of high when you're pouring. You place your life in the hands of others. You can get carbon monoxide poisoning on the charging platform near the top of the furnace. That's why teams feeding charges switch every fifteen minutes."

Many of the molds spread out on the floor of the annex are not meant to be

whole sculptures. "Most visitors just cast sections of a complete work," says Doug Calisch, who comes from Wabash College in Indiana for the pour. "It's like the engine block of a car—we cast components."

Calisch stands next to his friend Chris Dashke, with whom he shared a studio while the two were in graduate school at the University. Thomas Gipe of Southern Illinois University, Dashke's undergraduate sculpture teacher, also is there. The whole group of visiting artists, in fact, seems interrelated. Dashke, echoing Ernst, says that it is the camaraderie that draws everybody back year after year.

The youngest artist at the pour is Boe Malo, 11, a blond and friendly boy from Marshall, Minnesota. Boe's sculpture is of "a strange motorcycle," which he carved from styrofoam. "The styrofoam is surrounded with loose silica sand, then the styrofoam is replaced by iron when it's poured," he explains. "This is my first piece poured with iron. It's fun."

At any iron pour it is easy to tell the artists from the general spectators. Anyone in shorts or sandals is certainly a spectator, while the pourers all wear some variation of the "uniform": a face shield of plastic or metal screen, leather apron and leggings, leather spats, and protective gloves. The heavy clothes come in handy whenever the iron spills or splashes. So far, no one has been seriously hurt at a University pour; the only accidents have been minor burns.

Meredith "Butch" Jack is one of the most experienced veterans at the pour. His roots at the University go back a long way, starting with his mother, a 1923 graduate. Jack taught at the Morris campus from 1972 to 1976, during which time he met Potratz and the two formed their durable working relationship. He never misses a pour if he can help it.

"There's a quality of friendship here—it's like we saw each other yesterday," Jack says. "Sculpture is unique in art work because cooperation is necessary."

The pour is an all-day event, beginning this year at about 9 a.m., when the cupola is fired up. The cupola is first tapped about noon, with successive taps approximately every twenty minutes. The pouring continues until 3:30 p.m. when the horn sounds, signalling the end of the iron pour until next May. This year is a bumper year for iron sculpture; about 100 molds have been poured.

The best part of any pour comes now, when it's all over and the participants can look back on their hard labor with a sense of satisfaction. This year almost all the pieces turned out well. The few miscasts were mostly styrofoam pieces.

In the grass behind the annex, artists pound their cooled molds, splitting them away from the iron, and examine the newly cast pieces. All kinds of figures emerge from the molds: a dagger, a hand, a rose, a sundial, and a dragon with arched neck and tail. One young artist pulls out his piece, a cartoon sculpture of an Indian on horseback, only to have one of the horse's front legs break off—an accident that may have been caused by opening the mold before it was completely cooled.

Even though this pour has just ended, Potratz is already planning his next event, a national conference for cast-iron art, or an international one, provided that some of the people he has invited can make it.

Potratz's pour hasn't lasted a thousand years yet, but it already has tradition status at the University. Each pour has all the earmarks of a lasting ritual, including danger, artistry, and the passing of knowledge to the next generation of devotees. What makes it all work, though, is what happens not on the floor of the foundry annex but inside the individual pourers.

Once they've tasted the excitement of casting, they are sure to have iron-pour blood for the rest of their lives.

Deane Morrison is a University Relations writer.

Mentoring Relations

BY CAROLINE ANDERSON

Mary Sheehy had a lot of questions. The journalism junior wanted advice on starting a public relations career, and like many other students, she was curious about the "real world." She also worried about finding a job after graduation.

From his vantage point in the Hennepin County public affairs department, Fred Johnson, '58, '77, knew the answers to some of Sheehy's questions. He introduced her to others in his office, where she observed the process of public relations—writing, graphics, layout. At the same time, Sheehy provided Johnson with a link to the University and the journalism school, updating him on academic life.

The Journalism Alumni Society paired Mary Sheehy and Fred Johnson, along with 70 other students and professionals, in its mentoring program last year. During winter quarter (the only quarter the program is offered), the pairs met over a meal or at the office to talk about their professions, school, and the workplace. Sometimes the discussions delved into the nitty-gritty aspects of the work world; other times talk dealt with ethical issues.

The journalism mentoring program is one of four Minnesota Alumni Association-sponsored mentoring programs. The others are supported by the veterinary medicine, education, and the black alumni constituent societies. The journalism program is modelled after the University's Student Leadership Development Program (SLDP), which matches students and community leaders. Carol Pine, last year's Journalism Alumni Society president, participated in that program. After consulting with Brenda Tracy, who coordinated SLDP, Pine and members of the journalism alumni group launched a pilot mentoring program in 1983.

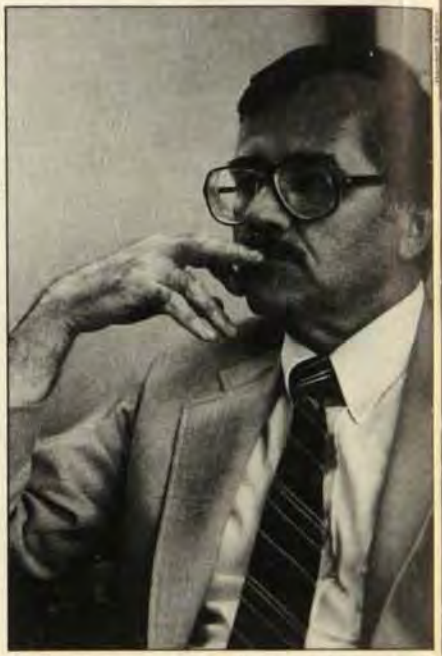
"The alumni society was looking for a way to support the school," says Pine. "We can give financial support, but this is, more importantly, a personal investment of time and energy."

The investment seems to be paying off. One sign of the program's popularity is the number of mentors who return to participate each year. And although the program has a natural appeal for journalism alumni, it also draws many professionals who did not attend the University.

"I think we've been so fortunate in the mentors we've had," says Judy Zerby, cochair of this year's program. "They've been so good, so willing to open up and talk about their failures and successes."

Randall Eaton

"It seems like he gave so much time," says student and journalism mentoring program participant Mary Sheehy of her mentor, Fred Johnson, who offered career advice, friendship, and a look at the professional world of public relations.



"I think it's a two-way street," says Fred Johnson, '58, '77, assistant director of public affairs for Hennepin County, who was Sheehy's mentor. "I hope there's some value for the student, because I know it's of value to me."

Such willingness goes a long way in building a mentoring relationship, according to Tracy, who has consulted with other mentoring programs on campus. "The mentoring concept is built on a one-to-one relationship," she says. "It's an equal one, not one up or one down."

Mary Sheehy found an interested partner in Fred Johnson. During their weekly meetings in his office, they talked not only about his work in public relations but also about her classes and projects. Johnson encouraged Sheehy to get more writing experience and offered advice on classes she might take.

"It seemed like he gave so much time," Sheehy says. "But he always said he enjoyed it." Although the program officially ends after each winter quarter, the mentoring pairs can opt to continue, as Sheehy and Johnson decided to do.

"I think it's a two-way street," Johnson says of the mentoring relationship. "I hope there's some value for the student, because I know it's of value for me. I enjoy it."

The arrangement has much to offer students and professionals alike. Like Sheehy, many students crave an inside look at the "real world" they can't learn about in a classroom. Ted Davis, a senior studying public relations, describes his experience in the mentoring program as "an interface, a way to get out of school and get a little 'dirty.' "

Sometimes the mentoring relationship prods the student into action. After program cochair Zerby encouraged student Lee Anne Engfer to get more experience, the news-editorial senior sought—and got—a writing internship. "I do think that having someone who was older than I and who'd been through the journalism program forced me to have more specific goals," Engfer says.

The skills that students gain from the program are not all career-related, says Tracy. "They learn some personal life skills that they're going to use again and again." The experience can also build confidence in both parties, she adds. People like to be recognized for what they've accomplished, and everyone wants to feel that they have something special to offer.

Mentor Jan Apple feels that by helping a younger person interested in advertising she repays what others did for her. Apple, a three-year mentoring veteran, also believes the program is a way of giving

back to her profession. "It's a way of seeing your own profession through wide eyes, and that's refreshing. It feels good to realize how far you've come."

Carol Pine likens this payback to the tithing process. "For those of us who got our education here and stayed, there's a very strong ethic that you give back to the community that gave you a start."

Being paired with a student offers recent and not-so-recent graduates a chance to catch up with the University as well. "For the alums, it brings us back to the school in a very personal way," Pine says. "It also gives us a window on what life in Murphy Hall is like, which we'd have no concept of otherwise."

The one-to-one contact between mentor and student also reestablishes the value of the individual in a university and community sometimes criticized for being impersonal. Like all relationships, each mentoring experience is unique and dependent on the people involved. Some relationships are highly personal; others are more professional.

Students applying to the mentor program are matched as closely as possible with a mentor having similar interests and goals. The program is limited only by the number and interests of the participating mentors.

The key to a successful mentoring relationship is honesty, says Tracy. "The relationships that don't work are the ones in which people aren't talking to each other. It's so rewarding when it works, and nine times out of ten it does."

The Journalism Alumni Society spent this year fine-tuning the mentoring program rather than expanding it, and the effort shows. A questionnaire passed out after the quarter's end asked participants to grade the program. Last year's program received generally high marks plus a few C's, but the lowest grade so far this year has been a B, with several A's.

One reason for the higher rating was more careful matching, according to cochair Zerby. Another improvement was the addition of a closing reception held in March at Eastcliff, attended by President Kenneth H. Keller and College of Liberal Arts Dean Fred Lukermann, who both paid tribute to the mentoring program.

Another testimony to the program's effectiveness comes from students themselves. Ted Davis, for one, is already planning to become a mentor when he enters the profession.

For more information about the Minnesota Alumni Association-sponsored journalism, education, veterinary medicine, and black alumni constituent society mentoring programs, call 373-2466.

Caroline Anderson, '85, a writer at Pine and Mundale, participated in the journalism mentoring program in 1984.

INTERNATIONAL TOURS

Prices are based on double occupancy and are approximate until tour brochures are printed. For more information about any of our international tours, write to: Travel Director, Minnesota Alumni Association, 100 Morrill Hall, 100 Church Street SE, Minneapolis MN 55455.

PROJECT ANTARCTICA. January 4-18. On this luxury cruise to the last, most glorious frontier on earth, observe whales, seals, giant albatross, cormorants, and rookeries of squawking, waddling, remarkably social penguins. Splendid beyond description, compellingly beautiful. The cruise: $3,990-$9,625.

Palace of the Popes, Avignon, France

CRUISING THE GRENADINES AND ORINOCO RIVER. February 9-16. Cruise through 180 miles of jungle along the Orinoco River, visit the tiny Grenadines, and call on the sophisticated French island, Martinique. $1,095-$1,850, from Barbados.

PASSAGE OF THE MAYAS. March 1-9. This program focuses on the history and cultural impact of the Mayan civilization and features Merida and Cancun. Includes all sightseeing of Mayan archaeological sites on Mexico's Yucatan Peninsula. $1,850, from Chicago.

COTES DU RHONE PASSAGE. August 11-24. Travel from Paris to Lyon by the TGV high-speed train, then spend seven days on the scenic Rhone River. Dine at the restaurant of renowned chef Paul Bocuse. Trip concludes in Cannes, the sparkling jewel of the Cote d'Azur. $2,795, from Chicago.

PASSAGE OF THE MOORS. September 12-26. Follow the path of the Moorish Caliphs from Morocco to Spain, and discover the cultural riches developed over 700 years along this passage. Starts in Rabat, concludes in Madrid. $2,575, from Chicago.

YULETIDE PASSAGE. December 18-January 2. Spend the holidays in Germany and Austria, the land of Christmas traditions. Tour begins in Munich, the "Happy Heart" of Bavaria, and ends with a magnificent New Year's Eve gala in Vienna. Visit Salzburg and Graz, and the "Christkindl Market" in Nuremberg.

ADVENTURE TRAVEL

Minnesota Alumni Association (MAA) members can travel with ECHO: The Wilderness Company on any of the trips listed below at a 10 percent discount; groups of ten or more receive an additional 5 percent discount. Prices listed are approximate projections for 1986; ask about youth rates. Proof of MAA membership is required to qualify for these discounts. Direct all inquiries to: ECHO: The Wilderness Company, 6259 Telegraph Avenue, Oakland CA 94609. 415-642-1600.

IDAHO

The Main Salmon. Some come to the Main Salmon River for the adventure; others come simply for the beauty. Whatever your reason, it will be an experience to treasure. $748. MAA members: $673.

Middle Fork. The classic mountain whitewater run in America. Big rapids, sheer walls, hot springs, and crystal-clear water. $829. MAA members: $746.

Granada-Alhambra, Spain

Snake/Hell's Canyon. A dramatic experience. The side hikes here are the best in Idaho; the wildlife is varied and abundant. $526. MAA members: $473.

Snake/Birds of Prey. Entirely without whitewater, this trip features the highest density of nesting raptors in North America. $545. MAA members: $490.

Chichen Itza, Mexico

OREGON

Rogue. The rapids, the charm of the canyon, and the long warm days bring people back again and again. Three-, four-, and five-day trips: $309, $397, $476. MAA members: $278, $357, $428.

CALIFORNIA

American. An old favorite. Plenty of whitewater action for beginner and veteran alike. One- and two-day trips: $66, $144. MAA members: $60, $130.

American North Fork. A superb one-day trip near Auburn, California. A narrow, fast river with exceptional rapids. $82. MAA members: $74.

California Salmon. A very classy river. Cold, clear, fast, and surrounded by steep canyon walls of evergreens. Two- and three-day trips: $218, $311. MAA members: $196, $280.

Merced. Whitewater is the name of the game. A great trip to combine with a vacation in Yosemite or a tour of the Gold Country. One- and two-day trips: $91, $182. MAA members: $82, $163.

Tuolumne. Mile for mile, no river in America can claim better rapids or a better river experience than the Tuolumne. Even its lesser rapids would be major challenges on most rivers. One-, two-, and three-day trips: $103 to $342. MAA members: $93 to $308.

SPECIAL EVENTS

Leadership Day Planned for September 28

Minnesota Alumni Association leaders will be honored during Leadership Day, Saturday, September 28, at the Radisson University Hotel, 615 Washington Avenue SE in Minneapolis.

The conference, scheduled to begin at noon, will open with addresses by Executive Director Margaret Sughrue Carlson and Alumni Association President Penny Winton. Volunteer of the Year awards will be presented to this year's cowinners, band alumni John Brant and Priscilla Nauer; the Alumni Service Award will be given to past president John Mooty. Honor chapters, the best overall constituent society, the constituent society with the most-improved membership, and the best single constituent society program will also be recognized.

During the afternoon, constituent society presidents will meet with college and school deans to discuss the effects on their college or school of President Kenneth H. Keller's plan to refocus the University. Other sessions include programs on endowed chairs, volunteer motivation, and polling and public policy.

During a break in the program, alumni will be able to meet board members of the University Student Alumni Association and to visit displays and information booths featuring program ideas, projects, and legislative information. A session on University indicators of pride will conclude the program.

A unique feature of the program this year is that all sessions will be led by alumni volunteers.

Following the conference, alumni volunteers are invited to attend the Gopher football game against Oklahoma at the Hubert H. Humphrey Metrodome.

Invitations to Leadership Day will be mailed in September. More than 200 chapter leaders, constituent society and association board members, Presidential Network members, deans, and regents are expected to attend.

Gopher Football

The following is a tentative Gopher football schedule of televised games. The dates are firm, but the times may fluctuate.

Ohio State at Minnesota, 7 p.m., September 26; Oklahoma at Minnesota, 7 p.m., September 28; Purdue at Minnesota, 7 p.m., October 5; Northwestern at Northwestern, 11:30 a.m., October 12; Ohio State at Minnesota, time unknown, October 26; Michigan at Minnesota, 11:30 a.m., November 1; Iowa at Iowa, 11:30 a.m., November 23.

Home games are played at the Hubert H. Humphrey Metrodome, Minneapolis.

Homecoming Events

Homecoming at the University this year begins Friday, October 25, with a Homecoming pep rally at 8 p.m., followed by a bonfire and sound-and-light show at 9. Both events will be held at Sanford Hall Athletic Field.

Homecoming day, Saturday, October 26, begins early, with the Homecoming 5K Race starting at 9 a.m. An Alumni Association-sponsored pancake breakfast will be served in the Great Hall at Coffman Memorial Union or Williams Arena from 7:30 to 10. The Homecoming Parade begins at 10, and at noon a pep fest will be held on Northrop Mall. The football game against Ohio State begins at 7 p.m. at the Hubert H. Humphrey Metrodome in downtown Minneapolis.

Other campus activities coinciding with homecoming include; the 100-year rededication of Eddy Hall, Dinkytown centennial, an informal Presidents Club dinner, and reunions for the School of Management and Institute of Technology.

Pictures of Success

Collectively, alumni of the School of Journalism and Mass Communication's visual communication program have produced an impressive portfolio of works that have appeared in *Life*, *Newsweek*, *National Geographic*, the *Washington Post*, and other prestigious periodicals and newspapers.

October 6 through December 9 at the University Art Museum in Northrop Auditorium, the program will celebrate its 25th anniversary with an exhibition of some of the impressive works by outstanding alumni. The exhibition is jointly sponsored by the University Art Museum and the Minnesota Journalism Center.

Thirty-three photographers and filmmakers and a graphic designer are participating in the exhibition, which includes more than 100 images and video tapes. Featured works include photographs of cowboys from *A Vanishing Breed* by William Allard, scenes of riots and protest by Ray Lustig; a portrait of Mother Teresa and scenes of India by Kent Kobersteen, and artist portraits by Judy Olausen.

CONSTITUENT SOCIETY EVENTS

SEPTEMBER

5 **IT Executive Committee Meeting**
6:30 p.m., Normandy Inn, 405 S. 8th St., Minneapolis.

13 **Forestry Board Meeting**
4 p.m., Room 225, Kaufert Lab, St. Paul campus.

19 **Alumnae Board Meeting**
6 p.m., Decathlon Athletic Club, 7800 Cedar Ave. S., Bloomington, Minnesota.
Home Economics Board Meeting
7 p.m., 22 McNeal Hall, St. Paul campus.

20 **Dentistry Board Meeting**
10 a.m., 15-250 Moos Tower, Minneapolis campus.

24 **IT Board Meeting**
6:30 p.m., Normandy Inn, 405 S. 8th St., Minneapolis.

25 **Public Health Board Meeting**
4-6 p.m., Room 606, Campus Club, Coffman Memorial Union, Minneapolis campus.

28 **Ag Fest '85**
Tour of the Borlaug Building, displays by College of Agriculture departments, dinner and program. Football game against Oklahoma. Registration begins at 2 p.m., Earle Brown Center, St. Paul campus.

OCTOBER

3 **Education Alumni Society Student Reception**
3-5:30 p.m., Burton Hall Atrium, Minneapolis campus.

4-6 **College of Biological Sciences Itasca Weekend**
Field trips, family programs, and activities. For reservations, write: College of Biological Sciences, 123 Snyder Hall, 1475 Gortner Ave., St. Paul MN 55108. Costs vary according to accommodation packages requested.

15 **IT Executive Committee Meeting**
Normandy Inn, 405 S. 8th St., Minneapolis.

25 **IT Science and Technology Day**
Program speaker: Gifford Pinchot III, on "Intrapreneurship." 6-10:30 p.m., Radisson Hotel South, 7800 Normandale Blvd., Minneapolis. Cost: $25 per person.

26 **Black Alumni Homecoming Event**
Call for details, 612-373-2466.

28-29 **Industrial Relations Institute 40th Anniversary**
Minneapolis Plaza Hotel, 315 Nicollet Ave., Minneapolis.

29 **Mortuary Science Alumni Reunion**
4-6 p.m., Amfac Hotel, 30 S. 7th St., Minneapolis.

NOVEMBER

1 **Inauguration of University President Kenneth H. Keller**

8 **Travel Reunion Party**
5-7 p.m., Alumni Club, 50th Floor, IDS Tower, Minneapolis.

13 **Medical Technology Fall Program**
"The Future for Medical Technologists," workshop and discussion. 5-9 p.m., Campus Club, Coffman Memorial Union, Minneapolis campus.

14 **Alumnae Theater Benefit**
Molly Bailey's Traveling Circus. Rarig Theatre, Minneapolis campus.

15 **Dentistry Alumni Day and Annual Meeting**
All-day event. Mayo Auditorium, Minneapolis campus.

CHAPTER EVENTS

OCTOBER

6 **Boston Chapter Winery/Picnic Outing**
12:30-4:30 p.m., Nashoba Valley Winery, Boston. Reservation deadline: October 4. Contact Jessie Hansen, chapter president, 617-449-2052, or Bob Fagone, 617-485-4900.

12 **Chicago Chapter Minnesota-Northwestern Pregame Party**
Speakers include University President Kenneth H. Keller, MAA Executive Director Margaret Sughrue Carlson, MAA President Penny Winton. Contact Jeffrey Schmitz, chapter president, 312-447-0773 or 312-984-3974.

16 **New York Alumni Chapter President's Reception**
Program speakers include University President Kenneth H. Keller and MAA Executive Director Margaret Sughrue Carlson. Contact Robert Thorson, 212-754-1040.

17 **Suncoast Chapter Dinner and Program**
Contact Donald K. Enzmann, Tampa-St. Petersburg chapter president, 813-736-6381.

29 **Washington, D.C., Chapter President's Reception**
Program speakers include University President Kenneth H. Keller and MAA Executive Director Margaret Sughrue Carlson. Contact Deanna Peterson, chapter president, 202-544-5864 or 202-296-0360.

NOVEMBER

14 **Fairmont/Martin County Chapter Dinner and Program**
Program speakers include Dr. James Connolly and MAA Executive Director Margaret Sughrue Carlson. Contact June or Dick Bowdin, 507-235-5123.

23 **Iowa/Minnesota Football Game Pregame Party**
Holiday Inn, Iowa City. Contact MAA chapter program director, 612-373-2466.

DECEMBER

7 **Suncoast Chapter Christmas Party**
Contact Donald K. Enzmann, 813-736-6381.

Troubled Woods

BY JON LUOMA

In 1980 I rode in a four-wheel-drive truck with New York state forest ranger Bill Marleau up a rugged, two-rut mountain road to Woods Lake, in the western Adirondack Mountains. Marleau, who owned the only cabin on the remote alpine lake, wanted to show me what an acidified aquatic ecosystem looked like. Woods Lake was one of more than 200 Adirondack lakes that had been destroyed by acid rain.

Once, Marleau had gently cast out a fly-line for fat brook trout in the lake. Now it was a mild acid bath, devoid of trout and most of the aquatic species—plant and animal—that had thrived there. Neither of us knew it at the time, but there was another acid rain problem there, too. Acid rain posed a threat to the trees in the forest around the lake as well.

The term *acid rain* is something of a convenient nickname. Scientists prefer the term *acid deposition* since acid can come to earth in the form of rain, snow, sleet, fog—even as dry particles. The acids are formed by a complex series of atmospheric reactions from two groups of pollutant gases, sulfur dioxide and nitrogen oxides. Sulfur dioxide is emitted by industrial plants, refineries, and, particularly, coal-burning electrical power plants. Automobiles are major sources of nitrogen oxides, although many of the same industrial emitters are culpable here as well.

In the 1950s, a young Canadian scientist named Eville Gorham, who was conducting research on the relationships between the chemistry of rainwater and the chemistry of water in peat bogs in England's Lake District, incidentally discovered that weather systems moving over the region from heavily industrialized areas carried rain with high acidity. Gorham, now a Regents' Professor of Ecology at the University of Minnesota, subsequently described the acid rain phenomenon in a series of research papers. Yet the peculiar, esoteric issue of acids in the rains gained little attention among researchers until the late 1960s, when Swedish scientists began reporting the biological destruction of hundreds of lakes.

(Gorham, regarded as the "father of acid rain research," says that his original paper "went over with a dull thud." He later learned that the phenomenon actually had been recorded and described as acid rain in 1872 by a Briton named Robert Angus Smith, whose report apparently went over with an even duller thud, for it went almost completely unnoticed.)

Acid rain poses a threat to trees, as well as lakes, with forest dieback documented throughout the world.

It wasn't until the late 1970s that the issue gained widespread public attention in the United States, and even then it was an issue that focused on lakes and rivers. There was little evidence that acid deposition was substantially harming forests.

More recently, however, a startling picture has begun to emerge, especially in central Europe. Today, in West Germany, East Germany, and Czechoslovakia, hundreds of thousands of acres of forests are in advanced stages of decline. Conifers such as fir, pine, and spruce appear to be especially susceptible. In West Germany alone, scientists have estimated that at least 30 percent of all forest areas are already damaged; that is, trees are dead or severely stressed.

North American forests have not suffered such wholesale destruction, but in the Appalachians of Virginia and West Virginia, the Green Mountains of Vermont, and the White Mountains of New Hampshire, scientists have documented forest "dieback," especially among red spruce trees on the highest forested mountain peaks. These peaks tend to be bathed not only by rain but also directly by polluted cloud moisture. In some of these areas, acid deposition tends to be three to four times higher than in the forests farther down the same mountains.

Some of the most detailed research in North America has come from Camels Hump, a peak in the Green Mountains. By a stroke of good fortune, researchers from the University of Vermont began surveying the densely forested mountaintop in 1965. By the time of a 1979 follow-up study, fully half of the mountain's red spruce had been killed.

Hubert Vogelmann, chair of the biology department at the University of Vermont, described a 1965 visit to the peak of Camels Hump in these terms: "The trees were luxuriant, the forest was fragrant, and a walk among the conifers . . . gave one the sense of entering a primeval forest."

"But you wouldn't believe it today," he says. "The forest is collapsing. It looks like somebody dropped a bomb up there."

In May this year, more than 200 scientists from the United States and Europe assembled at the University of Minnesota for a three-day symposium on the effects of air pollutants on forest ecosystems.

One of the most significant concepts that emerged from the symposium is that acid rain appears to be only one key player in a forest's decline: it is part of a double or triple or quadruple whammy that is hitting forests. "Total air pollutants" was the buzzword, for scientists now suspect that acid deposition is not singly responsible but attacks trees in concert with other air pollutants.

Ozone in particular appears to be a sort of dastardly partner of acid deposition. Ozone is a pollutant formed in the

atmosphere by a complex set of reactions involving sunlight and two groups of human-made pollutants, hydrocarbons and (once again) nitrogen oxides. Further, there is evidence that direct fumigation of the trees by gaseous sulfur dioxide and nitrogen oxides is making the problem worse. Theories also suggest that acids pouring into forest soils are liberating infinitesimal but nevertheless toxic traces of heavy metals, such as aluminum, which normally remain harmlessly bound to other molecules in the soil. These trace metals, though, then attack the trees' root systems, interfering with the normal uptake of water.

Trees thus affected typically die from the crown down and on the tips of branches—"canopy ghosting," as some scientists call it. Needles turn yellow, branches droop, and, by all appearances, the trees themselves die of thirst. But the most extensive damage can be seen only with a shovel: damaged trees have often lost most of their fine root-hairs.

How can anyone be certain that acid rain is a primary cause of the problem? No one can. But there is strong circumstantial evidence. For example, West German scientists note that damage is greatest on wet western mountain slopes where, because of the dynamics of rising and cooling western air masses, more rain and fog come to earth.

Why is damage more extensive in Europe than in the United States? Again, no one can be sure, although one probable explanation is that Europe has had a longer history of high levels of acid deposition—a longer time for soil and trees to react to accumulating pollutants.

For North America, determining the extent of acid rain, or total air pollutant, damage to forests is a question with a fundamentally uncertain answer. So far, damage has generally been limited to remote, mountaintop forests. For those who hold dearly to basic environmental values, mountaintop forests have great value simply because they are unique living communities that represent the diversity of life on earth. And although the red-spruce communities have limited economic value, even the most coolly calculating must be impressed by the magnitude of economic disruption that could come if the forest decline begins to move down the mountain, as it has in much of Europe.

As Vermont biologist Vogelmann has pointed out, "If such losses in only a few years are representative of the general decline in forest production, the economic consequences for the lumber industry will be staggering."

Jon Luoma is the author of Troubled Skies, Troubled Water: The Story of Acid Rain, *published by Viking Press.*

A Voice for Alumni

Kris Zimmermann

Kris Zimmermann is director of marketing research for Land O'Lakes and president of KAM Inc. A graduate of the College of St. Catherine, she has served on the association's communications committee since its inception in early 1984.

The Alumni Association has just embarked on a program of alumni polling, part of a nationally innovative public affairs direction the association is taking, designed to give alumni a greater voice in University governance. It's an exciting, perhaps overdue development.

The first poll addressed University policy on investment in U.S. companies doing business in South Africa. Results of the poll were presented to the regents at their June meeting, where the issue was hotly debated. You can judge the results for yourself on page 93 of this issue.

As a marketing researcher and as a member of the volunteer/staff team that developed the first poll, I'd like to outline what made the first poll successful and, in doing so, review some fundamental principles of research and discuss the nature and limitations of polling.

Results of the South Africa poll aside, conducting an alumni poll at all was a milestone for the association and all University alumni. For the first time, on a timely issue of great importance to the governance of the University, the association could report not guesswork but objective measures of alumni opinion. And this sampling of alumni opinion was presented not informally "through channels," but by invitation, at a public meeting of the regents.

One reason why this first poll was successful is that the association board was committed to report the results, whatever they were and whatever individual board members felt about them. In fact, time was scheduled on the regents' agenda before the poll was even completed. These decisions illustrate the first principle of a good research program: be committed to reporting results objectively. Even if poll results are contrary to an individual's point of view, or that of a board of directors, or even of the institution's administration, research will never be credible if opinion is not reported as it was measured. This principle, more than any other, was essential to the success of the first alumni poll and it will be crucial to maintain it in the future.

A second principle is: be open and prepared to accept research results. Doing this is sometimes quite difficult and involves accepting a related principle: in the world of marketing research, perception is reality. Many of you in business will recognize this as the research equivalent of "the customer is always right." Perception becomes reality because people base their actions on their perceptions. You and I may know that X costs more than Y, but if our customers *think* Y costs more than X, they may just buy more X.

An open attitude and understanding that perceptions—even incorrect perceptions—can influence behavior and attitudes are important to understanding surprises in research results. For example, it may seem surprising to many at the University, where debate on South Africa investments is commonplace, that many people responding to the alumni poll were not familiar with the Sullivan Principles. (These principles, named after Rev. Leon Sullivan of Philadelphia, guide corporations toward equal treatment and opportunity for blacks in the South African operations of American-based corporations.) Regardless of how well understood these principles are at the University, alumni, who don't live in the campus environment of a university, aren't as familiar with them, or aren't willing to claim that they are.

Once you are prepared to believe research results, a fourth principle comes into play: be equally open to criticism and analysis of the research. Inevitably, marketing research raises new criticisms of the methods of inquiry; the results themselves illuminate nuances in the questions that couldn't be anticipated. By accepting such analysis of its own poll results, the Alumni Association can strengthen its research program. This process can lead to new approaches, new understandings, and unexpected views of the information at hand.

Another principle of effective polling is understanding that any poll or research project has limitations. Marketing research uses many methods, each with its own technical limitations. As a rule, the more statistically accurate the poll, the more costly the research. For example, to find out qualitative in-depth information to fine-tune its membership programs and services, the Alumni Association has used focus groups of six to eight alumni, who are asked to give their opinions on a number of association programs and goals. This research is inexpensive to do, yet rich in the information it yields.

Focus-group findings, however, are not as statistically representative and projectable as the results of the South Africa poll. In the poll, we randomly selected a sample of the entire alumni body, representative by sex, age, and geographic distribution. Our margin of error was plus or minus 5 percent, with a confidence level of 90 percent. Doubling the size of the sample from 300 to 600 people would have raised the confidence level to 95 percent—and doubled the price tag. Even more reliable polling methods exist, such as some door-to-door projects, but they are rare (their cost tells you why). Organizations do use them, however, if the decision that hangs on them is important enough.

And that brings us to the last principle of sound marketing research: good research programs track changing attitudes. People's perceptions change, and if research is to continue to serve the association, alumni, and the University, opinions and attitudes, especially on important issues, must be measured accurately and on a continuing basis. This means following up previous polls to see if alumni have changed their minds and evaluating whether association programs have responded to alumni interests.

Research is a big investment that can pay big dividends, if we use it effectively. As we begin to poll alumni and as alumni realize that the association is actively representing them, championing their views on important matters, alumni will perceive the association as a meaningful vehicle for their involvement with the University. In business marketing terms, the association, by listening and responding to its customers, will profit, and so, too, will the University.

Divestiture

Polling methods

To determine alumni opinions about University investment policy on U.S. companies operating in South Africa, the Minnesota Alumni Association conducted a telephone survey, the first in a series designed to give alumni a voice in the process of University governance and to provide regents with information for making University policy.

Conducted for the Alumni Association June 4, 5, and 6 by N. K. Friedrichs and Associates, an independent research firm, the poll surveyed a randomly chosen sample of 300 alumni from all campuses of the University. Results for all of the survey items appear below.

Results

Alumni of the University of Minnesota, by a significant margin, oppose attempts by the University to influence the business decisions of U.S. companies operating in South Africa. Nevertheless, given a specific means of influencing corporate policies, alumni are willing to have the University vote its shares.

On the immediate issue of whether the University should divest itself of stock holdings in U.S. companies operating in South Africa, alumni opinion is unequivocally opposed.

Alumni opinion, however, shows a further willingness on the part of alumni to have University investment policy influence corporate practices in South Africa. By a significant margin, alumni oppose the University's buying additional stock of U.S. companies operating in South Africa.

A position taken by many people committed to influencing social change in South Africa has been to limit investments to companies that abide by the Sullivan Principles. Alumni response to this policy option is inconclusive. Most alumni are not sure what the Sullivan Principles are. Among those who had an opinion on this option, there was a slight tendency to agree that investment only in those companies adhering to the Sullivan Principles is a good alternative.

In short, the University of Minnesota alumni polled oppose complete divestiture but favor other specific steps to have the University influence the role of U.S. corporations doing business in South Africa.

Yes
No
Not sure

Should the University attempt to influence business practices of U.S. companies operating in South Africa?

35%
52%
13%

Should the University use its shareholder voting power to influence corporate decisions about South Africa?

52%
41%
7%

Should the University sell all the stock it owns in any company operating in South Africa?

26%
62%
12%

Should the University decide not to buy any more stock of companies operating in South Africa?

51%
38%
11%

Should the University invest only in those companies operating in South Africa that abide by the Sullivan Principles?

31%
23%
46%

N = 300
Margin of error: ±5%

LETTERS

Sevareid Speaks Up

Vicki Stavig writes in *Minnesota* [May/June 1985] that "Harry Reasoner, '41, and Eric Sevareid, '35, for example, each earn a reported $20,000 for their speaking engagements."

Perhaps I should feel flattered, but never in my life has anyone ever paid me $20,000 to make a speech. I do not know how these stories get started, but they get more dramatic with each succeeding version. Hardly anyone alive is paid that much for a speech, and those who are, receive that much only very rarely. Organizations simply cannot afford such fees, nor should they. If brother Reasoner was ever paid that much I would be surprised, and I would extend my congratulations.

Eric Sevareid, '35
CBS
Washington, D.C.

Fee Speech

Your article "Rites of Fee Speech" (May/June 1985) was interesting, but hardly representative of the professional speaking industry.

Although your readers will be impressed by the extraordinary fees of such speakers as Kissinger, Koppel, Reasoner, and Sevareid, the focus is misleading. Such fees are rare in the speaking business, with fewer than 1 percent of all professional speakers being so rewarded. Moreover, these astronomical fees are based more on each speaker's "celebrity status" than on their presentations, per se.

More to the point, Minnesota is blessed with a large number of gifted speakers (many of whom are alumni of the University of Minnesota) and professional speaking bureaus who were not referenced. The Minnesota chapter of the National Speakers Association, alone, has approximately 100 members who speak professionally throughout the world on numerous topics. These speakers represent a fee range of a few hundred to several thousand dollars. In each case, the speakers' fees are based on a multitude of factors.

In sum, your focus on professional speakers is both interesting and titillating, but your readers deserve more.

Dr. Lyman K. Steil
President, Communication Development
St. Paul

Medical Technologists

We were delighted to see the article [March/April 1985] regarding the medical technology program held last fall. However, in two places in the article we were called technicians—not technologists—a rather sensitive title error, since technicians are graduates of one- and two-year programs. We would appreciate being designated correctly in future articles.

Karen Karni
Acting Director
Division of Medical Technology

Editor's Note: Please accept our apologies.

Campus Conservatives

I enjoyed reading your article about the newest conservatives on the University campus [May/June 1985]. It is encouraging to me that these young people are not ashamed of their beliefs. I remember arguing for conservative ideas with my professors. I only wish I had been stronger.

Hopefully, having a noticeable conservative population on campus will encourage free speech on campus. Or, should I say, protect the rights of students to hear conservative viewpoints by conservative speakers. I was ashamed when I read about the heckling of Jeane J. Kirkpatrick in March 1983 at the University of Minnesota.

On the back cover of your magazine you quote R. M. Hutchins as saying, "The university exists to find and to communicate the truth." University administrators need to remember that truth may not necessarily be what the liberal establishment says it is. In order for students to find the truth, they should be exposed to more than one mode of thought. If this is the reason the university exists, then Mrs. Kirkpatrick should have been allowed to speak freely. After all, Teddy Kennedy speaks without heckling at Liberty University. Is it only the conservative campus that protects the right to free speech?

I challenge the University of Minnesota to practice the ideals they espouse. The heirs of the "free speech movement" need to protect the rights of all, instead of leaving their ideals abandoned when the "truth" that is spoken is not their truth.

Gloria Wheeler
San Diego, California

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